

August 2007

# Metro Gold Line Eastside Extension



# **METRO GOLD LINE EASTSIDE EXTENSION**

## **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.

**AUGUST 2007**

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## **PROJECT OVERVIEW & STATUS**

*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 period, the Approved for Construction (AFC) design package for Traction Power Substations foundation plans was reviewed and approved. The comment resolution on the Train Control and Communications design packages continues and approval to Issue for Construction (IFC) is anticipated next period. Also, Advanced Partial Unit Design AFC packages were submitted for review pertaining to Segments 3C and 4B. Segments 3A and 3B AFC design packages are also underway.

Procurement of the City of Los Angeles 1<sup>st</sup> Street Bridge Phase III Widening Project continued per the revised plan. The Right-of-Way Certification and the Construction Authorization were completed this period. The City plans to make bid documents available to bidders by mid-September 2007. The Phase III completion will not impact the construction of the project guideway/trackwork on the bridge.

Underground construction is proceeding per plan. The tunneling contractor this period completed installation of the wet-stand pipe and walkway handrails in both tunnels. At the tunnel cross passages, installation of plumbing and doors was completed as well. The tunneling contractor completed final clean-up in the tunnels and removed the mechanical workshop, ancillary equipment and field trailers from the site. All tunneling activities with the exception of punch list items are now complete.

At the Boyle Heights/Mariachi Plaza Station, construction crews completed the remaining mezzanine slab concrete pours and also completed the re-shoring system under the mezzanine concrete slab that will take the added load from upper exterior wall forms and roof shoring system. Removal of 3<sup>rd</sup> and 4<sup>th</sup> level struts and walers continued per plan and delivery of exterior wall forms at mezzanine level began this period. The station entrance excavation is progressing per schedule. Field crews completed installation of walers and struts at level one, thereby allowing excavation of level two.

At the Soto Station, field crews completed the remaining exterior wall concrete pours at the track level and started installation of rebar and forms for interior walls on the west end of the station. Preparation for the shoring of the mezzanine slab began this period. Construction of mezzanine walls at the station entrance is continuing per schedule. A section of the south exterior wall was poured and field crews continued installing rebar and forms on the remaining sections of the wall.

## **PROJECT OVERVIEW & STATUS**

At the West Portal, the extension to the exterior walls adjacent to the Boyle Heights/Mariachi Plaza Station was poured and construction crews completed the roof placement of rebar, embeds and forms, and poured the remaining roof concrete section.

At the East Portal, the tunneling contractor completed removal of construction equipment, tools and remaining materials. The crane above the portal hammerhead was disassembled and removed from the site. Construction of the last portal structural section began this period. Field crews excavated the sump pit and installed the invert slab HDPE water shield and poured the protection slab. Also, the installation of HDPE for exterior walls at the hammerhead began.

At-grade construction is proceeding according to plan. Along Alameda Street (Segment 1), installation of the Mechanically Stabilized Earth (MSE) wall continued. The fourth row of pre-cast panels was completed and the third lift of dirt compacted. Street improvements such as curb and gutter and stamped concrete continued at the following intersections: Alameda St. and Temple St., and Alameda St. and 1<sup>st</sup> Street.

Along 1<sup>st</sup> Street between Alameda and Vignes Streets (Segment 2A), construction of the guideway continued per schedule. Excavation to grade completed, as well as installation of OCS pole foundations and the fiber optics ductbank. In a separate segment, also along 1<sup>st</sup> Street east of Los Angeles River (Segment 2B), guideway construction was interrupted to allow for the removal of materials and prefabricated forms from the West Portal and the Boyle Heights/Mariachi Plaza Station. There is no impact to the schedule due to this interruption.

Construction along 3<sup>rd</sup> Street, between Eastern and Rowan Avenues in Segment 5, continued according to plan. Construction crews completed the rail track barrier walls on both sides of the u-channel and completed street widening on the south side of 3<sup>rd</sup> Street between Rowan and Hebert Avenues. Also this period, guideway construction started between Gage and Rowan Streets, where demolition was completed to grade and the installation of OCS pole foundations began. At the intersection of 3<sup>rd</sup> Street and Ditman Avenue work started on a contract modification to install a re-designed storm drain, which necessitated relocation of existing utilities by third parties.

