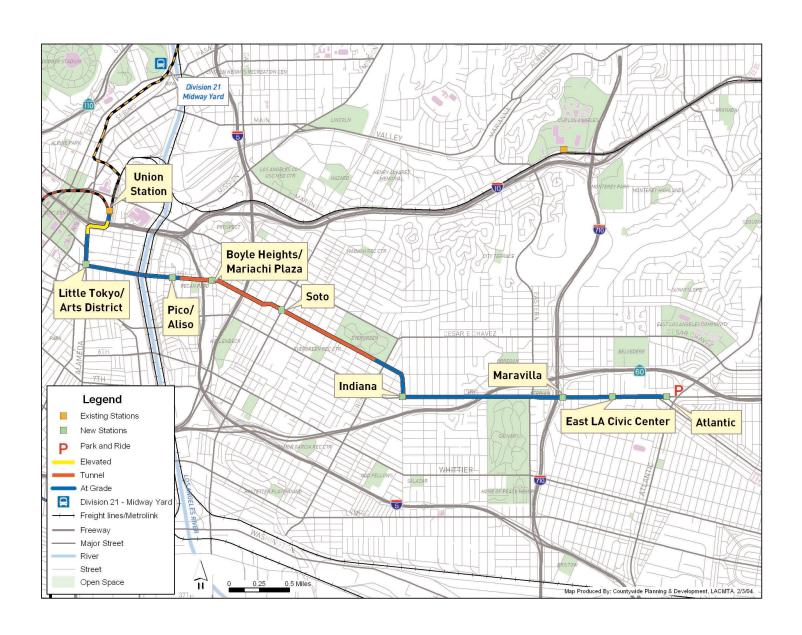
QUARTERLY PROJECT STATUS REPORT

# Metro Gold Line Eastside Extension

### December 2004





# METRO GOLD LINE EASTSIDE EXTENSION

#### QUARTERLY PROJECT STATUS REPORT

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U. S. DEPARTMENT OF TRANSPORTATION, FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND FUNDS FROM THE STATE OF CALIFORNIA.

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#### PROJECT OVERVIEW

The Metro Gold Line Eastside Extension Project is a six-mile, dual track light rail system with eight new stations and one station modification. The system originates at Union Station in downtown Los Angeles, where it connects with the Pasadena Gold Line, traveling generally east to Pomona and Atlantic Boulevards. The system will bridge State Route 101 Freeway and traverse the existing 1<sup>st</sup> Street Bridge over the Los Angeles River. The system will travel south on Alameda Street and then east on 1<sup>st</sup> Street with two stations at Alameda and Utah Streets. East of the Los Angeles River and 1<sup>st</sup> and Utah Streets, the alignment transitions to tunnel for approximately 1.7 miles, and continues beneath 1<sup>st</sup> Street to underground stations at 1<sup>st</sup> Street and Boyle Avenue and 1<sup>st</sup> Street and Soto Street. The alignment returns to the surface near the intersection of 1<sup>st</sup> Street and Lorena Streets, then jogs to the south, transitioning to follow 3<sup>rd</sup> Street with stations at Indiana Street. Ford Boulevard. Mednik Avenue and Pomona and Atlantic Boulevards.

As of the end of this reporting period, the contractor has proceeded with the design basis, alignment design, geotechnical report, schematic design for Boyle and Soto stations, and civil design for segment 7 and retaining wall at East Portal.

Final design of the Boyle Heights/Mariachi Plaza Station is underway. The initial design submittal of the Boyle Heights/Mariachi Plaza Station and the East Portal 85% design submittal are under review.

Safety measures, temporary streetlights and traffic controls were arranged during soldier pile installation at the Boyle Heights/Mariachi Plaza Station. Soldier pile installation at the Boyle Heights/Mariachi Plaza Station is anticipated to complete by the end of February 2005. Permeation grouting at the Boyle site began in December 2004.

Building demolition has been completed at the 1<sup>st</sup> Street/Soto Street area. Wet utility relocations are continuing at the Boyle Heights/Mariachi Plaza Station and the West Portal locations.

All grade crossing applications have been submitted to the California Public Utilities Commission (CPUC) for review. Of the 41 grade crossings, 30 have been approved. Six of the 11 remaining grade crossings are anticipated to be approved by mid-January 2005.

The Caltrans contractor for Contract C0802 – 101 Freeway Bridge Overcrossing has begun site mobilization, site demolition and traffic controls. Pile installation equipment is anticipated to be delivered to the site in January 2005. MTA is coordinating with Caltrans and monitoring their work.

#### **MANAGEMENT ISSUES**

No Management Issues for the period ending December 2004.								

#### **PROJECT SCOPE**

## Contract C0802 – 101 Freeway Bridge Overcrossing: The construction of the bridge is combined with Caltrans freeway

improvements project. While Caltrans will administer the construction, MTA will provide oversight and is responsible for the

construction costs of the bridge overcrossing.

Pico/Aliso

Boyle Heights /

Mariachi Plaza

Soto

Union

Station

Little Tokyo /

**Arts District** 

Contract C0803 - Tunnel and Station Excavation (Design/Bid/Build): Construction of the 1.7 mile tunnel segment includes tunnel excavation using two Earth Pressure Balance Machines (EPBM) type, excavation of cross passages, concreting of the tunnels and cross passages, and the east and west portals construction.

Station excavation of the two underground stations, Boyle Heights/Mariachi Plaza and Soto, include drilling, placing and concreting the soldier piles that line the perimeter of the station box to be excavated. Construction also includes street decking. Boyle Heights/Mariachi Plaza will be the staging area for assembling the TBMs and all excavated materials will be removed from this location.

Maravilla

Atlantic

East LA Civic Center

Contract C0803 - Stations, Trackwork, and Systems (Design/Build): Construction of the two underground stations includes structural walls, station platforms, mezzanines, station entrances, and plazas, architectural finishes and all related mechanical and electrical work.

Construction of the six-mile alignment includes six at-grade stations, trackwork installation and testing for the entire alignment.

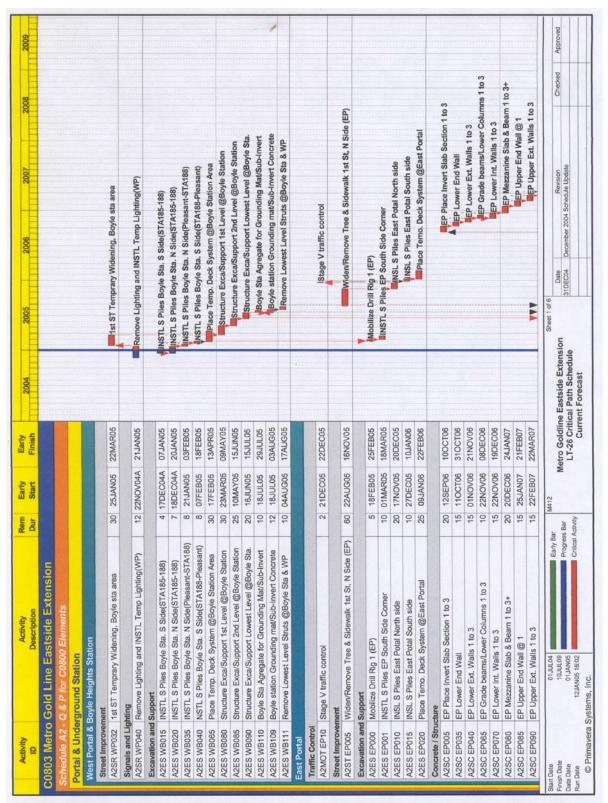
Indiana

Systems installation and testing is inclusive of power systems, automatic train control, fire and emergency management, TRACS and communications systems. The contractor will be responsible for systems integration testing for the entire line segment prior to pre-revenue operations.

