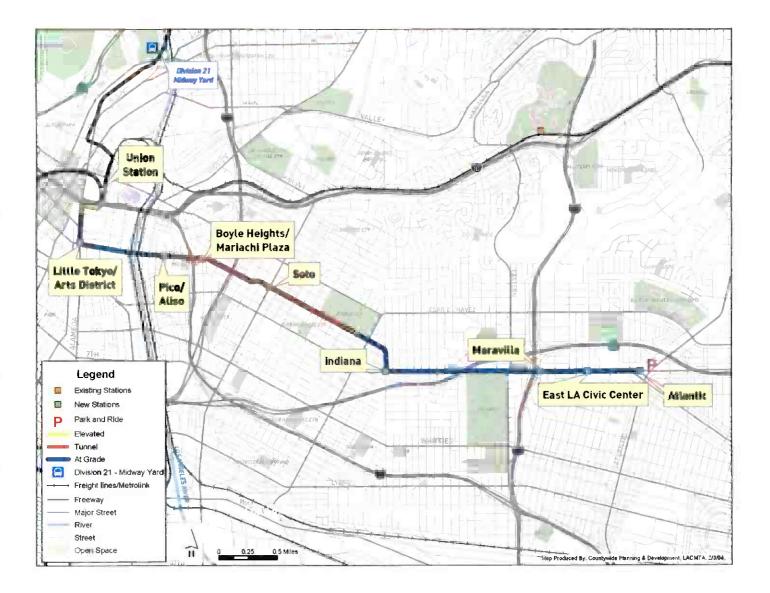
Los Angeles County Metropolitan Transportation Authority

MONTHLY PROJECT STATUS REPORT

# Metro Gold Line Eastside Extension

## January 2007





# METRO GOLD LINE EASTSIDE EXTENSION

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MONTHLY 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.

**JANUARY 2007** 

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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.

During this reporting period, the Approved for Construction (AFC) package for the Traction Power Supply and the 100% design package for the Indiana Station were reviewed and approved. The Communications AFC design package was reviewed and rejected. The 100% design package for the Union Station Temporary Baggage Handling Road is under review. Approved for Construction packages are underway for Civil Segments 3A and 3B, Trackway/Guideway, Overhead Contact System, Indiana Station and the Communications resubmittal. The 100% design packages for Civil Segment 4B, Train Control System and Segment 3C Electrical are also underway. All design packages are planning to be approved for construction by the end of May 2007.

The Caltrans contractor for the US-101 Freeway LRT Bridge Overcrossing Project (Contract C0802) completed bridge deck concrete placement of the bridge structure section closest to Alameda Street. The concrete curb of the same bridge structure section was poured as well. The Caltrans contractor also started removal of the false work underneath the eastern portion of the bridge next to Union Station. Turnover of the bridge structure to Metro remains on schedule.

The City of Los Angeles 1<sup>st</sup> Street Bridge Widening Project is in the final design and construction stages. There are three phases to the project: Phase I – Street Restoration, Phase II – Bridge Girder Strengthening, and Phase III – Bridge Widening. The C0803 contractor is progressing with Phase I construction according to plan. The remaining two phases are the responsibility of the City of Los Angeles. The Phase II construction contract was awarded on January 18, 2007. Construction is expected to start in early February 2007. Phase III design has been completed, and the constructability review will occur next period. The Right-of-Way Certification has been delayed by three months. As a result, the bid documents will not become available to bidders until the end of June 2007. Phase III completion will not impact the construction of the project guideway/track work on the bridge.

The Los Angeles Unified School District (LAUSD) Board authorized the new funding plan for the project in early January 2007. Metro and LAUSD staffs are currently in the process of preparing an amendment to the escrow documents necessary for execution of the Land Exchange Agreement, February 15, 2007, escrow closing date. Also, Metro continues with the process to receive a "No Further Action" finding from the Department of Toxic Substances Control, as required prior to LAUSD receiving possession of the Alma properties and finalizing the Land Exchange Agreement.

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## **PROJECT OVERVIEW**

Underground construction is proceeding per plan. The concrete structure for Cross-passage (CP) No. 1 was completed this period and the excavation of CP No. 2 was also completed. The tunneling contractor completed removal of the mining ancillary equipment from the Boyle Heights/Mariachi Plaza station thereby, allowing clean up of the tunnels east of the station and the start of concrete invert placement in the eastbound tunnel (350 feet to date).

At the Boyle Heights/Mariachi Plaza Station, construction crews this period started installation of the HDPE water protection and rebar placement for exterior walls at track level. Also, installation of soldier piles was completed for the station entrance in anticipation of station entrance excavation to begin next period.

At the Soto Station, the mud slab was poured, construction crews started placing invert slab rebar, and electrical and plumbing embeds.

At the West Portal, removal of the earth berm between the portal and the Boyle Heights/Mariachi Plaza Station started this period.

At the East Portal, concrete pours on interior walls, with the exception of those between grid lines 1 and 2, were completed this period. Also, the shoring for roof placement started in the middle section.

At-grade construction is proceeding according to plan. Along Alameda Street (Segment 1), fabrication of concrete panels for the Mechanically Stabilized Earth (MSE) wall continues per schedule. When sufficient panels are fabricated, delivery to the site will be coordinated to begin the MSE walls erection. This is expected to occur late next period. The Cast In Place (CIP) wall construction is planned to start next period as well.

Along 1<sup>st</sup> Street between Alameda and Vignes Streets (Segment 2A), the installation on the north side of the street of a sewer line was stopped in order to complete the relocation of a DWP power line, which is expected to last through March 2007. This does not impact the project schedule. In a separate segment, also along 1<sup>st</sup> Street east of Los Angeles River (Segment 2B), the street widening on the south side of 1<sup>st</sup> Street is proceeding per plan. The demolition of the remaining building on the LAUSD property on 1<sup>st</sup> Street, between Mission and Clarence Streets, has resumed now that LAUSD was able to relocate a child-care facility to a nearby facility.

At the east end of the alignment along 3<sup>rd</sup> Street between Atlantic Boulevard and Mednik Street (Segment 7), the widening on the south side of the street is progressing per schedule. Also, west of Mednik Avenue (Segment 6), widening of the north side of 3<sup>rd</sup> Street was completed this period.

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## **PROJECT OVERVIEW**

Construction along 3<sup>rd</sup> Street, west of Eastern Avenue in Segment 5, continued according to plan. The construction of the U-channel started this period with demolition and excavation activities. The placement of mud mat and invert slab will follow next period. Also this period, preparations for setting up the rail welding shop are well underway in anticipation of first rail deliveries early in February 2007.

The 3<sup>rd</sup> Street overcrossing retrofit at the I-710 Freeway continues per schedule. This period, excavation of bridge foundation was completed, as well as fabrication of CIDH pile rebar cages. Also, the installation of CIDH piles at the bridge abutments began.

In other areas of the alignment, at-grade station construction continues according to plan. At the Little Tokyo/Arts District Station, the invert slab, concrete structure and walls for the Train Control and Communications (TC&C) room were completed. Also, the installation of the duct bank for fiber optics west of the TC&C room was completed this period. The start of construction of the Atlantic Station is forecast for next period.

Metro Operations has rescheduled the completion of the new fiber optics cable from the Rail Operations Control Center to the 7<sup>th</sup>/Metro Station for the end of June 2007. The fiber optics cable will provide the necessary links required by the project. The new completion date will not impact the project. The C0803 contractor continues coordinating with Metro staff for the testing of existing fiber optic connections and determining project assignments at Union Station for inclusion in the final systems design documents.

The fabrication and delivery of 50 light rail vehicles (LRV), Contract No. P2550 is well under way. Ten vehicles are required for the Metro Gold Line Eastside Extension Project. The first full production LRV was delivered to Metro on January 10, 2007. The current delivery schedule supports the project systems integration testing and pre-revenue phases.

The Universal Fare System (UFS) equipment fabrication will start in April 2007. Equipment fabrication is expected to take up to six months. The finished equipment will be stored at the vendor's facility until the equipment is required for installation.

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## **MANAGEMENT ISSUES**

Issue No. 1: City of Los Angeles 1<sup>st</sup> Street Bridge and Street Widening Project

<u>Status</u> Due to the lack of available funds and the lack of progress on their project, The City of Los Angeles has re-sequenced the construction work into three phases to eliminate schedule impacts to the Metro Gold Line Eastside Extension Project. The first phase is street restoration, followed by girder strengthening, and then bridge widening.