Between Mednik and McDonnell Avenues (Segment 6), guideway construction also continued per plan. Field crews completed installing embedded rail and poured concrete plinth on the east bound track. The top concrete rail slab was poured as well.

At the east end of the alignment along 3<sup>rd</sup> Street between Atlantic Boulevard and Mednik Street (Segment 7), guideway construction continued per schedule. Field crews poured top of the rail slab concrete west of Civic Center Drive and stored the delivered fabricated rail track cross-over sections.

## **PROJECT OVERVIEW & STATUS**

The 3<sup>rd</sup> Street overcrossing retrofit at the I-710 Freeway was completed this period. The steel casings for the existing bridge piers were mounted, welded and painted. Also, the bridge deck was loaded with rail track to measure the bridge vertical deflection, which is within the design tolerance.

In other areas of the alignment, at-grade station construction continues according to plan. At the Atlantic Station, construction crews continued installation of ramp walkways and completed fine grading, which allowed for the start of the eastbound rail track installation. At the East Los Angeles Civic Center Station, field crews completed installation of rebar, forms and concrete for the station platform walls. At Maravilla Station, rebar, embeds and forms for the TC&C room roof were completed and station platform invert slab began according to plan.

At the intersection of 3<sup>rd</sup> Street and Ditman Avenue work started on a contract modification to install a re-designed storm drain, which necessitated relocation of existing utilities by third parties.

The City of Los Angeles contractor for the 1<sup>st</sup> Street Viaduct Bridge Widening Project, Phase II Girder Strengthening, is progressing according to plan. At the west end of the bridge, construction crews completed installing girder rebar, forms and concrete for bridge Segments 4 through 6, and poured the deck concrete for bridge Segments 6 and 7 this period. At the east end of the bridge, installation of girder rebar, forms and concrete for bridge Segments 1 through 3 was completed, as well as the deck concrete. Also, in the middle of the bridge, the arch reinforcing work began.

Metro Operations completed installation of the new fiber optics cable from the Rail Operations Control Center to the 7<sup>th</sup>/Metro Station. The fiber optics cable will provide the necessary links required by the project. The lines needed for the project were spliced and successfully tested this period. The C0803 contractor continues to coordinate with Metro staff for the testing of existing fiber optic connections.

The fabrication and delivery of 50 light rail vehicles (LRV's), Contract No. P2550, continues per the revised plan. Ten vehicles are required for the Metro Gold Line Eastside Extension Project. Fabrication of car assemblies is done at the contractor's plant in Italy and final assembly and testing is done at the contractor's facility in California. This period two more vehicles were delivered to Metro. To date, a total of seven vehicles are going through the final acceptance process before commissioning. Three completed vehicles are scheduled for delivery next period. The current delivery schedule supports the project systems integration testing and pre-revenue phases.

## **PROJECT OVERVIEW & STATUS**

The Universal Fare System (UFS) equipment fabrication is expected to take up to six months. Metro staff is currently evaluating more desirable installation dates to minimize the risk of equipment damage and vandalism. Once this is established, the vendor will be notified to plan fabrication accordingly. If necessary, the finished equipment will be stored at the vendor's facility until the equipment is required for installation.

The Metro Art Department continued providing technical support and coordination between the C0803 contractor and the artists responsible to provide art pieces for the eight stations. The artists continue to finalize the art design and the development of shop drawings with multiple fabricators. Metro and ELRTC staff this period continued reviewing engineering specifications, and foundation and support calculations for the art pieces.

## **MANAGEMENT ISSUES**

No Management Issues for the period ending August 2007.