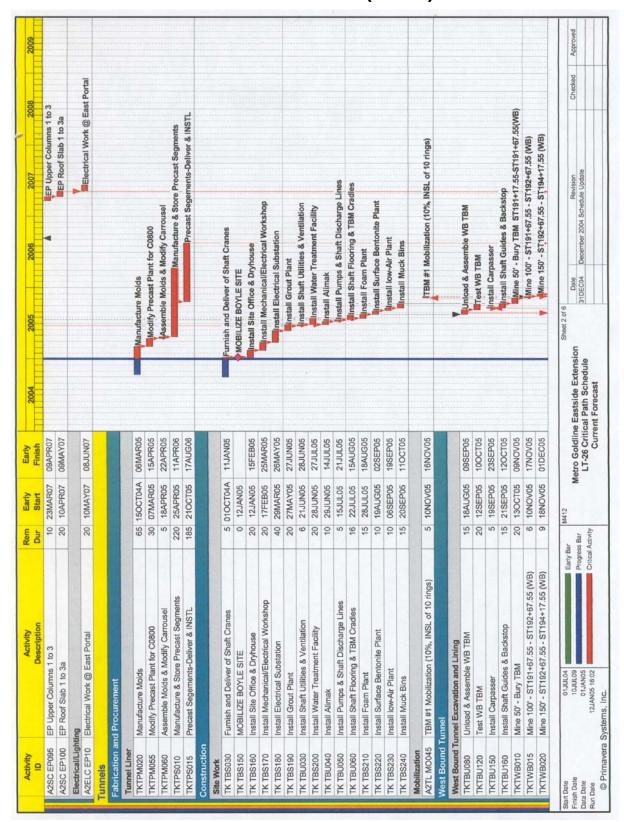
#### **KEY MILESTONE SCHEDULE SIX-MONTH LOOKAHEAD**

	Milestone Date	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05
Submitted Boyle Station Schematic Design for MTA Review	12/03/04	0					
Commenced Demolition Plan 85% Drawings	12/06/04	0					
Commenced Geotech Investigation & Analysis - Underground Stations	12/07/04	0					
Completed Lead/Asbestos Abatements and Building Demolitions at 1st/Boyle and 1st/Soto Sites	12/10/04	0					
Commenced Schematic Design for Soto Station	12/14/04	0					
Commenced Initial Civil Design - Segment 7	12/15/04	0					
Commenced Soldier Pile Installation at 1st/Boyle Station	12/17/04 *	0					
Commence 1st St. Sidewalk Demolition for Street Improvement at W. Portal, Boyle and Soto Stations	12/18/04 *	0					
Commenced Compaction Grouting along 1st Street	12/27/04 *	0					
Completed Building Demolition and Removal of Underground Gas Tank at 1st/Soto Station Area	12/28/04 *	0					
Commence Installation of Dewatering System at 1st/Boyle Station	01/27/05		0				
Complete Manufacturing Tunnel Liner Molds	01/29/05		0				
Complete Design Basis and Alignment Design	01/31/05		0	0			
Complete Solider Pile Installation at 1st/Boyle Station	02/18/05 *			0			
Commence Solider Pile Installation at East Portal	03/02/05				0		
Commence Installation of Dewatering System at 1st/Soto Station	03/09/05 *				0		
Commence Boyle Station Box Excavation	03/23/05 *				0		
Commence Construction of Retaining Wall at East Portal	04/06/05					0	
Commence Soldier Pile Installation at 1st/Soto Station	05/10/05 *						0
	e LRT Constructo	rs		FTA Metr		pproval	oval

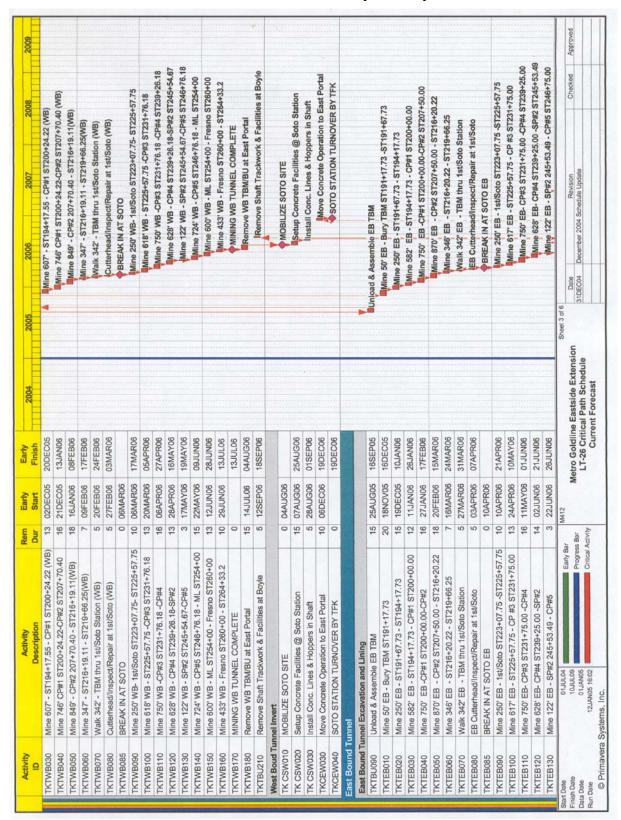
#### **CRITICAL PATH (1 of 6)**



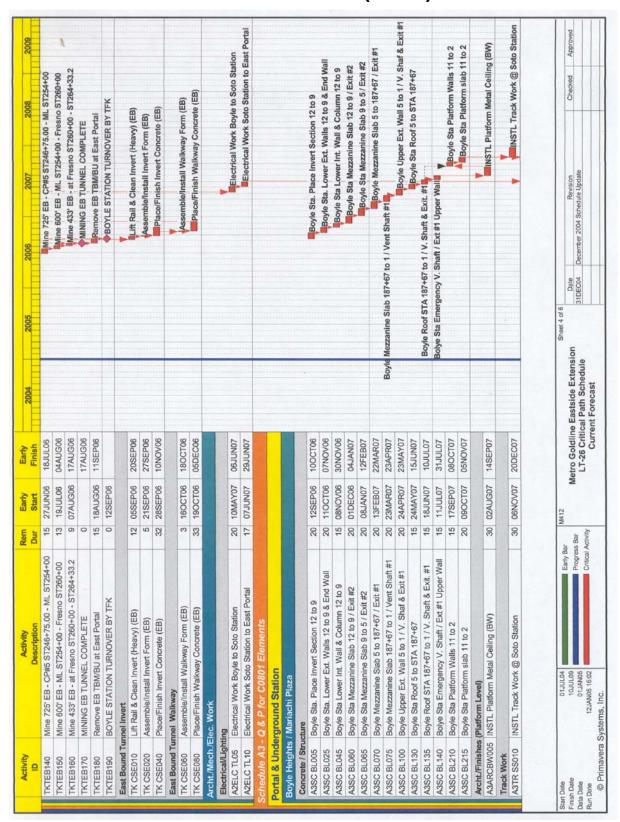
### PROJECT MASTER SCHEDULE CRITICAL PATH (2 of 6)