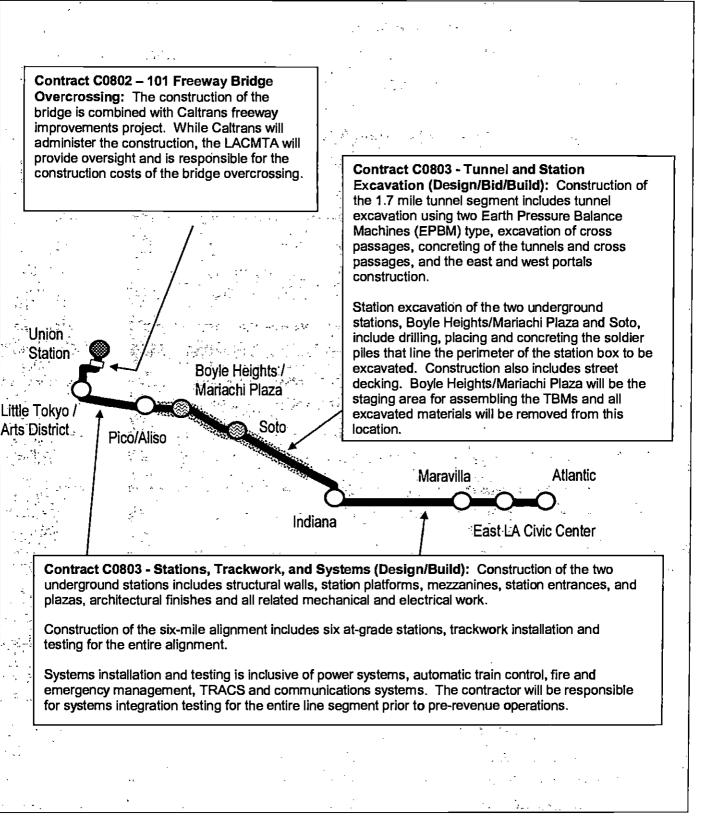
Action Street restoration began in April 2006 and is progressing per the schedule. Approval from the Federal Highway Administration was received on September 18, 2006, authorizing the City of Los Angeles to proceed with the Phase II – Bridge Girder Strengthening construction contract. The bid documents were issued on September 25, 2006 and the construction bids were received on November 29, 2006. The City issued Notice to Proceed on February 6, 2007. Construction completion is scheduled for September 18, 2007, which meets the scheduled turnover date to Metro for track installation by Metro's C0803 contractor.

Issue No. 2: Ramona Opportunity High School and Indiana Station

<u>Status</u> The Metro Board of Directors approved a funding plan between Metro and the Los Angeles Unified School District (LAUSD), that allows for the re-building of Ramona Opportunity High School (ROHS) and for the Indiana Station to be constructed on a portion of the ROHS property. The Land Exchange and Funding Agreement were signed by Metro and LAUSD in July 2006, which includes the terms and conditions of the funding plan and cost sharing arrangements.

<u>Action</u> Execution of the Land Exchange and Funding Agreement that was signed in July 2006 was contingent on LAUSD receiving favorable construction bids for the re-build of ROHS. Bids were received on October 10, 2006 and were above the LAUSD Project estimate and the current Funding Agreement. In December 2006, the Metro Board of Directors authorized a new funding plan for the re-build of ROHS. In January 2007, the LAUSD Board also approved the new funding plan. Execution of the Land Exchange Agreement is planned for February 2007.

#### **PROJECT SCOPE**



## January 2007

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## KEY MILESTONE SCHEDULE SIX-MONTH LOOKAHEAD

and the second	Milestone Date	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07
Started Boyle Heights/Mariachi Plaza Station Construction	01/10/07	0					
Completed Dismanting and Removal of EPBMs	01/26/07 *	0					
Start Delivery of Track Rail to the Welding Yard	02/05/07 *		0				
Start Atlantic Station Construction	02/05/07		0				
City of Los Angeles Issue Notice to Proceed (NTP) for First Street Bridge Phase II Strenghtening Contract	02/06/07 *		Δ				
Land Exchange between Metro and LAUSD	02/15/07 *		Δ				
Submit Segment 3C Electrical 100% Design for Review	02/20/07		0				
Caltrans Complete US-101 Freeway Bridge Overcrossing (C0802)	02/23/07		Δ				
Submit Train Control 100% Design for Review	02/28/07 *		0				
Complete Tunnel Cross Passage Nos. 1 and 2	02/28/07 *		0				
Submit Segment 4B Civil 100% Design for Review	03/06/07 *			0			
Complete EB Tunnel Concrete Invert Slab between Boyle Heights/Mariachi Plaza and Soto Stations	03/09/07			0			
Start East Los Angeles Civic Center Station Construction	03/26/07			0			
Start Laying Track Rail - Segment 7	04/04/07				0		
LAUSD Complete Demolition of Existing Buildings adjacent to Indiana St.	04/15/07				Δ		
Complete West Portal Structure	04/23/07				0		
Complete MSE Wall From Commercial Street to Alameda Street - Segment 1	04/27/07				0		
Complete All Design Approved for Construction (AFC)	05/15/07 *					0	
Complete 1st Street Widening from Alameda Street to Vignes Street - Segment 2 A	05/31/07					0	
Complete Tunnels Cross Passage Construction	06/29/07						0
City of Los Angeles Issue for Bid First Street Bridge Phase III Widening Contract	06/29/07 *						Δ
	LRT Constructors		A Metro	FTA Approv	val Board Appro	wal	

Activity	Activity Description	Rem	Early Start	Early	2010
_	old Line Eastside Extension (ELRTC)		Grant.	P APRICAT	
chedule A3 -	Q & P for C0801 Elements				
Portal & Under	tround Station				
Boyle Heights /	Manachi Piaza			-	
Excavation and	Support				
A2ES BLO10	INSTL Temp. Deck System Plaza area (801)	15	31JANOTA	28FEB07	INSTL Temp. Deck System Plaza area (801)
A2ES 81.015	Structure Exca/Support Plaza area (801)	27	01MAR07	17APR07	Structure Exca/Support Plaza area (801)
ASES BL042	Backfill/Fine Grade Plaza Ground Level	10	30NOV07	14DEC07	Backfill/Fine Grade, Plaza Ground Level
Concrete / Stru	cture		The state of the		
A3SC BL005	Manachi Sta Place Invert Section 12 to 9	10	200CT05A	19FEB07	Mariachi Sta Piace Invert Section 12 to 9
A3SC BL030	Manachi Sta Lower Ext Walls Sta 9 to 5	10	15JAN07A	19FE807	Mariachi Sta Lower Ext Walls Sta 9 to 5
A38C BL035	Mariachi Sta Lower Ext Walls Section 5 to 187+67	20	21FE807	29MAR07	Mariachi Sta Lower Ext Walls Section 5 to 187+67
A3SC BLO65	Mariachi Sta Mezzanine Slab 9 to 5	20	21FE807	29MAR07	Mariachi Sta Mezzanine Slab 9 to 5
A3SC BL040	Mariachi Sta Lower Ext Walls 187+67 to 185+72	20	30MAR07	30APR07	Mariachi Sta Lower Ext Walls 187+67 to 185+72
A3SC BL050	Manachi Sta Lower Int. Wails & Columns 2 to 1	20	30MAR07	30APR07	Mariachi Sta Lower Int. Wails & Columns 2 to 1
A3SC BL070	Manachi St Mezzanine Slab 5 to 187+67 / Exit #1	20	30MAR07	30APR07	Mariachi St Mezzanine Słab 5 to 187+67 / Exit #1
A3SC BL025	Mariachi Sta Lower Ext. Walls 12 to 9 & End Wall	20	18APR07	17MAY07	Mariachi Sta Lower Ext. Walls 12 to 9 & End Wall
A3SC BL075	Mar Mezzanine Slab 187+67 to 1 / Vent Shaft #1	20	02MAY07	30MAY07	Mar Mezzanine Slab 187+67 to 1 / Vent Shaft #1
A3SC BL055	Mariachi Sta Ptaza Area / Exhaust Ptenum #3 Slab	20	18MAY07	18JUN07	Mariachi Sta Plaza Area / Exheust Plenum #3 Slab
A3SC BL100	Mar Upper Ext. Wall 5 to 1 / V Shaft & Exit #1	20	31MAY07	28JUN07	Mar Upper Ext. Wall 5 to 1 / V Shaft & Exit #1
A3SC BL085	Mar Plaza Upper Ext. / Exhaust Plenum #3 Wall	20	19JUN07	18JUL07	Mar Plaza Upper Ext. / Exhaust Plenum #3 Wall
A3SC BL130	Manachi Sta Roof 5 to STA 187+67	15	29JUN07	23JUL07	Mariachi Sta Roof 5 to STA'187+67
A3SC BL105	Mar Plaza Landing Slab / Roof 16-t3 / Exhaust #3	20	19JUL07	16AUG07	Mar Plaza Landing Slab / Roof 16-13 / Exhaust #3
A3SC BL135	Mar Roof STA 187+67 to 1 / V. Shaft & Exit. #1	15	24JUL07	14AUG07	Mar Root STA 187+67 to 1 / V. Shaft & Exit. #1
A3SC BL140	Mariachi Emergency V. Shaft / Ext #1 Upper Wall	15	15AUG07	06SEP07	Mariachi Emergency V. Shaft / Ext #1 Upper Wall
ASSC BL160	Mariachi Sta Ptaza / Exhaust #3 Ext. Upper Wall	20	17AUG07	17SEP07	Mariachi Sta Plaza / Exhaust #3 Ext. Upper Wall
A3SC BL170	Elevator/Skylight Shaft/F.A.I. #3 / Exhaust Wall	20	18SEP07	16OCT07	Elevator/Skylight Shaft/F.A.L. #3 / Exhaust Wall
A3SC BL175	Mariachi Sta Emergency V. Shaft #3 Walt	15	17OCT07	06NOV07	Mariachi Sta Emergency V. Shaft #3 Wall
A3SC BL210	Mariachi Sta Platform Walls 11 to 2	15	22OCT07	OBNOV07	Mariachi Sta Platform Walls 11 to 2
A3SC BL180	Mariachi Sta Plaza Sloping Roof and Top Roof	15	07NOV07	29NOV07	Mariachi Sta Plaza Sloping Roof and Top Roof
A3SC BL215	Mariachi Sta Platform Slab 11 to 2	20	12NOV07	12DEC07	Hariachi Sta Platform Slab 11 to 2
A3SC BL230	Mariachi Sta Stairway #3 & 4	15	13DEC07	09JAN08	Mariachi Sta Stairway #3 & 4
Architellinie Inne	Pit immeLevel)				
A3ARC8W005	INSTL Platform Metal Ceiling (MW)	30	07SEP07	19OCT07	WinsTi, Platform Metal Cetting (MW)
Archi /Finishes	(Mezzanice Level)				
A3ARCBW050	INSTL Mezzanine Floor Pavement/Stair (MW)	20	11JAN08	15FE808	MNSTL Mezzanine Floor Pavement/Stair (MW
A3ARCBW060	INSTL Doors/Hand Raits/Painting-Mezzanine (MW)	20	18FE808	25MAR08	INSTL Doors/Hand Ralis Painting-Mezzanine (MW)
A3ARCEW065	INSTL Furnishing/Signs-Mezzanine (MW)	20	27FEB08	03APR08	INSTL Furnishing/Signs-Mezzanine (MW)
- second and the second s	Phone International Emergency Edg				
A3ARC8W075	INSTL Canopy Structure Steel-Plaza (MW)	15	17DEC07	14JAN08	INSTL Canopy Structure Steel-Plaza (MW)
Dale h Dale	02JUN02 15JUL00 Progress Ba	M70*		Gold Line Ea	Shee: 1 of 3 tside Extension Date Revision Chudend Aperoved
Date Dele C Primavera S	28FEB07 14:02			T-26 Critical Pr rrent Forecast	