## PROJECT SCOPE

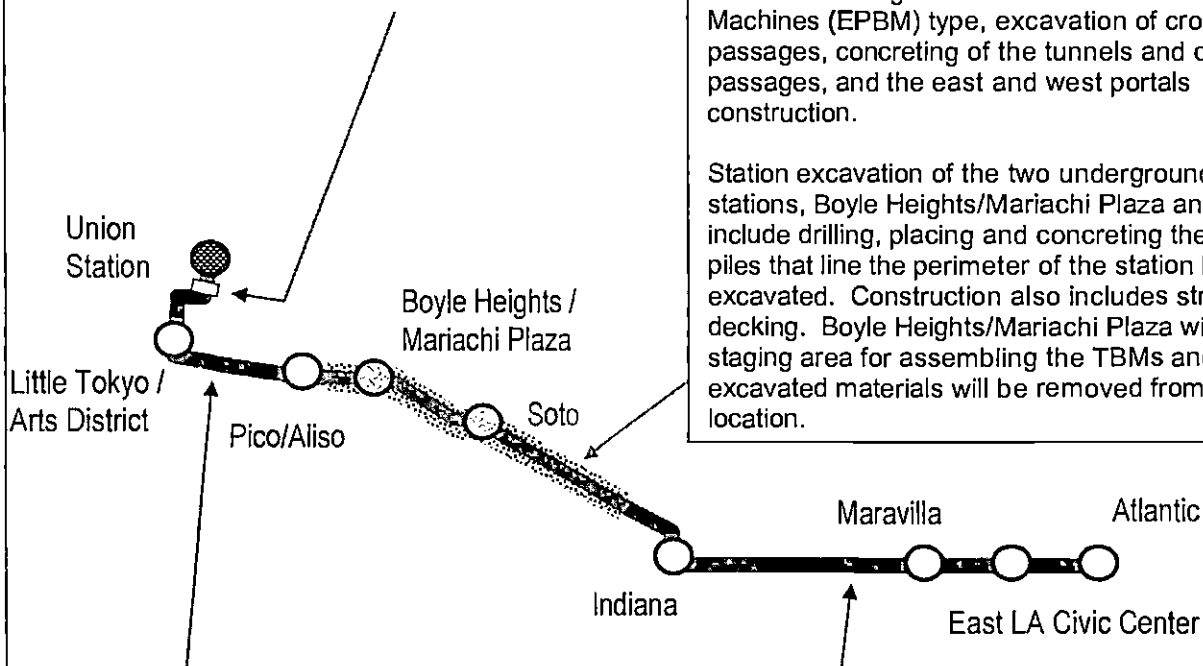
### **Contract C0802 – 101 Freeway Bridge**

**Overcrossing:** The construction of the bridge was combined with Caltrans freeway improvements project. Caltrans administered the construction and the LACMTA provided oversight and was responsible for the construction costs of the bridge overcrossing.

### **Contract C0803 - Tunnel and Station**

**Excavation (Design/Bid/Build):** Construction of the 1.7 mile tunnel segment included 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.



**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.

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.