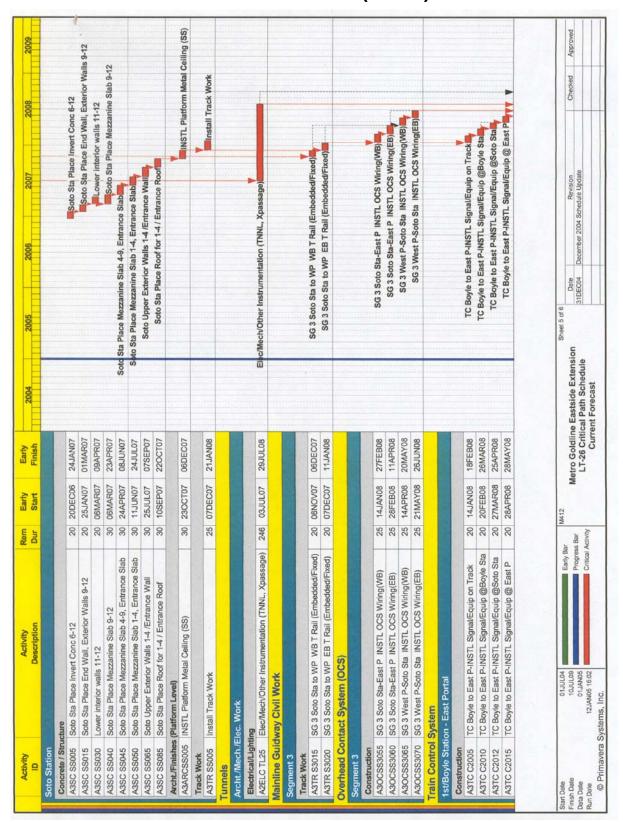
### PROJECT MASTER SCHEDULE CRITICAL PATH (3 of 6)



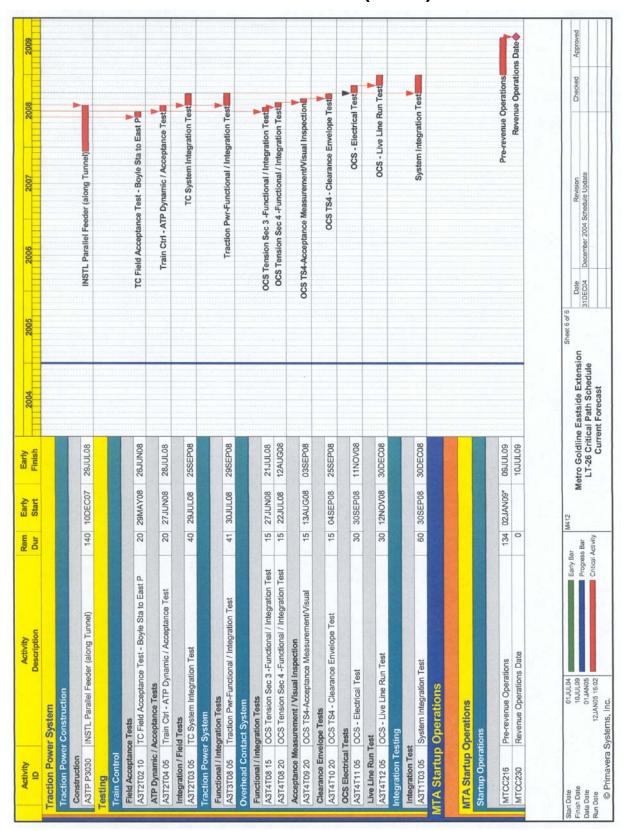
### PROJECT MASTER SCHEDULE CRITICAL PATH (4 of 6)



### PROJECT MASTER SCHEDULE CRITICAL PATH (5 of 6)



### PROJECT MASTER SCHEDULE CRITICAL PATH (6 of 6)



#### **CRITICAL PATH NARRATIVE**

There is approximately a 13-month lead-time for the procurement and delivery of two Earth Pressure Balance Machines (EPBMs). Concurrent with the EPBM procurement, the project will proceed with submittals preparation and review, traffic control, utility relocations, ground treatments, solider pile installation, temporary decking system installation, station box excavations, and surface and underground equipment setups for tunneling work. The Boyle Heights/Mariachi Plaza station box excavation is scheduled to complete prior to the EPBMs delivery.

The critical path continues with EPBMs assemblies, excavation of both tunnels, excavation of crosspassages, and tunnel invert and walkway construction. The critical path then follows Soto and Boyle station construction and the installations of trackwork and overhead contact system for the underground section. The system equipment installation such as overhead contact system, train control, traction power, and local facilities testing are the last stage of the critical path prior to entering the final test stage, where systems integration testing and pre-revenue operations are conducted.

#### Design

As of the end of this reporting period, the contractor has proceeded with the design basis, alignment design, geotechnical report, schematic design for Boyle and Soto stations, and civil design for segment 7 and retaining wall at East Portal.

#### Construction

The soldier pile installation at Boyle site commenced on December 17, 2004 and is anticipated to finish by the end of February 2005. Safety measures, temporary streetlights and other traffic controls were arranged during the solider pile installation. The permeation grouting at Boyle site began in mid-December and is anticipated to finish by the end of January 2005. Building demolition and underground gas tank removal at Soto site were completed. Wet utility relocations continued at Boyle, Soto and West Portal areas during this reporting period.

Fabrication of the tunnel boring machines and the tunnel liner molds are underway.

#### **PROJECT COST STATUS**

#### COST REPORT BY ELEMENT

DOLLARS IN THOUSANDS

ELE-	DESCRIPTION	ORIGINAL	CURRENT	T BUDGET	COMMI	TMENTS	EXPEND	ITURES	CURRENT	FORECAST	BUDGET / FORECAST
MENT	DESCRIPTION	BUDGET	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	VARIANCE
С	CONSTRUCTION	633,221	-	633,221		632,554	-	90,422	-	662,391	29,169
S	SPECIAL CONDITIONS	19,494	1	19,494	22	14,696	178	4,922	1	20,329	836
R	RIGHT-OF-WAY	40,358	•	40,358	,	40,711	35	32,152	•	41,742	1,384
Р	PROFESSIONAL SERVICES	135,304	-	135,304	23	79,906	1,141	66,227	-	135,936	632
PC	PROJECT CONTINGENCY	60,254	-	60,254	-	-	-		-	28,249	(32,005)
PR	PROJECT REVENUE	(4,617)	-	(4,617)		-	-	(16)	-	(4,633)	(16)
SUBTOTAL		884,014		884,014	45	767,867	1,355	193,708		884,014	-
PF	PROJECT FINANCE COST	14,800	-	14,800	-	-	-	-	-	14,800	-
	TOTAL	898,814	-	898,814	45	767,867	1,355	193,708	-	898,814	-

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH NOVEMBER 2004

#### PROJECT COST ANALYSIS

#### Original Budget and Current Budget

The Original Budget and Current Budget remained the same this period. The Full Funding Grant Agreement (FFGA) was adopted June 1, 2004 in the amount of \$898.8 million. The Original and Current Budgets reflect the adopted FFGA.