PROJECT MASTER SCHEDULE

**CRITICAL PATH (1 of 3)** 

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# PROJECT MASTER SCHEDULE CRITICAL PATH (2 of 3)

Activity	Activity Description	Rem	Early Start	Earty Finish	3865
EscricalLigh				1	
	Erec Finish (Fixtures/Switches/Switch Panel) MW	160	04APR05	01DEC08	Erec. Finish (Fixture Switches/Switch Panel)
Installation / F					
	Corrosion Test	2	02DEC08	03DEC08	Convanion Test
	riachi Plaza Station Area for MS1		=e		P
	Preparation Punch List Manachi Sta for MS#1	20	0206008	06JAN09	reparation Punch List Mariachi Sta for MS#1
Traction Powe					
General	( dyston	_	-		
Procurement					
A3TP PP055	TP-03 - Deliver Substation Equipment	10	27.JAN08	ONFEROS	TP-03 - Deliver Substation Equipment
8	Station TPS-03	-		-	
Construction		-	-	-	
ASTP P3030	TP-03 Construct Foundations/Fence	15	80MALEO	05FEB08	TP-03 Construct Foundations/Fence
ASTP P3040	TP-03 - INSTL TP Equipment	10		22FEB08	TP-03 - INSTL TP Equipment
ASTP P3040	INSTL Emergency Generator	20		02APR08	MINSTL Emergency Generator
ASTP P3050	TP-03 Install Cable at Siterto Guideway		26JUN08	18,1,1,08	THE install Cable at Site/to Guideway
Traction Power		1.0	20001100	1000000	
	Construction	-		-	
Construction A3TP P3075	INSTL Tunnel Feeder (Soto to EP)	80	03APR08	25,7UN08	INSTLITUNNEL Feeder (Soto to EP)
	INASTE TURNOR (Setter to etc.)	00	0010 1000	2000100	
Testing	the state of the s	_		-	
Overhead Cont					
Punctional / In BBST780	tegration Tests OCS Tension Sec 4 - Functional Test	4.8.1	21JUL08	12AUG08	Call Tension Sec 4 - Functional Testa
		10	210000		
OCS Electrical BBST960	OCS - Electrical Tes:	40	1SALIGOB	1000008	CCS - Electrical Test
			10-000	1000100	and the second
Integration Tes		-	_		
Clearance Em	OCS Clearance Test Low and high Speed	10	1300708	2400108	DCS Clearance Test Low and high Speed
Integration Te:		14	1000100	2100100	
BBSTP1091	Train Control Cab Signal Reception Test	2	2700008	2800008	Train Control Cab Signal Reception Test
BBSTP1000	Emergency Ventilation Test/EMP Mariachi	5		310CT08	Emergency Ventilation Test/EMP Mariachil
BBSTP1000	Grade Crossing Activation	5		04NOV08	Grade Crossing Activatio
BBSTP1001	Emergency Ventilation Test/EMP Solo	5		07NOV08	Emergency Ventilation Test/EMP Soto
BESTPICOT	TWC Operation test	5		11NOV08	TWC Operation test
BBSTP1002	Booster Fans/EMP Integration Test	5	10NOV08	14NOV08	Booster Fans/EMP Integration Test
BBSTP1002	Safe Braking test	10		25NOV08	Safe Braking tost
BBSTP1011	Emerg Vent Oper Procedures(EVOP)/EMP Mariachi	2		18NOV08	Emerg Vent Oper Procedures(EVOP)/EMP Mariachi
989TP1012	Emerg Vent Oper Procedures(EVOPVEMP Sato	2		20NOV08	Empro Vent Oper Procedures(EVOP/EMP Soto
BBSTP1013	Emerg Vent Oper Procedures(EVOP/EMP EP		21NOV08	24NOV08	Emany Vent Oper Procedures(EVOPVEMP EP
BBSTP1075	Gas Detection Ind EGOP		21NOV08	01DEC08	Gas Detection Incl EGC
BBSTP1095	Train Control Test		26NOV08	19DEC08	Train Control Test
rt Dete		1N70	1		Shoe: 2 of 3
igh Date	15JLA09	ar			stside Extension Dete Revision Chocked Approved OIFEB07 January 2007 Schedule Update AA
ta Date	29FEB07 14-02	-			ath Schedule
	Systems, Inc.		Ci	Iment Foreca	t January 2007

#### January 2007

#### **CRITICAL PATH (3 of 3)** Arrival PA Test HII - Gas Detection Revenue Operations Date Checker 1 5 Tatio Pre-revenue Operations PH 8 - Train Routing from ROC PH II - Fire Alarm Control Panel (FACP) Test Mile Stone #1 Contract Completion [1652 CD) PH II - Train Arrivai PA Team Remote Sprinkler Flow Test Remote Smoke Detector Test PH II - Train Control tes Fire Alarm Control Panel (FACP) Tes terrote Valve Positioning Ter **Revision** January 2007 State Circado Olfendo Sheet 3 of 3 1 Metro Gold Line Eastside Extension LT-26 Critical Path Schedule Current Forecast January 2007 Į 15.KL09 11DEC08 12DEC08 15DEC08 16DEC08 22DECOB OSJANOB 29DEC06 07JAN09 141000 07JANCS BONNT 10 03DEC06 Early 04DEC08 12DEC08 15DEC08 16DEC08 22DEC08 24DEC08 07JANDO 02DEC08 17DEC08 3005008 06JAN09 Starty 34 õ 0 Per Per Activity Progress Bar Early Bar Critical Mile Stone #1 Contract Completion (1652 CD) PH II - Fire Alarm Control Panel (FACP) Test Fire Alarm Control Panel (FACP) Test Activity Description Remote Valve Positioning Test PH II - Train Routing from ROC Remote Smoke Detector Test PH H - Train Arrival PA Test Remote Spnnkler Flow Test Revenue Operations Date PH II - Train Control test Pre-revenue Operations PH II - Gas Detection Train Arrival PA Test MTA Startup Operations (Metro) 02JUN02 15JUL09 01FEB07 26FEB07 14:02 NS. Inc. Metro Startup Operations Run Date C Primavera Systems. MTA Startup Operations MTCC216 Pre-reve Startup Operatives Integration Test BBSTP1076 BBSTP1085 BBSTP1086 **BBSTP1068 BBSTP1082 BBSTP1087** BBSTP1096 **BBSTP1089** BBSTP1097 A1MS 0001 Activity BBSTP1081 MTCC230 Milestone <u>0</u> General erteral Start Date Finagh Date Data Date

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

## **CRITICAL PATH NARRATIVE & PROJECT STATUS**

With the Earth Pressure Boring Machines (EPBMs) dismantled and removed from the tunnels through the East Portal and the removal of the tunneling ancillary equipment from Boyle Heights/Mariachi Plaza Station, the current critical phase is the clean-up of the Boyle Heights/Mariachi Plaza Station in anticipation of concrete placement of the last section of invert slab and exterior walls at track level. The contractor is reporting their overall progress to be nine days behind schedule as a result of longer than anticipated time in dismantling and removing the EPBMs. Metro feels that opportunities will be available in follow-on activities to make up for the lost time. Metro remains confident that the time lost in the schedule can be mitigated without impacting the Revenue Operations Date.