**Metro Gold Line Eastside Extension  
Monthly Project Status Report**

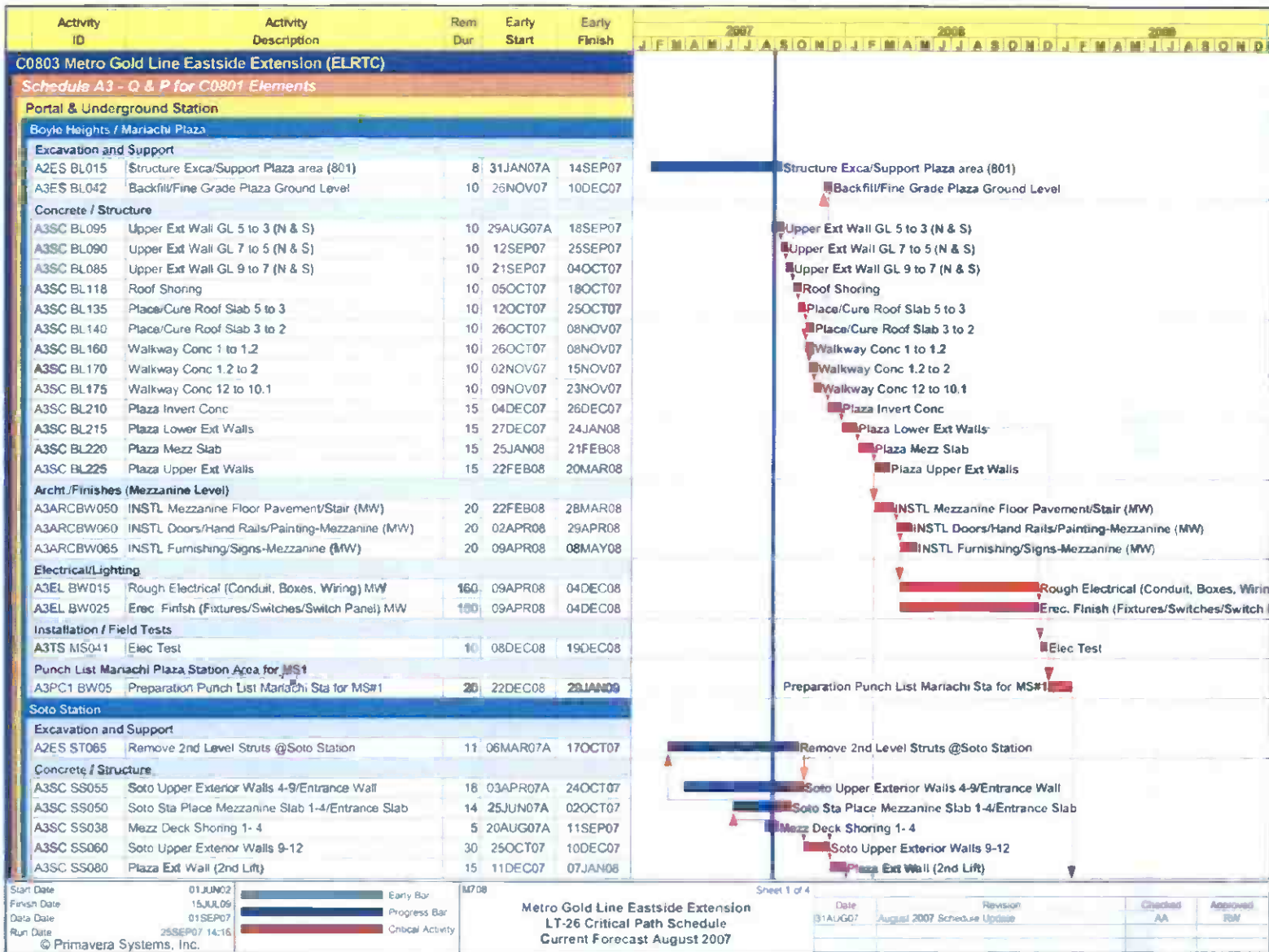
**August 2007**

**KEY MILESTONE SCHEDULE SIX-MONTH LOOKAHEAD**

	Milestone Date	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08
Completed 3rd Street and 710 Freeway Overcrossing	08/17/07	○					
Completed Mezzanine Slab at Boyle Heights/Mariachi Plaza Station	08/28/07 *	○					
Metro Completed New Fiber Optics from ROCC to Red Line 7th and Metro Station	08/31/07 *	◆					
Completed West Portal Structure	08/31/07 *	○					
City of Los Angeles Issue for Bid First Street Bridge Phase III Widening Contract	09/14/07 *		△				
Complete Civil Guideway Construction - Segment 7 East End of the Alignment	09/21/07 *		○				
Complete MSE Wall From Commercial Street to Alameda Street - Segment 1	09/24/07 *		○				
Complete All Design Approved for Construction (AFC)	09/28/07 *		○				
Start Installation of Overhead Contact System Equipment - Segment 7 East End of the Alignment	10/08/07 *			○			
Start Rail Installation in the Tunnels	10/11/07 *			○			
Start Station Canopy Installation - Atlantic Station	10/15/07			○			
Start Train Control System Construction - Segment 7 East End of the Alignment	10/16/07 *			○			
City of Los Angeles Completes First Street Bridge Phase II Girder Strengthening Contract	10/24/07			△			
Complete Mezzanine Level Walls at Boyle Heights/Mariachi Plaza Station	10/31/07			○			
Start Installation of Cable Communications System - Segment 1 West End of the Alignment	11/06/07 *				○		
Complete Mezzanine Slab at Soto Station	11/15/07				○		
Complete Civil Guideway Construction - Segments 2A and 2B	11/27/07 *				○		
Start Installing 34.5 KV Traction Power Feeder Cable in the Tunnels	12/07/07					○	
City of Los Angeles Award First Street Bridge Phase III Widening Contract	12/14/07					△	
Complete Temporary Baggage Handling Road at Union Station	12/20/07 *					○	
Complete Mezzanine Level Walls at Soto Station	01/30/08						○
<div> <div>◆ LAC MTA Staff Milestone</div> <div>○ Eastside LRT Constructors</div> <div>FTA</div> <div>FTA Approval</div> <div>△ Other Agencies</div> <div>* New Date</div> <div>M Metro</div> <div>LAC MTA Board Approval</div> </div>							

Six-month lookahead schedule for Contract C0803 reflects the contractor's current CPM schedule.