#### **Current Forecast**

The total project forecast remains the same at \$898.8 million.

#### Commitments

The Commitments increased by \$0.1 million this period primarily due to additional outside auditing services and required environmental permits and fees. The \$767.9 million in Commitments to date represents 85.4% of the Original Budget.

#### **Expenditures**

Expenditures are cumulative through November 2004. The Expenditures increased by \$1.4 million this period primarily to costs associated with MTA Administration, Engineering Design Support During Construction, and Construction Management Support Services. The Nov-04 Pay Estimate for Contract C0803 in the amount of \$16.8 million was posted in the MTA's Financial Information System (FIS) on December 1, 2004, therefore it will be reflected in the next reporting period. The \$193.7 million in Expenditures to date represents 21.6% of the Original Budget.

#### FINANCIAL/GRANT STATUS

								in \$ million	S
SOURCE	(A) ORIGINAL BUDGET	(B) TOTAL FUNDS	(C) TOTAL FUNDS	(D) COMMITM	(D/B) IENTS	(E) EXPENDIT	(E/B) URES	(F) BILLED to I	(F/B) FUNDING
		ANTICIPATED (1)	AVAILABLE	\$	%	\$	%	\$	%
FEDERAL - SECTION 5309 NEW START	490.7	490.7	17.3	418.1	85%	17.3	4%	17.3	4%
FED - SECTION 5309 FIXED GUIDEWAY	23.1	23.1			0%		0%		0%
FEDERAL - CMAQ	10.3	10.3			0%		0%		0%
REGIONAL IMPROVMNT PROG-FED	179.6	179.6	4.6	179.6	100%	4.6	3%	4.6	3%
REGIONAL IMPROVM PROG-STATE	0.6	0.6	0.6	0.6	100%	0.6	100%	0.6	100%
STATE TCRP	45.0	45.0	45.0	45.0	100%	45.0	100%	45.0	100%
PROP A 35% / PROP C 40% BONDS	124.6	124.6	116.0	124.6	100%	115.7	93%	115.7	93%
LEASE REVENUES	10.1	10.1			0%		0%		0%
UNBILLED ACCRUALS						10.5			
SUB-TOTAL	884.0	884.0		767.9	87%	193.7	22%	183.2	21%
PROP A/PROP C (INTEREST COST)	14.8			0.0	0%	0.0	0%	0.0	0%
TOTAL	898.8	898.8	183.5	767.9	85%	193.7	22%	183.2	20%

(1) Based on August 03 Adopted Short Range Transportation Plan (includes interest cost) NOTE: EXPENDITURES ARE CUMULATIVE THROUGH NOVEMBER 2004.

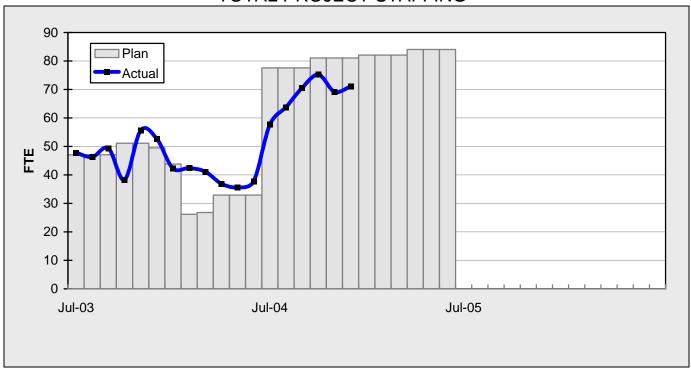
#### STATUS OF FUNDS ANTICIPATED

**FEDERAL SECTION 5309:** MTA submitted a grant amendment application CA-03-0508-04 for \$3,934,330 on April 18, 2003. Funds are available for draw down as of June 2003. On June 1, 2004, the FTA approved the Full Funding Grant Agreement for \$490.7 million of New Starts Funds. MTA received an appropriation of \$59.5 million for FY05. A grant application will be prepared and submitted pending direction from FTA regarding the resolution of an outstanding \$9 million issue related to Metro Red Line Segment 3 Eastside Extension (Project 800084).

**STATE TCRP:** On April 3, 2003 the California Transportation Commission approved MTA's request to amend the STIP to convert \$191 million of unallocated TCRP funds to STIP funds. On August 25, 2003, MTA submitted a request for AB1335 Letter of No Prejudice (LONP) authority for Phase 4 construction activities. The LONP approval request has been deferred indefinitely by the CTC.

#### **STAFFING STATUS**

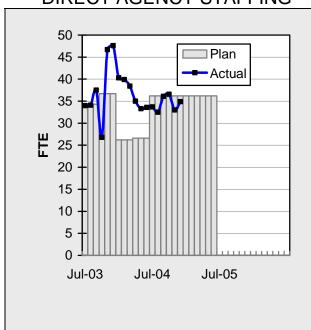
#### TOTAL PROJECT STAFFING

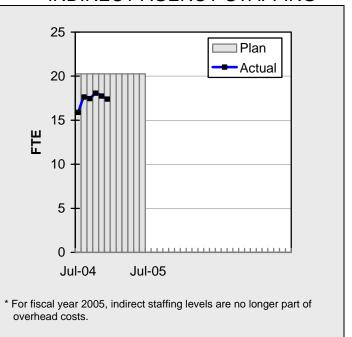


#### **STAFFING STATUS**

#### **DIRECT AGENCY STAFFING**

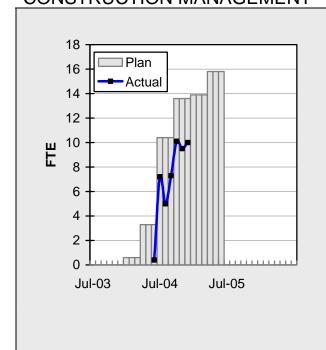
#### INDIRECT AGENCY STAFFING

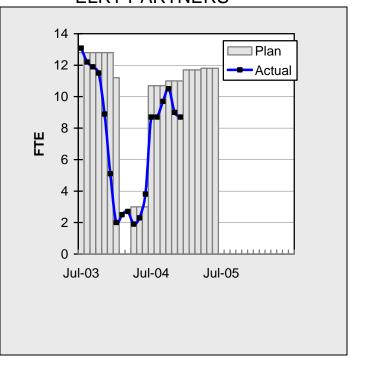




#### **CONSTRUCTION MANAGEMENT**

#### **ELRT PARTNERS**





#### **REAL ESTATE STATUS**

- For C0803, the tunnel portion of the alignment, 40 parcels are required for acquisition (11 full takes, 4 partial takes, 20 sub-surface easements/temporary construction easements, 3 sub-surface easements/building protection, and 2 building protections).
- For C0803, the at-grade portion of the alignment, 27 parcels are required for acquisition (17 full takes, 9 partial takes and 1 surface easement). Nine parcels have been identified for the proposed Ramona High School site reconfiguration.
- For C0802, 2 parcels are required (1 surface easements and 1 full take parcel).
- Sixty-nine parcels have been certified, 40 for C0803-Tunnel, 27 for C0803-At-Grade and 2 for C0802. Offers have been made to 65 property owners. A total of 49 parcels have been acquired (32 under C0803-Tunnel, 15 under C0803-At-Grade, and 2 under C0802). Real Estate is in negotiations with the other property owners.
- Third Party Administration has obtained two Encroachment Permits from Caltrans for C0803-Tunnel. All three (3) street closures have been obtained from the City of LA.