After concrete invert slab placement at the last invert section of the Boyle Heights/Mariachi Plaza Station, the project critical path becomes the construction of underground stations. System equipment installation such as 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.

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## **CRITICAL PATH NARRATIVE & PROJECT STATUS**

#### **Current Critical Path Analysis**

#### Design

During this period, the 100% design package for Indiana Station was reviewed and approved as well as the AFC design package for Traction Power Supply. The Communications AFC design package was reviewed and rejected. Also, submitted for review this period was the 100% design package for Union Station Temporary Baggage Handling Road. The following facility design packages and the system design packages are in progress:

- Facility Design Packages:
  - 1. Segments 3A, 3B Approved for Construction (AFC) civil designs,
  - 2. Indiana Station AFC design,
  - 3. Guideway/Trackwork AFC civil design,
  - 4. Segment 4B 100% civil design, and
  - 5. Segment 3C 100% electrical design.
- System Design Packages:
  - 1. Overhead Contact System AFC design,
  - 2. Train Control System 100% design, and
  - 3. Communications AFC design re-submittal.

The Los Angeles Unified School District (LAUSD) Board authorized the new funding plan for the project in early January 2007. Metro and LAUSD staffs are currently in the process of preparing an amendment to the escrow documents necessary for execution of the Land Exchange Agreement, February 15, 2007, escrow closing date. Also, Metro continues with the process to receive a "No Further Action" finding from the Department of Toxic Substances Control, as required prior to LAUSD receiving possession of the Alma properties and finalizing the Land Exchange Agreement.

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## **CRITICAL PATH NARRATIVE & PROJECT STATUS**

#### Construction

Underground construction is proceeding per plan. The concrete structure for Crosspassage (CP) No. 1 was completed this period and the excavation of CP No. 2 was also completed. The tunneling contractor completed removal of the mining ancillary equipment from the Boyle Heights/Mariachi Plaza station thereby, allowing clean up of the tunnels east of the station and the start of concrete invert placement in the eastbound tunnel (350 feet to date).

At the Boyle Heights/Mariachi Plaza Station, construction crews this period started installation of the HDPE water protection and rebar placement for exterior walls at track level. Also, installation of soldier piles was completed for the station entrance in anticipation of station entrance excavation next period.

At the Soto Station, the mud slab was poured, construction crews started placing invert slab rebar, and electrical and plumbing embeds.

At the West Portal, removal of the earth berm between the portal and the Boyle Heights/Mariachi Plaza Station started this period.

At the East Portal, concrete pours on interior walls, with the exception of those between grid lines 1 and 2, were completed this period. Also, the shoring for roof placement started in the middle section.

At-grade construction is proceeding according to plan. Along Alameda Street (Segment 1), fabrication of concrete panels for the Mechanically Stabilized Earth (MSE) wall continues per schedule. When sufficient panels are fabricated, delivery to the site will be coordinated to begin the MSE walls erection. This is expected to occur late next period. The Cast In Place (CIP) wall construction is planned to start next period as well.

Along 1<sup>st</sup> Street between Alameda and Vignes Streets (Segment 2A), the installation on the north side of the street of a sewer line was stopped in order to complete the relocation of a DWP power line, which is expected to last through March 2007. There is no schedule impact foreseen. In a separate segment, also along 1<sup>st</sup> Street east of Los Angeles River (Segment 2B), the street widening on the south side of 1<sup>st</sup> Street is proceeding per plan. The demolition of the remaining building on the LAUSD property on 1<sup>st</sup> Street, between Mission and Clarence Streets, has resumed now that LAUSD was able to relocate a child-care facility to a nearby facility.

At the east end of the alignment along 3<sup>rd</sup> Street between Atlantic Boulevard and Mednik Street (Segment 7), the widening on the south side of the street is progressing per schedule. Also, west of Mednik Avenue (Segment 6), widening of the north side of 3<sup>rd</sup> Street was completed this period.

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## CRITICAL PATH NARRATIVE & PROJECT STATUS

Construction along 3<sup>rd</sup> Street, west of Eastern Avenue in Segment 5, continued according to plan. The construction of the U-channel started this period with demolition and excavation activities. The placement of mud mat and invert slab will follow next period. Also this period, preparations for setting up the rail welding shop are well under way in anticipation of first rail deliveries early in February 2007.

The 3<sup>rd</sup> Street overcrossing retrofit at the I-710 Freeway continues per schedule. This period, excavation of bridge foundation was completed as well as fabrication of CIDH pile rebar cages. Also, installation of CIDH piles at the bridge abutments began.

In other areas of the alignment, at-grade station construction continues according to plan. At the Little Tokyo/Arts District Station, the invert slab, concrete structure and walls for the Train Control and Communications (TC&C) room were completed. Also, the installation of the duct bank for fiber optics west of the TC&C room was completed this period. The start of construction of the Atlantic Station is forecast for next period.

The Caltrans contractor for the US-101 Freeway LRT Bridge Overcrossing Project (Contract C0802) completed bridge deck concrete placement of the bridge structure section closest to Alameda Street. The concrete curb of the same bridge structure section was poured as well. The Caltrans contractor also started removal of the false work underneath the eastern portion of the bridge next to Union Station.

Metro Operations has rescheduled the completion of the new fiber optics cable from the Rail Operations Control Center to the 7<sup>th</sup>/Metro Station for the end of June 2007. The fiber optics cable will provide the necessary links required by the project. The new completion date will not impact the project. The C0803 contractor continues coordinating with Metro staff for the testing of existing fiber optic connections and determining project assignments at Union Station for inclusion in the final systems design documents.

The fabrication and delivery of 50 light rail vehicles (LRV), Contract No. P2550, is well under way. Ten vehicles are required for the Metro Gold Line Eastside Extension Project. The first full production LRV was delivered to Metro on January 10, 2007. The current delivery schedule supports the project systems integration testing and pre-revenue phases.

The Universal Fare System (UFS) equipment fabrication will start in April 2007. Equipment fabrication is expected to take up to six months. The finished equipment will be stored at the vendor's facility until the equipment is required for installation.

## **PROJECT COST STATUS**

#### COST REPORT BY ELEMENT **ORIGINAL SCOPE ACTIVITIES**

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DOLLARS	N THOUSANDS		
ELE	DESCRIPTION	ORIGINAL	

ELE.	DESCRIPTION	ORIGINAL	CURRENT	BUDGET	COMMIT	MENTS	EXPEND	ITURES	CURRENT	FORECAST	BUDGET / FORECAST
MENT	DESCRIPTION	BUDGET	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	VARIANCE
C	CONSTRUCTION	633,221	-	662,391	113	643,775	10,898	336,899	-	662,391	-
S	SPECIAL CONDITIONS	19,494	-	20,329	31	23,253	150	22,618	-	20,329	-
R	RIGHT-OF-WAY	40,358	-	41,742	-	46,182	-	39,901	-	41,742	-
Р	PROFESSIONAL SERVICES	135,304	-	135,936	-	118,086	1,380	100,951	-	135,936	-
PC	PROJECT CONTINGENCY	60,254	-	28,249	-	-	-	-	-	28,249	-
PR	PROJECT REVENUE	(4,617)	-	(4,633)	-	-	-	(44)	-	(4,633)	-
	SUBTOTAL	884,014	-	884,014	145	831,297	12,428	500,323	-	884,014	-
PF	PROJECT FINANCE COST	14,800	-	14,800	258	495	258	495	-	14,800	-
	TOTAL	898,814	-	898,814	403	831,791	12,687	500,818	-	898,814	
NOTE	: EXPENDITURES ARE CUMULATIVE	THROUGH D	ECEMBER 200	06							

## **PROJECT COST ANALYSIS**

#### **Original Budget**

The Full Funding Grant Agreement (FFGA) was adopted June 1, 2004 in the amount of \$898.8 million. The Original Budget reflects the adopted FFGA.

#### **Current Budget and Current Forecast**

The Current Budget and Forecast remains the same at \$898.8 million.