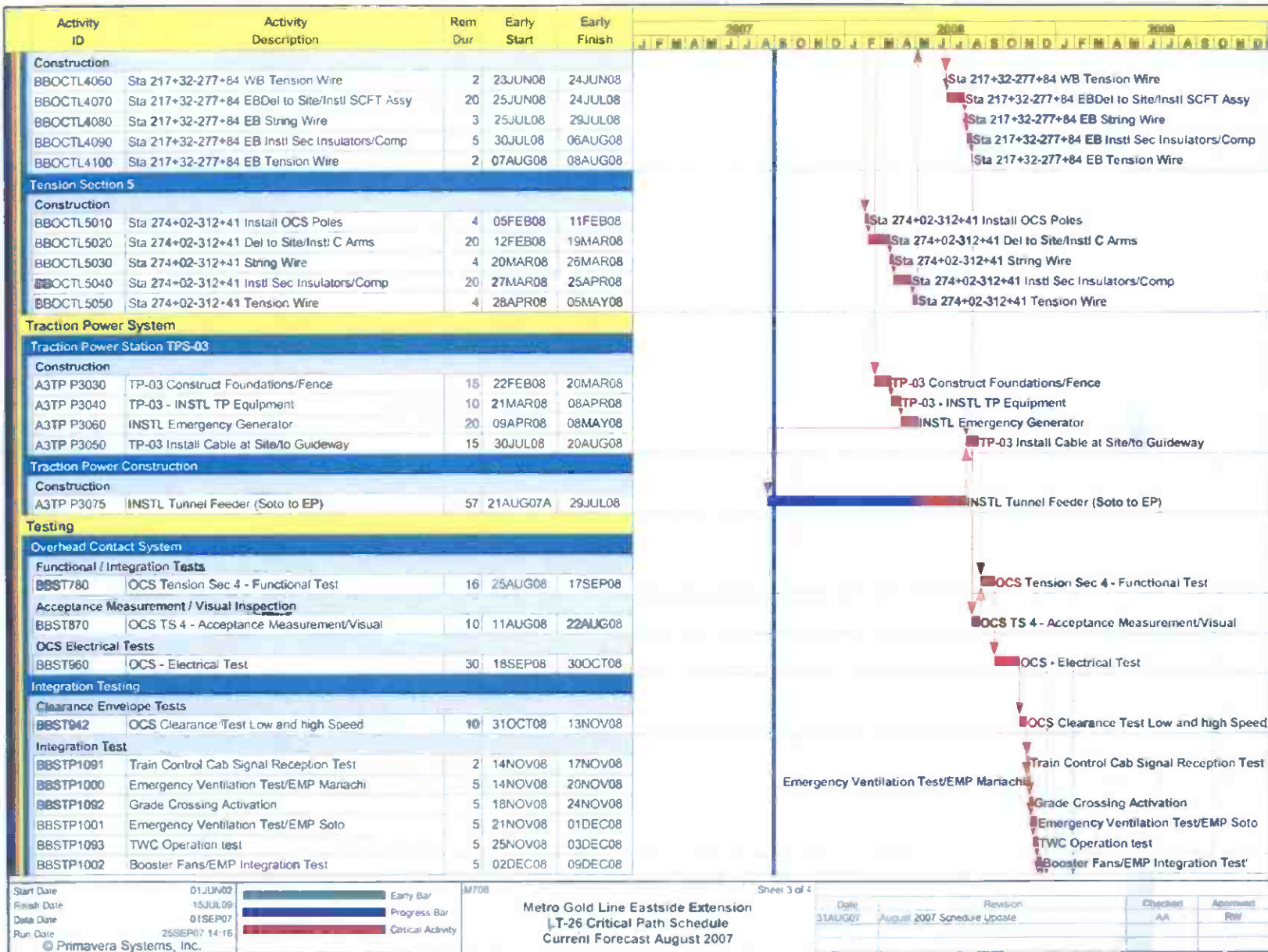
# PROJECT MASTER SCHEDULE CRITICAL PATH (1 of 4)