#### REAL ESTATE ACQUISTION SCHEDULE SUMMARY **Behind Schedule** Number of On Avg. Parcels Schedule Calendar Required Acquired Number Days This Period 69 49 20 0 0 Last Period 69 24 0 45 0

### REAL ESTATE STATUS TO DATE BY CONTRACT ACQUISITION PHASE

CONTRACT NO.	Number of Parcels (A+B+C+D+E)	Agreements Signed (A)	Parcels in Condemnation (B)	Under Negotiation (C)	In Appraisal Process (D)	Inactive Parcels (E)	Parcels Available
C0803-Tunnel	40	29	0	11	0	0	32
C0803-At-Grade	27	15	0	11	0	1**	15
C0802	2	2	0	0	0	0	2
TOTAL	69	46	0	22	0	1	49
LAST PERIOD	69	45	0	14	9	1	45

<sup>\*</sup> Alma parcels for LAUSD Ramona High School; pending completion of CEQA process (need date 6/1/05)

<sup>\*\*</sup> Parcel ES-604 Ramona High School (portion to be acquired)

#### **ENVIRONMENTAL STATUS**

- Submitted renewal of SCAQMD Rule 1166.
- Completed asbestos and lead-paint abatement.
- Finalized and implemented a Noise Monitoring Plan.
- Developed a Cultural Resource Training Program for CM and field staff.
- Completed the Fourth Quarter Mitigation Monitoring Status Report for review.

#### **COMMUNITY RELATIONS STATUS**

- Provided construction update at the Review Advisory Committee Meeting.
- Provided briefing on soldier pile operation to elected officials and community stakeholders.
- Distributed construction notices to the community and elected officials.
- Promoted Metro Gold Line Eastside Project at two community events.
- Participated in MTA Partnering Session.

#### **QUALITY ASSURANCE STATUS**

The first scheduled audit of the Resident Engineer's activities is scheduled for January.

#### **SAFETY STATUS**

- Participated in weekly progress meetings with Construction Management and ELRTC personnel to discuss safety related issues and construction schedule.
- Participated in Readiness Review and Contractor Submittal Review Meetings.
- Participated in Contractor Safety Orientation and Tool Box Safety meetings.
- Participated in Partnering Review workshop with Construction Management and ELRTC personnel.
- Reviewed safety audit policies and procedures with ELRTC Safety staff.
- Monitored construction and traffic control activities on a daily basis to ensure safety compliance.

#### THIRD PARTY AGREEMENT STATUS

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
City of Los Angeles	Amendment	Complete	N/A	Fully executed on 12/23/02.
Los Angeles County	Master	Complete	N/A	Execution completed 4/1/03.
Caltrans (All Projects)	Master	Complete	N/A	MTA execution completed 5/7/03. Caltrans full execution occurred in July 2003.
Caltrans (101)	Design	Complete	N/A	MTA execution completed 5/7/03. Caltrans full execution occurred in July 2003.
Caltrans (101)	Construction	Complete	N/A	MTA execution completed 6/16/03. Caltrans full execution occurred in September 2003.
Caltrans (101)	Maintenance	5/05	Project Completion	Initial negotiation meeting on 1/9/03 resulted in MTA's recommendation to use the existing agreement with a similar San Diego system. The San Diego agreement was forwarded to MTA on 1/29/03. MTA received a draft from Caltrans on 4/10/03. Agreement was returned to Caltrans on 4/22/03 with comments. After a negotiation meeting on 7/29/03, a draft agreement by Caltrans was received on 1/22/04. MTA sent back to Caltrans on 2/10/04 but no response has been received.
LADWP (Water)	Amendment	12/04	*6/04	Negotiation meetings were held on 3/8, 3/12, 4/8, 4/9 and 5/11/04 and completed review and necessary changes to the draft agreement but DWP could not agree to the "Deadlines and Delays" language. MTA continued seeking DWP's acceptance of "Deadlines and Delays" language and had a meeting with Charles Safer on 5/24/04. Charles Safer contacted the City Attorney on 6/3/04. The attorney discussed with DWP staff and all areas are basically agreed upon. MTA will make modifications to the Deadline and Delay languages that indicate DWP is the sole cause of the delays. DWP has come back with exception to this Deadline and Delay section. MTA management was asked on 7/30/04 to review the document without deadlines and delays, but with other concession by DWP. MTA management advised staff that it is necessary. MTA management is in discussions with Board members for assistance.

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
LADWP (Power)	Amendment	1/05	*6/04	Negotiation meetings were held on 3/8, 3/12, 4/8, 4/9 and 5/11/04 and completed review and necessary changes to the draft agreement but DWP could not agree to the "Deadlines and Delays" language. MTA continued seeking DWP's acceptance of "Deadlines and Delays" language and had a meeting with Charles Safer on 5/24/04. Charles Safer contacted the City Attorney on 6/3/04. The attorney discussed with DWP staff and all areas are basically agreed upon. MTA will make modifications to the Deadline and Delay Languages that indicates they were the sole cause of the delays. DWP has come back with exception to this Deadline and Delay section. MTA management was asked on 7/30/04 to review the document without deadlines and delays, but with other concession by DWP. MTA management advised staff that it is necessary. MTA management is in discussions with Board members for assistance.
So. Cal. Edison Co.	Amendment	1/05	*6/04	The proposed agreement was not acceptable to SCE. A sense of urgency was instilled to SCE in 3/17/04 meeting. A revised draft amendment was agreed upon in 4/12/04 meeting and was forwarded to SCE on 4/15/04 for signature. SCE was still unwilling to sign agreement. A meeting was scheduled for early July 2004 but SCE cancelled. SCE management has agreed to give a redraft of the agreement to MTA in December 2004 so negotiation can continue. SCE management was still reviewing and commenting on the draft before the holiday break.

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Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
The Gas Company	Amendment	12/04	*6/04	A redraft prepared by the Gas Co. was reviewed by MTA on 4/9/04 and a revised document was sent to the Gas Co. on 4/19/04 for final review and execution. Another draft, prepared by the County Counsel on 4/29/04, was sent to the Gas Co. for execution. No response since then. Voice message was left on 5/18/04 and document was e-mailed again to them on 5/21/04. MTA is seeking Gas Company acceptance of "Deadlines and Delays" language. Gas Co. has sent the final amendment to MTA for review. Upon Legal review questions arose on Conditional Design and negotiations held 9/2/04 allowed for agreement. Gas Co. made the necessary changes by 9/9/04 and returned for final review. All changes accepted and Gas Co. executed the amendment December 3, 2004. Waiting on MTA Board action.
SBC	Amendment	12/04	*6/04	A redraft was sent 2/19/04 and was agreed upon in 3/26/04 meeting with an exception of the use of D/B in the agreement. MTA reviewed and completed necessary changes on 4/9/04 and forwarded the revised document to SBC on 4/22/04 for final review and execution. SBC was on strike 5/21 – 24/04, and has caused an impact to its execution. Telephone conversation on 5/25/04 expressed that MTA is seeking SBC acceptance of "Deadlines and Delays" language. SBC insists that they should be able to stop work at any time. Alternative language to this was sent on 6/26/04, which has been agreed upon. The final draft from SBC omitted conditional design submittals and alternatives language is being submitted. Negotiations on 9/2/04 led to agreement and the final document has been revised by SBC and received by MTA. Documents will be cleaned up and sent to SBC for execution in October. Execution is underway at SBC and will be sent to MTA by early January 2005.
Adelphia Cable Company	Amendment	12/04	*6/04	Received a marked up draft 7/19/04, with minor changes. Legal completed review and sent to Adelphia for execution. Adelphia provide comments which are under review by County Council.