#### Commitments

The Commitments increased by a total of \$0.4 million this period. In the Construction element there was an increase of \$0.1 million due to executed modifications associated with Contract C0803 --Tunnel, Stations, Trackwork, and Systems. And in the Project Finance Cost element there was an increase of \$0.3 million that reflects an interest payment. Interest earned is received monthly and interest payments are made semi-annually. The \$831.8 million in Commitments to date represents 92.5% of the Original Budget.

#### Expenditures

Expenditures are cumulative through December 2006. The Expenditures increased by \$12.7 million this period primarily due to construction costs associated with Contract C0803 - Tunnel, Stations, Trackwork, and Systems. The December 2006 invoice for Contract C0803 in the amount of \$8.7 million was posted in the Metro's Financial Information System (FIS) on January 10, 2007 and will be reflected in the next reporting period. The \$500.8 million in Expenditures to date represents 55.7% of the Original Budget.

**Note:** The Commitments and Expenditures To Date amounts for Special Conditions are reported higher than the Current Budget and Current Forecast To Date amounts. Updates to the Current Budget and Current Forecast amounts for each project line element will be reflected in the March 2007 Quarterly Project Status Report, which will be inclusive of commitments to date and future commitments required for project completion.

## **PROJECT COST STATUS**

ELE-	DESCRIPTION	ORIGINAL	CURREN	FEUDGET	BUDGET COMMITMENTS		EXPEN	TURES	CURRENT	BUDGET I, FORECAST	
MENT	DESCRIPTION	BUDGET	··· PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TÓ DATE	VARIANCE
С	CONSTRUCTION	18,000	-	18,000	715	11,222	959	3,261	-	18,020	20
S	SPECIAL CONDITIONS	-	-	-	40	754	21	568	-	-	-
R	RIGHT-OF-WAY	-	-	-	-	-	-	-	-	-	-
Ρ	PROFESSIONAL SERVICES	-	-	-	-	646	10	56	-	-	-
PC	PROJECT CONTINGENCY	-	-	-	-	-	-	-	-	• •	-
PR	PROJECT REVENUE	-	-	-	-	(3,394)	-	-	-	(20)	(20
-	SUBTOTAL	18,000		18,000	755	9,227	<sup></sup> 990	3,884		18,000	
PF	PROJECT FINANCE COST	-	-	-	-	-	-	-		-	<u> </u>
· ,	TOTAL	18,000	- 22	18,000	755	9,227	÷ 990,	3,884		18,000	· ·

## **PROJECT COST ANALYSIS**

#### Original Budget

The Original Budget of \$18.0 million was adopted by the Metro Board on March 24, 2005.

#### **Current Budget and Current Forecast**

The Current Budget and Forecast remain the same at \$18.0 million.

#### Commitments

The Commitments increased by \$0.8 million this period due to an executed contract modification for construction of the reduced profile of the overhead contact system. The \$9.2 million in Commitments to date represents 51.3% of the Original Budget.

#### Expenditures

Expenditures are cumulative through December 2006. The Expenditures increased by \$1.0 million this period primarily due to work requested by the County of Los Angeles for corrugated metal pipe storm drain replacement on 3<sup>rd</sup> Street, irrigation system at Civic Center, and street improvements. The \$3.9 million in Expenditures to date represents 21.6% of the Original Budget.

#### FINANCIAL/GRANT STATUS - ORIGINAL SCOPE ACTIVITIES

								in \$ millions	
SOURCE	(A) ORIGINAL BUDGET	(B) TOTAL FUNDS	(C) TOTAL FUNDS		(D/B) IMENTS		(E/B) IDITURES	(F) BILLED TO SOURC	Έ
		ANTICIPATED	AVAILABLE	\$	%	s	%	\$	%
FEDERAL - SECTION 5309 NEW START	490.7	490.7	155.2	438.0	89%	247.5	50% (1)	247.5	50%
FED - SECTION 5309 FIXED GUIDEWAY	23.1	12.0	12.0	12.0	100%	12.0	100%	12.0	100%
FEDERAL - CMAQ	10.3	10.3	10.3	10.3	100%	10.3	1 <b>0</b> 0%	<sup>·</sup> 10.3	1 <b>0</b> 0%
REGIONAL IMPROVEMENT PROG - FED	179.6	4.6	4.6	4.6	100%	4.6	100%	4.6	100%
REGIONAL IMP PROG - STATE	0.6	175.6	88.0	175.6	100%	88.0	50%	88.0	50%
STATE TCRP	45.0	45.0	45.0	45.0	100%	45.0	1 <b>0</b> 0%	45.0	100%
PROP A 35% / PROP C 40%	124.6	135,7	135.7	135.7	100%	82.8	61%	76.7	57%
LEASE REVENUES	10.1	10.1	10.1	10.1	1 <b>0</b> 0%	10.1	100%	10.1	<b>10</b> 0%
ACCRUALS									
SUB-TOTAL PROP A / PROP C (INTEREST COST)	884.0 14.8	884.0 14.8	460.9 2.0	831.3 0.5	94% 3%	500.3 0.5	57% 3%	494.2 (1.0)	56% -7%
TOTAL	898.8	898.8	462,9	831.8	93%	500.8	56%	493.2	55%

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH DECEMBER 2006. (1) BILLED EXPENDITURES IN EXCESS OF FUNDS AVAILABILITY ARE TEMPORARILY FUNDED THROUGH BRIDGE FINANCING.

#### STATUS OF FUNDS ANTICIPATED

FEDERAL SECTION 5309 NEW STARTS: LACMTA received an appropriation of \$59.5M for FY05 and an appropriation of \$78.4M for FY06. Funds have been drawn down.

RIP-STATE: LACMTA submitted a request for an AB 3090 reimbursement allocation of \$43.8M in STIP funds to the CTC for consideration at their September 2006 meeting. The request was approved on September 11, 2006 and funds have been drawn down.

STATE TCRP: On March 2005, LACMTA resubmitted a request for approval of a LONP for \$189.2M for Phase 4 (Construction) to the CTC for consideration at the May 2005 CTC Meeting. The CTC approved the LONP for \$166.9M and recently revised their guidelines to allow for partial LONP reimbursement prior to phase completion. LACMTA has requested to liquidate the LONP, with an allocation request of \$166.9M that was considered by the CTC at their September 2006 meeting. The allocation request was deferred to February 2007.

## FINANCIAL/GRANT STATUS CONCURRENT NON-FFGA PROJECT ACTIVITIES

#### JANUARY 2007

#### STATUS OF FUNDS BY SOURCE

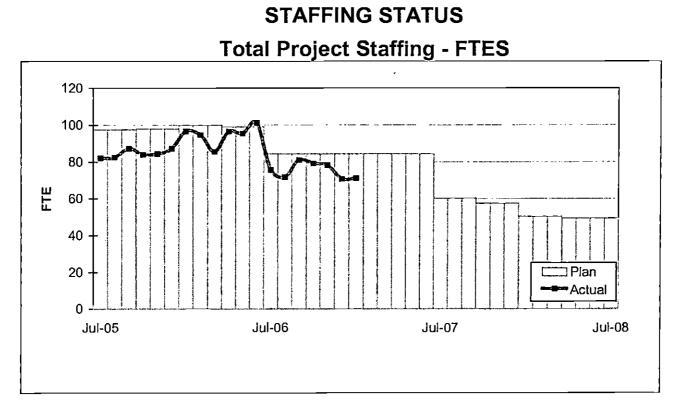
								in \$ millio	าร
	(A)	(B)	(C)	(D)	(D/B)	(E)	(E/B)	(F)	(F/B)
	ORIGINAL	TOTAL	TOTAL	COMMIT	MENTS	EXPENDI	TURES	BILLED to	FUNDING
SOURCE	BUDGET	FUNDS	FUNDS					SOURCE	
		ANTICIPATED	AVAILABLE	\$	%	\$	%	\$	%
		(1)							
PROP C 40%	14,0	14.0	14.0	4.9	35%	2.1	15%	1.9	14%
	14.0	14.0	14.0	4.5	00%	2.1	1376	1,5	1470
PROP C 10%	4.0	4.0	4.0						
STATE TCR	0.0	20,1	20.1	4.3	21%	1.8	9%	1.7	8%
TOTAL	18.0	38.1	38.1	9.2	24%	3.9	10%	3,5	9%

(1) The project current budget and forecast will be updated in the March 2007 Quarterly Project Status Report to reflect the recent Metro Board Receive and File Report.

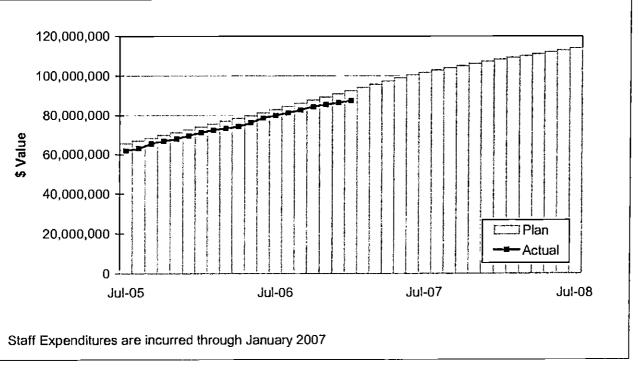
NOTE: EXPENDITURES ARE CUMULATIVE THROUGH DECEMBER 2006.