# PROJECT MASTER SCHEDULE CRITICAL PATH (2 of 4)

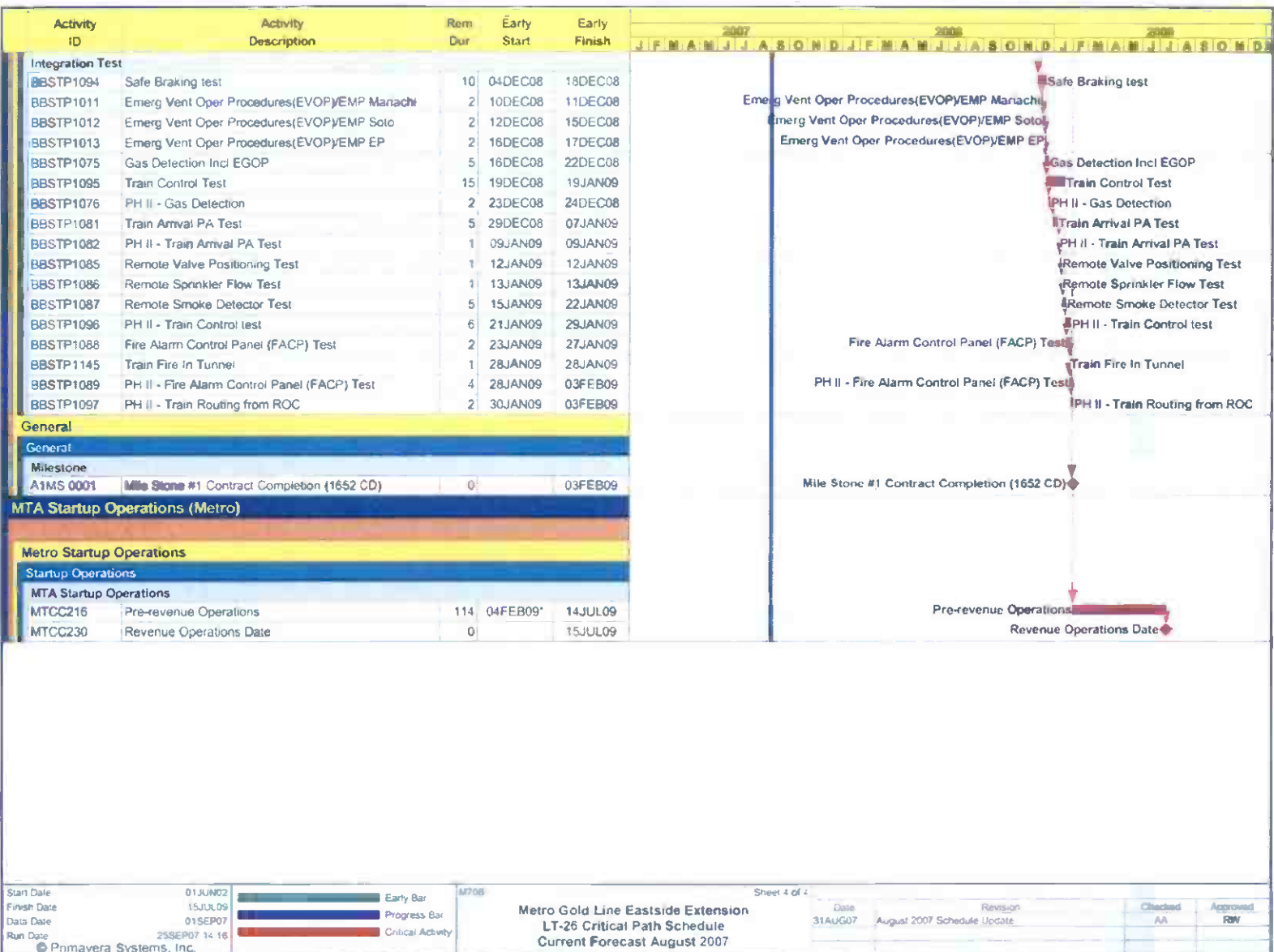


PROJECT MASTER SCHEDULE  
CRITICAL PATH (3 of 4)





# PROJECT MASTER SCHEDULE CRITICAL PATH (4 of 4)



## **CRITICAL PATH NARRATIVE**

### **Current Critical Path Analysis**

The critical construction of Boyle Heights/Mariachi Plaza Station mezzanine level exterior walls and the Soto Station mezzanine slab is proceeding per plan. Street widening and guideway construction along Segment 4B on the Los Angeles County section of the alignment is also on the project critical path. Although the C0803 contractor was able to mitigate the delays within the communication and traction power procurement activities this period, the contractor continues reporting their overall progress to have been impacted by Segment 4B design changes. The design issues are currently being addressed and Metro feels that opportunities will be available in follow-on activities to make up for impacts to the schedule. Once the C0803 contractor presents a mitigation plan that addresses these delays, any remaining schedule impact will be assessed and reported.