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
California Water Service Company	Master	12/04	*6/04	Cal Water could not agree with the use of D/B in the agreement. MTA responded in a letter that they are responsible to MTA. A draft was sent to Cal Water on 3/15/04. Received minor comments on 4/22/04 and forwarded it to legal for review. Revisions were sent to Cal Water 6/26/04 following discussions. Cal Water executed on 12/6/04. Waiting for MTA Board action.
L.A.County Sanitation Districts	N/A	Complete	3/04	Sanitation District letter dated 3/26/03 stated no need for an agreement since there are no relocations necessarily related to their facilities. They will review the submittals related to encasement for their facility on Indiana Street.
MCI Worldcom	Amendment	Completed by MCI, waiting for MTA Board action	*6/04	An amendment to the previous agreement was produced, discussed and agreed upon on most items. MTA completed the review and necessary changes in response to additions and changes made by MCI and sent a revised document to MCI and sent a revised document to MCI on 4/19/04 for final review and execution. The insurance language was completed by Risk Management on 5/7/04 and reviewed by Mr. Safer on 5/24/04 and was forwarded to MCI on 5/25/04 for review. MTA is seeking MCI acceptance of "Deadlines and Delays" language. MCI would not agree to the Deadlines and Delay language but all other items were agreed upon during a conference call on 6/3/04. MCI completed the changes agreed upon and the revised document was sent to MTA 6/5/04 for final review. MCI executed on 7/20/04. MTA execution is waiting on Board action.
Metropolitan Water District	Amendment	Complete	3/04	1/7/03 meeting resulted in using the existing agreement. A letter was sent to MWD on 4/1/03 for their concurrence. Concurrence was executed by MWD on 4/21/03 and received on 5/12/03.

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Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
Verizon Wireless	Amendment	1/05	*6/04	The revised draft amendment was hand delivered to Verizon on 11/19/03 and an electronic copy was sent to them 2/19/04. Verizon responded 5/26/04. A meeting to discuss a path forward was scheduled for early July but was cancelled later due to layoffs and changes in staff. Discussions with staff resumed and partial comments were received in late September. The remainder was expected to arrive by late December but did not and MTA has sent another reminder that work authorizations may be held up due to lack of an agreement.
AT&T Local Services	Amendment	1/05	*6/04	MTA Legal has reviewed the document and has suggested some changes. The previous agreement was sent on 9/2/04 to allow AT&T to complete comments. Following a communication on 11/18/04, the AT&T had a discussion with MTA legal in December 2004. Comments are revisions are being reviewed by the County Counsel.
GST	N/A			Facilities are not impacted by Eastside Construction
Exxon Mobil Oil Company	N/A			Facilities are not impacted by Eastside Construction
Pacific Pipeline Company	N/A			Facilities are not impacted by Eastside Construction
Kinder Morgan Pipeline Company	N/A			Facilities are not impacted by Eastside Construction
Tosco Refining Company	N/A			Facilities are not impacted by Eastside Construction
Equilon Pipeline Company	N/A			Facilities are not impacted by Eastside Construction
Level 3 Communications	N/A			Facilities are not impacted by Eastside Construction
Broadwing Communications	N/A			Facilities are not impacted by Eastside Construction
Eller Media	N/A			Facilities are not impacted by Eastside Construction
Qwest-SP Telecom	N/A			Facilities are now impacted by the Yard expansion and a letter agreement is being drafted.

<sup>\*</sup> Work under the current MCA and will not delay ongoing work.

#### **CPUC CROSSING SUMMARY**

Batch	Application Status	Initial Package Submittal to MTA	Field Diagnostic Meeting	Revised Drawings Due to MTA	Draft Write- up to MTA	Draft Package Sumbittal to PUC Local office and Agencies	Final Package Submittal to PUC	CPUC Final Approval
1	Complete	8/5/02	8/12/02	8/26/02	9/6/02	9/6/02	9/6/2002	Approved
2	Complete	10/4/02	10/11/02	10/25/02	11/6/02	11/22/02	11/22/2002	Approved
3	Complete	2/6/03	2/27/03	3/10/03	1/27/03	4/11/02	4/18/2003	Approved
4	Complete	12/14/02	1/15/03	1/29/03	11/13/02	5/5/03	6/18/2003	Approved
4A	Complete	1/24/03	1/29/03	3/14/03	2/7/03	9/5/03	1/23/2004	Agendized for Approval - 1/13/05
6	Complete	3/19/03	3/26/03	6/20/03	2/7/03	9/5/03	9/12/2003	Approved
7	Complete	12/11/02	12/18/02	3/31/03	2/7/03	5/5/03	7/25/2003	Approved
8	Complete	11/26/02	12/18/02	3/31/03	11/15/02	6/6/03	5/21/2004	Agendized for Approval - 1/13/05
9	Complete	1/20/03	1/29/03	3/31/03	11/22/02	8/29/03	9/12/2003	Approved
10	Complete	12/11/03	12/18/02	3/10/03	11/22/02	5/5/03	8/29/2003	Approved
11	Complete	2/13/03	2/27/03	4/18/03	12/6/02	6/6/03	8/29/2003	Approved
12	Complete	2/13/03	2/27/03	4/18/03	12/13/02	6/6/03	9/5/2003	Approved
13	Complete	2/6/03	2/20/03	4/18/03	2/21/03	6/6/03	9/1/2004	
14	Complete	1/8/03	1/15/03	3/14/03	11/12/02	8/29/03	10/30/2003	Approved
15	Complete	2/26/03	N/A	N/A	2/21/03	6/6/03	8/29/2003	Approved
16	Complete	2/26/03	N/A	N/A	2/28/03	6/6/03	8/29/2003	Approved
17	Complete	1/8/03	1/15/03	N/A	2/14/03	5/5/03	6/13/2003	Approved
18	Complete	1/8/03	1/15/03	3/20/03	2/14/03	5/5/03	6/13/2003	Approved
Agency R	esponsible	ELRTP	MTA	ELRP	ELRTP	MTA	MTA	

Batch No. 5 has been removed, as the Midway Yard will be utilized.

#### SHADED AREAS REPRESENTS COMPLETION

30 applications approved. Six applications are on the CTC agenda for 1/5/05 for approval. The final five applications are all grade separated.