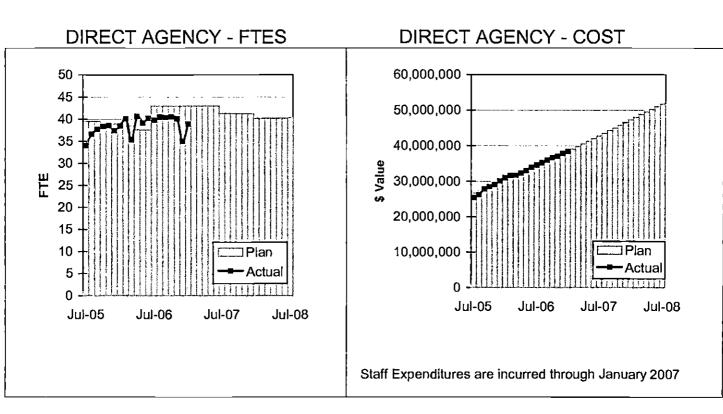
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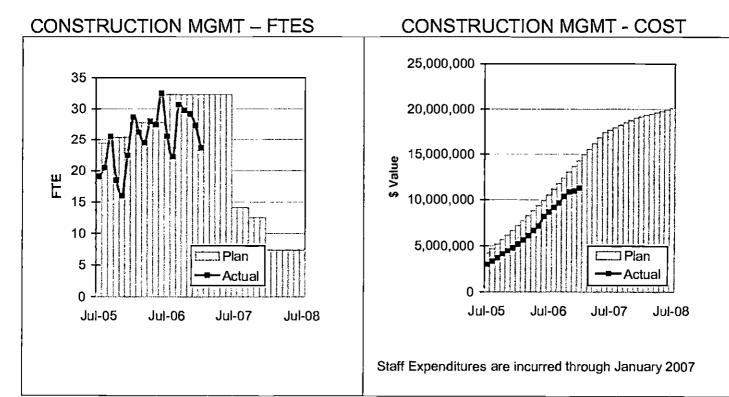
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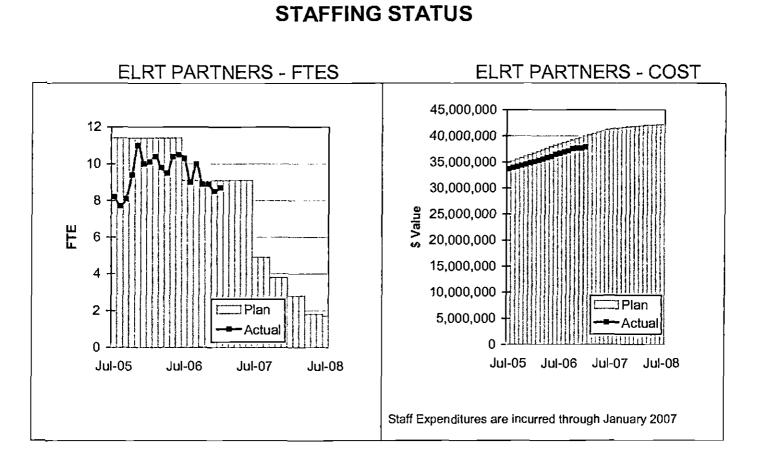
## STAFFING STATUS TOTAL PROJECT STAFFING COST







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#### **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 easement 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 69 property owners. A total of 68 parcels are available (40 under C0803-Tunnel, 26 under C0803-At-Grade, and 2 under C0802). All of the remaining properties for the Ramona High School reconfiguration have been acquired.
- 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 E	STAT <u>E AC</u>	QUISTIO	N SCHEDU	LE SUM	MARY		
				Behind	Schedule		
Number of					Avg.		
Parcels					Calendar		
	Required	Acquired	On Schedule	Number	Days		
This Period	69	68	1	0	0		
Last Period	69	68	1	0	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	40	0	0	0	0	40
C0803-At-Grade	27	26	1	0	0	0	26
C0802	2	2	0	0	0	0	2
TOTAL	69	68	1	0	0	0	68
LAST PERIOD	69	68	1	0	0	0	68

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## **ENVIRONMENTAL STATUS**

- Archeo/Paleo Associates continues to monitor excavation in the field.
- The Ad Hoc Subcommittee voted to have the remains reinterred at Evergreen Cemetery.
- Cogstone is in the process of making reproductions of the significant artifacts from the crematorium site for the Chinese Historical Society, the Chinese Benevolent Association and Metro for educational and research purposes.

## COMMUNITY RELATIONS STATUS

- Held project briefings for Executive Review Advisory Committee, Ad-Hoc Sub Committee and Elected Officials.
- Participated in the East Los Angeles Civic Center County Hall grand opening.
- Met with residents and business owners to coordinate construction activities.
- Distributed nine construction notices concerning street widening and restoration installation of MSC wall.

## QUALITY ASSURANCE STATUS

- Continued to review contractor's monthly Asphalt, Concrete Compressive Strength and Soils Compaction Reports.
- Results of field surveillance activities continue to be identified in Weekly Surveillance Reports.

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## SAFETY STATUS

- Participated in weekly progress meetings with Metro construction management and ELRTC management to discuss safety related issues and construction schedule.
- Conducted Safety Orientation training for Third Party personnel.
- Conducted All Hands Safety Meeting with ELRTC's safety personnel, Metro Transit Security, LAPD and LA fire representatives.
- Monitored construction activities on a daily basis to ensure safety compliance with contract specifications.
- ELRTC reported one (1) recordable incident and 70,646 work hours for the month of January 2007. Project to date work hours are 1,577,247 with a total of 18 recordable incidents to date. Statistical rate for recordable incidents is 2.2 below the National Average of 5.6.

## **ART DEVELOPMENT STATUS**

Indiana Station

• AFC document reviewed and commented.

East LA/Civic Center Station

• IFC document reviewed and commented.

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## THIRD PARTY AGREEMENT STATUS

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Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
City of Los Angeles	Amendment	Completed	N/A	Executed December 2002.
Los Angeles County	Master	Completed	N/A	Executed April 2003.
Caltrans (All Projects)	Master	Completed	N/A	Executed July 2003.
Caltrans (101)	Design	Completed	N/A	Executed July 2003.
Caltrans (101)	Construction	Completed	N/A	Executed September 2003.
Caltrans (101)	Maintenance	12/08	Project Completion	The initial negotiation meeting was held on 1/9/03. LACMTA received a draft from Caltrans on 1/22/04. LACMTA reviewed and submitted the agreement to Caltrans on 2/10/04. A follow up call was made on 10/20/05 but no response to date.
LADWP (Water/Power)	Amendment	2/07	*6/04	LACMTA Management, County Counsel, and LACMTA Board staff have participated in meetings with DWP to complete negotiations, since the "Deadline and Delay" clause is not acceptable to LADWP. Alternative language was forwarded to LACMTA Management and County Counsel for review on 10/7/05. LACMTA CEO is drafting negotiating position to speak with LADWP CEO.
So. Cal. Edison Co.	Amendment	N/A	N/A	SCE Executive Legal Branch stated on 2/25/05 they have no intention of signing agreement.
The Gas Company	Amendment	Completed	N/A	Executed May 2005.
SBC	Amendment	Completed		Executed May 2005.
Adelphia Cable Company	Amendment	2/07	*6/04	LACMTA received a draft from Adelphia for review. LACMTA Management and County Counsel reviewed the amendment and returned the document to Adelphia with comments. Adelphia's Legal Department is reviewing the document and follow-up calls were made on 10/20/05 and 11/16/05.
Calif Wtr Service Co	Master	Completed	N/A	Executed May 2005.
L.A. County Sanitation Districts	N/A	N/A	N/A	In a letter dated 3/26/03, the Sanitation District stated that there is not a need for an agreement since there are no relocations related to their facilities. The Sanitation District will review submittals related to encasements of their facilities on Indiana Street.
MCI Worldcom	Amendment	Completed	N/A	Executed May 2005.
Metropolitan Wtr Dist	Amendment	Completed	N/A	Executed May 2003.