Batch Descriptions							
1	1st / Alameda	10	3rd / Ford				
2	Alameda / Temple	7	3rd / McDonnel				
	1st / Hewitt		3rd / Arizona				
	Ped Crossings @ 1st / Alameda Station	11	3rd / Mednik				
3	1st / Vignes	]	3rd / Civic Center Drive				
4	1st / Lorena		3rd / La Verne				
4A	Indiana/1st	12	3rd / Drveways to Sherriff's Station				
	Indiana/3rd		3rd / Wood / Via Corona / Pomona / Beverly				
	Indiana Pedestrian Crossing	13	3rd / 60 Fwy WB Connector				
6	1st / Mission		3rd / 60 Fwy over ELRT				
	1st / Anderson		3rd / 710 Fwy SW Connector				
	1st / Clarence		3rd / Bridge over 710 Fwy				
	1st / Utah		3rd / 710 Fwy SE Connector				
	1st/Gless Pedestrian Crossing	14	Union Station Service Road				
7	3rd / Rowan	15	1st / Santa Fe				
			1st / Myers				
8	3rd / Gage	16	1st / MTA				
	3rd / 60 Fwy WB Ramps		1st / BNSF				
	3rd /Downey		1st / Union Pacific				
9	3rd / Marianna	17	US 101 Fwy Overcrossing				
	3rd / Eastern	18	Commercial Street Overcrossing				

#### **CONTRACT C0802 STATUS**

Description: 101 Freewa	Contract No.	C0802					
Contractor: Brutoco Eng	Status as of: December 31, 2004						
Progress/Work Complete	Major Activities (In Progress):						
* Completed field office mobilization. * Submitted the revised Baseline CP * Restriped NB 101 Freeway. * Set K-rail and crash cushion NB 10 * Commenced survey of pile layout.	* Set up CIDH pile installation equipment * Traffic controls * Review Baseline CPM Schedule						
Areas of Concern: None	* CIDH pile installation  * Demolition along Commercial Street  * Close existing ramp to 101 Freeway  * Approve Baseline CPM Schedule  * Remove median barrier.						
Schedule Summary:			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
Date of Award:	09/07/04	Notice to Proceed	09/22/04	0	09/22/04	09/22/04	0
Notice to Proceed:	09/22/04	Milestone 1 - Complete Abutment No. 10	06/26/06	0	06/26/06	06/26/06	0
Original Contract Duration: Current Contract Duration:	700 CD 700 CD	Milestone 2- Complete All Work	08/23/06	0	08/23/06	08/23/06	0
Elapsed Time from NTP:	100 CD			_			
<b>Physical Percent Comple</b>	ete:	Cost Summary: \$ In millions					
Pending approval of contractor's sch	nedule.	1. Award Value: 0.00					
	2. Executed Modifications: 0.00						
* Note: Physical completion assessment reflects work completed		3. Approved Change Orders: 0.00					
and invoice amount.	4. Current Contract Value (1+2+3): 0.00						
	Incurred Cost:     0.00  * Note: Award Value will be reflected once the Purchase Order has been executed						

#### **CONTRACT C0803 STATUS**

Description: Tunnel, Sta Systems	Contract No. C0803							
Contractor: Eastside LR	Status as of: December 31, 2004							
Progress/Work Complet	ed:	Major Activiti	ies (In F	Progres	s):			
* Completed building demolition at Soto station site.  * Commenced permeation grouting around Boyle station site.  * Commenced solider pile installation at Boyle station site.  * Submitted 85% design for East Portal retaining wall.  * Commenced schematic design for Soto station and segment-7 civil design.  Areas of Concern:		* Tunnel boring machines manufacturing  * Tunnel liner molds manufacturing  * Solider piles installation at Boyle station  * Utility relocations at Boyle, Soto and West Portal  * Schematic design for Boyle and Soto stations  * Complete 85% design for East Portal retaining wall  * Civil design for Segment-7  * 30 Hour OSHA Safety Training						
None	Maior Activiti	Major Activities Next Period:						
	* Continue fabrication of two tunnel boring machines  * Continue manufacturing of tunnel liner molds  * Continue soldier pile installation at Boyle station  * Continue permeation grouting at Boyle station  * Continue utility relocations at Boyle, West Portal, and Soto  * Commence dewatering at Boyle station site  * Continue 30 Hour OSHA Safety Training							
Schedule Summary:			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs	
Date of Award:	06/01/04	Notice to Proceed	07/01/04	0	07/01/04	07/01/04	0	
Notice to Proceed:  Original Contract Duration:  Current Contract Duration:	07/01/04 1795 CD 1795 CD	Milestone 1 - Contract Completion. Complete all systems integration testing and ready for MTA's pre-revenue operation testing.	12/31/08	0	12/31/08	12/31/08	0	
Elapsed Time from NTP:	183 CD	Milestone 3 - Complete Universal Fare System Equipment area.	04/30/08	0	04/30/08	04/30/08	0	
Option D Contract duration	90 CD Complete	Milestone 5 - Vacate all staging areas and turn over to MTA.	05/30/09	0	05/30/09	05/30/09	0	
		Milestone 6 - Complete design and construction of Option D work.	09/28/04	0	09/28/04	09/28/04	0	
Physical Percent Complete:		Cost Summary:			\$ In millions			
Physical completion * as of this reporting period is: 5.45%		1. Award Value:			600.45			
		2. Executed Modifications: 0.16						
* Note: Physical completion assessr	ment reflects work completed	3. Approved Change Orders: 0.00						
and invoice amount.		,				600.61		
	5. Incurred Cost: 121.33							

#### **CONTRACT P2550 STATUS**

Description:	2550 Rail Vehicle Program			
Contractor: Ansaldobreda, Italy				

#### Sta Status as of: December 31, 2004

#### **Progress/Work Completed:**

- 1. The IPT conducts on-going weekly conference calls with project staff in Los Angeles, New York, Pistoia, and Naples Italy. The teleconferences discuss the status of Contract submittals, reviews and approvals, specific design issues and planned activities for the week. 2. The IPT drafted the four-month look-ahead schedule for up-coming First Article Inspections, and travel to support these program management efforts.
- 3. MTA Joint Project Team visited Ansaldobreda's Italian facility to assess engineering work progress, review program schedule and conduct the last First Article Inspections other than the assembled vehicle during the months of November.

#### **Areas of Concern:**

- 1. Documentation submittals are close to complete. However, several submittals continue lagging behind the contract schedule. Ansaldobreda is making an effort to "catch-up" through the efforts of their documentation consultant
- 2. Both Milestones 5A, Approval of all design dwgs, and 6A, Approval of Cab Mock-up, are not yet complete nor officially approved.

#### Major Activities (In Progress):

Contract No. P2550

Contractor is in process of completing the Milestone 5A & 6A work. 98% of this work is completed. However, these milestones cannot yet be approved. Ansaldobreda has invoiced for 6A work.

Contractor continues work on Milestones 7A and 8A.

#### **Major Activities Next Period:**

- 1. Ansaldobreda Executive Management will visit Metro's offices in January to meet with Metro Executive Management concerning commitment to an schedule mitigation path forward. 2. Activities will revolve around scheduling and conducting the reviews and approvals of the remaining due technical documentation.
- 3. During this period the IPT will continue closely monitoring and expediting where necessary for all scheduled activities involved in constructing and supporting the 2550 rail vehicle.
- 4. Weekly teleconference meetings will reconvene to monitor technical design completion for the 2550 rail vehicles.

#### **Schedule Summary:**

Date of Award:	04/24/03
Notice to Proceed:	06/06/03
Original Contract Duration:	1460 CD
Current Contract Duration:	1460 CD
Elapsed Time from NTP:	574 CD

Option 1 & 2 Contract duration 1460 CD\*\*

\*\* after starting options 1 & 2

Note: MTA has issued Modification No. 1 to Ansaldobreda. Modification No. 1 is a zero-cost, miscellaneous administrative and technical clarification modification. MTA is in process of finalizing Modification No. 2 that would reflect the recently granted California Board Of Equalization exemption for State Sales Tax on the Light Rail Vehicles.

	Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
Notice to Proceed	06/06/03	0	6/06/03A	6/06/03A	0
Milestone 1A -	08/08/03	0	12/08/03	10/15/03A	0
Milestone 2A -	09/05/03	0	11/20/03	12/30/03A	0
Milestone 3A -	11/07/03	0	01/20/04	12/30/03A	0
Milestone 4A -	01/02/04	0	01/31/04	3/31/04A	0
Milestone 5A - Appr.dwgs, per Sect.1.13.1Tech Specs	05/07/04	0	05/07/04	01/31/05	269
Milestone 6A - Appr.of Operator Cab Mockup	06/04/04	0	06/04/04	01/31/05	241
Milestone 7A - Appr.Carbody stress analysis & C.T. report	11/05/04	0	11/05/04	01/31/05	87
Milestone 8A - Appr.of Traction Motors Perf. Tests	11/05/04	0	11/05/04	01/31/05	87
Milestone 14A - Acceptance of two First Article Vehicles	12/02/05	0	12/02/05	12/02/05	0

#### **Physical Percent Complete:**

Physical completion \* as of December 2004 is 33%.

\* Note: Physical completion assessment reflects work completed and invoiced plus current work in progress.

#### **Cost Summary:**

#### \$ In millions

1. Award Value:

Pasadena (Proj. No.: 800151)	126.99	
Eastside Ext. (Proj. No.: 800088)	31.75	
Total Award Value	158.74	
2 Executed Modifications	0.00	
3 Approved Change Orders: (None)	0.00	
4 Current Contract Value (1 + 2 + 3):	158.74	
5 Pending Changes: (None)	0.00	
6 Incurred Cost:	34.69	

#### **CONSTRUCTION PHOTOGRAPHS**



12 inch water line at 1<sup>st</sup>/Boyle Streets.



Slurry pile placement at Boyle.

#### **CONSTRUCTION PHOTOGRAPHS**



Drilling piles north side of Boyle Street.



Drilling pile at Boyle.

### APPENDIX COST AND BUDGET TERMINOLOGY

ESTIMATED PROJECT COSTS: Estimated project costs are based upon the current project cost estimates that are produced during the engineering design phase.

COMMITMENTS: The total of actual contract awards, executed change orders or amendments, approved work orders of Master Cooperative Agreements, offers accepted for purchase of real estate, and other LACMTA actions that will result in specific expenditures at a future time.

INCURRED COST: The total value of work performed to date of services received, and acquired materials or properties.

EXPENDITURES: The total dollar amount of checks written by LACMTA's Accounting department for contractor or consultant invoices, third party invoices, staff salaries, and closing payments for escrow accounts that is reported in LACMTA's Financial Information System (FIS).

CONSTRUCTION: Includes guideways, yards and shops, systems equipment, stations, and vehicles.

PROFESSIONAL SERVICES: Includes general engineering, construction management services, consultant design support services during construction, legal counsel, and agency (MTA staff) costs.

RIGHT-OF-WAY: Includes real estate appraisals, purchase cost of parcels, easements, right-of-entry permits, escrow fees, and tenant relocation.

UTILITY/AGENCY FORCE ACCOUNT: Includes work by outside agencies and utilities in design coordination and review.

CONTINGENCY: A fund established at the beginning of a project to provide for anticipated but unknown additional costs that may arise during the course of the project.

SPECIAL CONDITIONS: Includes utilities relocation, environmental compliance and mitigation, master cooperative agreements, insurance program, artwork, systems integration testing and pre-revenue operations.

#### **APPENDIX**

#### LIST OF ACRONYMS

AFE Authorization For Expenditure ATC Automatic Train Control

CADD Computer Aided Drafting and Design CALTRANS California Department of Transportation

CD Calendar Day

CM Construction Manager

CMAC Congestion Mitigation Air Quality

CN Change Notice
CO Change Order
CPM Critical Path Method

CPUC California Public Utilities Commission

CR Camera Ready

CTC California Transportation Commission

CUD Contract Unit Description

DB Design/Build
DBB Design/Bid/Build
DD Design Development

DOT Department of Transportation
DWP Department of Water and Power
EIR Environmental Impact Report
EIS Environmental Impact Statement
EPBM Earth Pressure Balance Machine

ESP Eastside LRT Partners

FAR Federal Acquisition Regulation

FD Final Design

FEIS Final Environmental Impact Statement
FEIR Final Environmental Impact Report
FFGA Full Funding Grant Agreement
FIS Financial Information System

FSEIR Final Supplemental Environmental Impact Report FSEIS Final Supplemental Environmental Impact Statement

FTA Federal Transit Administration

FTE Full Time Equivalent

GDSR Geotechnical Design Summary Report

IFB Invitation for Bid

IPO Integrated Project Office

JV Joint Venture LA Los Angeles

LABOE Los Angeles Bureau of Engineering

LACFCD Los Angeles County Flood Control District

LACMTA Los Angeles County Metropolitan Transportation Authority

LADOT Los Angeles Department of Transportation

#### **APPENDIX**

#### LIST OF ACRONYMS (Continued)

LADPW Los Angeles Department of Public Works
LADWP Los Angeles Department of Water and Power

LAUSD Los Angeles Unified School District

LNTP Limited Notice To Proceed
LONP Letter Of No Prejudice
LRT Light Rail Transit

LRTP Long Range Transportation Plan

LRV Light Rail Vehicle

MIS Major Investment Study
MPSR Monthly Project Status Report

MTA Metropolitan Transportation Authority

N/A Not Applicable

NEPA National Environmental Protection Act

NPDES National Pollution Discharge Elimination System

NTE Not to Exceed NTP Notice To Proceed

OCIP Owner-Controlled Insurance Program

P3 Primavera Project Planner® (scheduling software)

PC Project Control

PE Preliminary Engineering

PEER Permit Engineering Evaluation Report

PGL Pasadena Gold Line

PIP Project Implementation Plan

PM Project Manager

PMA Project Management Assistance

PMIP Project Management Implementation Plan PMOC Project Management Oversight Consultant

PMP Project Management Plan (manual)

P&P Policies & Procedures

PR Project Report

PSR Project Study Report QA Quality Assurance

QAR Quality Assurance Report

QC Quality Control

QPSR Quarterly Project Status Report RAC Review Advisory Committee

RAG Rail Activation Group
RFC Request For Change
RFP Request For Proposal
ROD Record Of Decision

ROD Revenue Operations Date ROM Rough Order of Magnitude

## APPENDIX LIST OF ACRONYMS (Continued)

ROW Right-Of-Way

SCAQMD Southern California Air Quality Management District

SCE Southern California Edison

SCRRA Southern California Regional Rail Authority

SHA State Highway Account

SHPO State Historic Preservation Office

SIT System Integration Testing

SOV Schedule Of Value SOW Statement Of Work SP Special Provision

STIP State Transportation Improvement Program

STP Surface Transportation Program

TBD To Be Determined
TBM Tunnel Boring Machine

TCRP Traffic Congestion Relief Program

TPSS Traction Power Substation

TRACS Transit Automatic Control System

UFS Universal Fare System

USDOT U.S. Department Of Transportation

VE Value Engineering

WBS Work Breakdown Structure

WP Work Package