## THIRD PARTY AGREEMENT STATUS (Continued)

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
Verizon Wireless	Amendment	2/07	*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 did respond with comments, which were reflected in a revised agreement sent 4/05. Verizon legal is completing final review. Follow up calls were made on 10/20/05 and 11/16/05. Verizon has now joined MCI and once the legal work is complete in late February 2006, LACMTA may be able to use the MCI Agreement for Verizon work. E-mailed MCI Agreement to Verizon Representative for consideration as overall agreement covering Verizon and MCI as the new Verizon.
AT&T Local Services	Amendment	2/07	*6/04	LACMTA County Counsel reviewed the existing agreement and recommended revisions. A revised amendment was sent to AT&T. AT&T Legal is completing final review for execution. Follow up calls were made on 10/20/05 and 11/16/05. Since AT&T and SBC have joined AT&T was asked if they could adopt SBC Agreement on 11/16/05. No response to date. AT&T has now joined SBC and when all legal transactions are complete in March 2006, LACMTA may be able to use SBC Agreement for AT&T work. E-mailed the SBC Agreement to the AT&T legal counsel for consideration as the overall agreement covering the new AT&T.
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 Kinder Morgan	N/A 			Facilities are not impacted by Eastside Construction Facilities are not impacted by Eastside
Pipeline Company Tosco Refining	N/A			Construction Facilities are not impacted by Eastside
Company Equilon Pipeline	N/A			Construction Facilities are not impacted by Eastside
Company				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

\* Work will be performed 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
; († -	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	Approved
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	Approved
î, 9î,	Complete	1/20/03	1/29/03	3/31/03	11/22/02	8/29/03	9/12/2003	Approved
.iii, 10	Complete	.12/11/03	12/18/02	- 3/10/03	∋°11/22/02	🗇 5/5/03 🖄	s 8/29/2003	Approved 🍐 🕺
(11 ~ ∽	Complete	2/13/03	2/27/03	4/18/03	<b>12/6/02</b>	6/6/03	· 8/29/2003	Approved 👘 👘 👘
~ 12.	Complete -	· * 12/13/03 ·	2/27/03	4/18/03 🗇	12/13/02	6/6/03	9/5/2003	Table Approved
13 -	Complete	2/6/03	2/20/03	4/18/03 👋	2/21/03	~ 6/6/03 «	9/1/2004	Approved
<sup>2</sup> 14	Complete	1/8/03	· 1/15/03	3/14/03	11/12/02	8/29/03	10/30/2003	Approved *
in 15	Complete	2/26/03	N/A	N/A	2/21/03	6/6/03	8/29/2003	Approved
<u> </u>	Complete	2/26/03	_	'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
<u>č</u> -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

All applications are approved.

			Batch Descriptions	
1	1st / Alameda	10	3rd / Ford	
2	Alameda / Temple		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	
		15	1st / Santa Fe	
7	3rd / Rowan		1st / Myers	
8	3rd / Gage	16	1st / MTA	
	3rd / 60 Fwy WB Ramps		1st / BNSF	
	3rd /Downey		1st / Union Pacific	

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## **CONTRACT C0802 STATUS**

Description: 101 Freeway Contractor: Brutoco Eng		Contract No. Status as of:		ary 2, 2(	007		
Progress/Work Complete	d:	Major Activiti	es (In F	rogres	s):		
<ul> <li>* Removal of remaining false work un Station)</li> <li>* Installed rebar and deck forms at Br street)</li> <li>* Poured deck concrete at Bridge 3</li> <li>* Poured concrete for curbs at Bridge</li> <li>* Installed bearing pad at hinge 5A bear</li> </ul>	<ul> <li>* Removal of false work under Bridge 2 (middle section)</li> <li>* Strip outside girder and overhang at Bridge 3</li> <li>* Fabrication of bridge metal handrail</li> </ul>						
		Major Activiti	es Nex	t Period	d:		
Areas of Concern:		* Install joint seal as * Remove false wor * Dry finish Bridge * Complete bridge n * Install bridge meta * Turn-over Bridge t	k under Bi netal hand Il handrail	-	tion		
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	o
Notice to Proceed:	09/22/04	Milestone 1 - Complete Abutment No. 10	06/26/06	49	08/14/06	02/23/07	-193
Original Contract Duration: Current Contract Duration:	700 CD 775 CD	Mitestone 2- Complete All Work Without Plant Establishment	08/23/06	75	11/06/06	04/20/07	-165
Elapsed Time from NTP:	863 CD						
Physical Percent Comple	 te:	Cost Summar	у: 		\$1	n millic	ons
Physical completion * as of this report	ting period is: 97.64%	1. Award Value:				6.42	
		2. Executed Modifi	cations;			0.00	
* Note: Physical completion assessme	3. Approved Change Orders: 0.00						
and invoice amount shown in Caltra Expense Report No. 28.	ns Monthly Progress/	<ol> <li>Current Contrac</li> <li>Incurred Cost:</li> </ol>	t Value (1·	+2+3):		6.42 5.82	

600.45

2.57

0.09

603.11

334.65

#### CONTRACT C0803 STATUS **Description: Tunnel, Stations, Trackwork &** Contract No. C0803 Systems **Contractor: Eastside LRT Constructors** Status as of: February 2, 2007 Major Activities (In Progress): Progress/Work Completed: \* Invert slab rebar placement & concrete pours at both tunnels \* Invert concrete slab at CP No. 2 and excavation at CP No. 3 \* Completed dismantling and removal of EPBMs from the tunnels at \* Roof shoring placement at the East Portal the East Portal \* Mariachi Plaza Stn. exterior walls rebar placement @ track level \* Removed tunnel mining ancillary equipment from Mariachi Plaza \* Rebar placement at Soto Station entrance bottom slab Station \* MSE wall concrete panel fabrication \* Poured 350 feet of concrete for EB tunnel invert slab, east of \* Little Tokyo/Arts District Station construction Mariachi Plaza Station \* Completed Cross Passage (CP) No. 1 concrete structure \* Street widening (south side) - Segments 2B, 6 and 7 \* Install sewer line 1st St. between Lorena & Indiana Streets \* Completed East Portal interior walls - except between GL 1 & 2 \* 3rd Street & 710 Freeway overcrossing foundation CIDH piles \* Completed installing soldier piles at Mariachi Plaza Stn. entrance \* U-channel excavation between Downey Rd. & Mariana Av. \* Completed TC&C room structure at Little Tokyo/Arts District Station \* 100% design packages for Segments 3C (electr) and 4B (civil), \* Completed duct bank placement at Little Tokyo/Arts District Station and for Train Control System \* Completed Segment 6 street widening (north side only) \* Completed street demolition for Atlantic Station construction start \* AFC design packages for Guideway/Trackwork, Overhead Contact System, Segments 3A&3B (civil) and Communications \* Completed review 100% design package for Indiana Station \* Submitted for review 100% design package for Union Station Major Activities Next Period: temporary baggage handling road \* Placement of invert concrete slab at both tunnels Completed review AFC packages for Communications and \* Complete Cross Passage Nos. 2 & 3 invert, walls and crown Traction Power Supply \* Mariachi Plaza Stn. exterior wall concrete pours @ track level \* Concrete pour for Soto Station entrance bottom slab \* Install platform walls and deck at Little Tokyo/Arts District Station Areas of Concern: \* Segments 2A & 2B-1st Street widening & water line (north side) \* U-channel construction between Downey Rd. & Mariana Av. \* 3rd Street&710 Freeway overcrossing-abutment & bent footings None Atlantic Station excavation and TC&C room concrete bottom slab \* Segments 6 & 7 - 3rd Street widening (south side only) \* Turn-over 101 Freeway bridge by Union Station to contractor Original Time Current Variance Schedule Summary: Forecast Contract Extension Contract CDs Dates 06/01/04 07/01/04 ٥ 07/01/04 07/01/04 ۵ Notice to Proceed Date of Award: Milestone 1 - Contract Notice to Proceed: 07/01/04 Completion. Complete all systems integration 7 01/07/09 12/31/08 01/07/09 0 testing and ready for 1795 CD **Original Contract Duration:** MTA's pre-revenue Current Contract Duration: 1800 CD operation testing. Milestone 3 - Complete 947 CD Elapsed Time from NTP: Universal Fare System 04/30/08 5 05/05/08 05/05/08 n Equipment area. Milestone 5 - Vacate all Option D Contract duration 90 CD Complete 05/30/09 5 06/04/09 06/04/09 0 staging areas and turn over to MTA. Milestone 6 - Complete 0 0 09/28/04 09/28/04 09/28/04 design and construction of Option D work. \$ In millions **Physical Percent Complete:** Cost Summary:

Physical completion \* as of this reporting period is: 44.83%

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

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1. Award Value:

5. Incurred Cost:

Executed Modifications:
 Approved Change Orders:

4. Current Contract Value (1+2+3):

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## CONTRACT E700051F STATUS

Description: 1st Street Bridge Strengthening Contractor: The Griffith Company	Contract No. E700051F Status as of: February 2, 2007						
Progress/Work Completed: * Awarded Contract * Held construction kick-off meeting	Major Activities (In Progress): <ul> <li>Processing contractor bonding and insurance</li> <li>Preparation of demolition plan</li> <li>Preparation of Railroads right of way work plan</li> </ul>						
Areas of Concern: • The contractor needs to obtain a "Right of Entry" authorization from the Railroads as required by the Construction & Maintenance Agreements prior to any physical construction.	Major Activiti * Notice to Proceed * Mobilization * Begin processing			1:			
Schedule Summary:		Original Contract Dates	Time Extension	Current Contract	Forecast	Variance COs	
Date of Award:01/19/07Notice to Proceed:02/06/07 (anticipated)	Notice to Proceed	02/09/07	O	02/06/07	02/06/07	0	
Original Contract Duration:224 CDCurrent Contract Duration:224 CD	Milestone 1 - Substantial Completion	09/24/07	0	09/18/07	09/18/07	0	
Elapsed Time from NTP:     0 CD       Physical Percent Complete:       Physical completion as of this reporting period is:     0.00%	2. Executed Modifications:03. Approved Change Orders:04. Current Contract Value (1+2+3):0					<b>lions</b> .26 .00 .00 .26 .00	

## **CONTRACT P2550 STATUS**

Description: 2550 Rail Vehi	Contract No. P2550						
Contractor: Ansaldobred	Status as of: February 2, 2007						
<ul> <li>Progress/Work Completed:</li> <li>1. Vehicle coupled Testing continued for the two (early delivery) 2550 LRV's. The two coupled LRV's continue to be tested successfully on the Green Line and Blue Line. When complete they will be transported to the Pittsburg final assembly plant for upgrade to production configuration.</li> <li>2. The Contractor's Pittsburg, California plant has received sixteen carshells (eight "A" &amp; eight "B") shipped from Pistoia, Italy. Vehicle final assembly work is in process. The 9th shipment arrived in Houston Dec. 27, 2006. Shipments of the required final assembly parts continue to arrive in Pittsburg.</li> <li>3.LRV shipment No. 9 arrived in Pittsburg on Jan. 11, 2007.</li> <li>4. LRV Production delivery arrived at L.A. Metro Jan. 10, 2007.</li> <li>Areas of Concern:</li> <li>1. The lack of documentation submittals is Improving. Metro approvals are pending for the submittals received.</li> <li>2. Metro's contract cash flow consumption is less than anticipated. Staff additions at AB are starting to bring consumption up to date.</li> <li>3. In accordance with the latest Ansaldobreda unapproved "worst case" schedule, car shell deliveries to Pittsburg are arriving monthly. The "worst case" schedule offered by AB has not been approved.</li> <li>4. Ansaldobreda has notified Metro that it will being to utilize American flagships for cartage in order to comply with Metro Contract direction.</li> </ul>		Major Activities 1. Ansaldobreda's ma continue to prepare c: their Pittsburg, Califo 2. Ansaldobreda is ter in Los Angeles. 3. The Metro-initiated successfully complete Major Activities 1. LRV "prototype" wi 2.The IPT continues t 3. Weekly teleconferd 4. Shipments of car a continue. 5 AB engineering sta support of LRV final a 6. Additional LRV Pro Feb. 2007.	nufacturin arshells ar mia plant, sting the "r Interim "B d. Next Pe I be sent t o closely r ences coni und system off in Los A ssembly a	g plants in d subasse prototype" uy Americ eriod: o Pittsburg nonitor all linue to mo n compone Angeles for nd deliven	ERVs in cr a" due dilly a, CA for re scheduled onitor prod ents to the r long term y to Metro.	final asse pupled ope gence audi e-manufact activities. uction issu Pittsburg p assignme	rations it was ture. Jant nts in
Notification pending actual demonstr	ated activity.		Original Contract Oates	Assembled	Current Contract	Balance Oue	
Schedule Summary:		Notice to Proceed	6/6/2003A				
Date of Award: Notice to Proceed:	04/24/03 06/06/03	100 LRV Roofs Assemblies (A&B)		85	100 Roofs	15 roofs	
Original Contract Duration:	1470 CD	100 LRV Underfloor Assemblies (A&B)		91	100 U/F	9 U/F	
Current Contract Duration: Elapsed Time from NTP:	2075 CD 1337 CD	100 LRV U/F Center Sections (A&B)		99	100 U/F CC	1 U/F CC	
		100 Side Wall Sets (A&B)		77	100 SW	23 SW	
<b>.</b>		150 Truck Assemblies		55	150 TA	95 TA	
Note: MTA issued Modification No. 1 1 is a zero-cost, miscellaneous admi modification. MTA completed Modifi	nistrative and lechnical clarification	LRVs Oelivered to Final Assembly Facility		8	50 L.R.V	42 LRV	
recently granted California Board Of Sales Tax on the Light Rail Vehicles.		LRV Delivered to Commissioning Sile- LACMTA		1	50 LRV	49 LRV	
MTA and Ansaldobreda agreed to Mo Option One ordering period from Apr March 14, 2006.		LRV Accepted for Revenue Service by LACMTA		0	50 LRV	50 LRV	
Physical Percent Comple	te:	Cost Summary	/:		\$1	n millio	ns
Physical Work completion* as of	November 2006 is 79.75%	1. Award Value: Pasadena (Proj. Eastside Ext. (Pr		•		126.99 31.75	
Percent Work Product Invoiced** thro	2 Evented Medified	ions	Total Awa	ard Value	158.74 0,00		
* Note: Physical Work completion completed and work in progress.	2 Executed Modificat 3 Approved Change 4 Current Contract V 5 Payments or invoid	Orders: alue (1 + 2	-		0.00 0.00 158.74 56.94		
**Reflects percent of Contract pri	ce invoiced and paid to date		com piùc			JU.34	

#### **CONSTRUCTION PHOTOGRAPHS**



Street widening at 3<sup>rd</sup> Street and La Verne Avenue.



Site preparation for the Atlantic Station.

## **CONSTRUCTION PHOTOGRAPHS**



Placement of station platform forms for the Little Tokyo/Arts District Station.



Little Tokyo/Arts District Station foundation work.

## **CONSTRUCTION PHOTOGRAPHS**

Delivery of trackwork to the rail welding facility.

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## 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 the LACMTA's Accounting department for contractor or consultant invoices, third party invoices, staff salaries, and closing payments for escrow accounts that is reported in the 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 (LACMTA 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.

## January 2007

## APPENDIX

## LIST OF ACRONYMS

	AFE ATC CADD CALTRANS	Authorization For Expenditure Automatic Train Control Computer Aided Drafting and Design California Department of Transportation
	CD	Calendar Day
	CM	Construction Manager
	CMAQ	Congestion Mitigation Air Quality
	CN	Change Notice
	CO	Change Order
	CNFPA	Concurrent Non-FFGA Project Activities
	CPM	Critical Path Method
	CPUC	California Public Utilities Commission
	CR CTC	Camera Ready
	CUD	California Transportation Commission 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 FEIS	Final Design 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 LA	Joint Venture
	LABOE	Los Angeles Los Angeles Bureau of Engineering
	LACFCD	Los Angeles Buleau of Engineering Los Angeles County Flood Control District
	LACMTA	Los Angeles County Netropolitan Transportation Authority
	LADOT	Los Angeles Department of Transportation
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## **APPENDIX**

## LIST OF ACRONYMS (Continued)

LADPW LADWP LAUSD LNTP LONP LRT LRV MIS MPSR N/A NEPA NPDES NTE NTP OCIP P3 PC PE PEER PGL PIP PM PMA PMIP PMA PMIP PMA PMIP PMA PMIP PMA PMIP PMA PMP PAP PR PSR QA QAR QC QPSR RAC RAG RFC RFP ROD	Los Angeles Department of Public Works Los Angeles Unified School District Limited Notice To Proceed Letter Of No Prejudice Light Rail Transit Long Range Transportation Plan Light Rail Vehicle Major Investment Study Monthly Project Status Report Not Applicable National Environmental Protection Act National Pollution Discharge Elimination System Not to Exceed Notice To Proceed Owner-Controlled Insurance Program Primavera Project Planner® (scheduling software) Project Control Preliminary Engineering Permit Engineering Evaluation Report Pasadena Gold Line Project Implementation Plan Project Manager Project Management Assistance Project Management Oversight Consultant Project Management Plan (manual) Policies & Procedures Project Report Project Study Report Quality Assurance Quality Assurance Report Review Advisory Committee Rail Activation Group Request For Change Request For Proposal Record Of Decision
RFC	Request For Change
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ROD	Record Of Decision Revenue Operations Date
ROM	Rough Order of Magnitude

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### **APPENDIX**

## LIST OF ACRONYMS (Continued)

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	ROW SCAQMD SCE SCRRA SHA SHPO SIT SOV SOW SP STIP STP TBD TBM TCRP TPSS TRACS UFS USDOT VE WBS WP	Right-Of-Way Southern California Air Quality Management District Southern California Edison Southern California Regional Rail Authority State Highway Account State Historic Preservation Office System Integration Testing Schedule Of Value Statement Of Work Special Provision State Transportation Improvement Program Surface Transportation Program To Be Determined Tunnel Boring Machine Traffic Congestion Relief Program Traction Power Substation Transit Automatic Control System Universal Fare System U.S. Department Of Transportation Value Engineering Work Breakdown Structure Work Package
- 1		