The C0803 contractor has expressed concerns that without the completion of Phase III of the 1<sup>st</sup> Street Bridge Widening Project, construction delays and inefficiencies are expected with trackwork and systems installations on the bridge, which may impact the substantial completion of their contract.

After the completion of upper wall construction at Boyle Heights/Mariachi Plaza Station and the mezzanine slab at Soto Station, the project critical path becomes construction completion of the two underground stations and in a parallel path, construction of the Segment 4B guideway and trackwork. Installation of OCS equipment and traction power equipment, 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.

## PROJECT COST STATUS

### COST REPORT BY ELEMENT ORIGINAL SCOPE ACTIVITIES

DOLLARS IN THOUSANDS

ELEM- MENT	DESCRIPTION	ORIGINAL BUDGET	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		BUDGET/ FORECAST VARIANCE
			PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
C	CONSTRUCTION	633,221	-	651,961	608	651,937	60	410,883	-	651,961	-
S	SPECIAL CONDITIONS	19,494	-	43,948	1	38,881	60	27,885	-	43,948	-
R	RIGHT-OF-WAY	40,358	-	42,299	-	46,182	-	43,573	-	42,299	-
P	PROFESSIONAL SERVICES	135,304	-	135,841	-	125,763	608	110,024	-	135,841	-
PC	PROJECT CONTINGENCY	60,254	-	14,599	-	-	-	-	-	14,599	-
PR	PROJECT REVENUE	(4,617)	-	(4,633)	-	-	-	(44)	-	(4,633)	-
	<b>SUBTOTAL</b>	<b>884,014</b>		<b>884,014</b>	<b>609</b>	<b>862,764</b>	<b>728</b>	<b>592,320</b>		<b>884,014</b>	
PF	PROJECT FINANCE COST	14,800	-	14,800	459	1,596	459	1,596	-	14,800	-
	<b>TOTAL</b>	<b>898,814</b>		<b>898,814</b>	<b>1,069</b>	<b>864,360</b>	<b>1,187</b>	<b>593,916</b>		<b>898,814</b>	

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JULY 2007

## 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 \$1.1 million this period. In the Construction element there was an increase of \$0.6 million due to executed modifications associated with Contract C0803 – Tunnel, Stations, Trackwork, and Systems. In the Project Finance Cost element there was an increase of \$0.5 million that reflects an interest payment. Interest earned is received monthly and interest payments are made semi-annually. The \$864.4 million in Commitments to date represents 96.2% of the Original Budget.

### Expenditures

Expenditures are cumulative through July 2007. The Expenditures increased by \$1.2 million this period primarily due to payments associated with the Project Finance Costs and Metro Administration Costs. The July 2007 invoices for Contract C0803 in the amount of \$12.6 million was posted in Metro's Financial Information System (FIS) on August 14, 2007 and will be reflected in the next reporting period. The \$593.9 million in Expenditures to date represents 66.1% of the Original Budget.

## PROJECT COST STATUS

**COST REPORT BY ELEMENT**  
**CONCURRENT NON-FFGA PROJECT ACTIVITIES**  
DOLLARS IN THOUSANDS

ELEMENT	DESCRIPTION	ORIGINAL BUDGET	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		BUDGET / FORECAST VARIANCE
			PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
C	CONSTRUCTION	18,000	-	41,174	-	33,571	-	7,628	-	41,174	-
S	SPECIAL CONDITIONS	-	-	2,719	-	1,849	2	1,072	-	2,719	-
R	RIGHT-OF-WAY	-	-	-	-	-	-	-	-	-	-
P	PROFESSIONAL SERVICES	-	-	2,280	-	808	5	110	-	2,280	-
PC	PROJECT CONTINGENCY	-	-	-	-	-	-	-	-	-	-
PR	PROJECT REVENUE	-	-	(4,087)	-	(3,588)	-	(279)	-	(4,087)	-
	<b>SUBTOTAL</b>	<b>18,000</b>	-	<b>42,086</b>	-	<b>32,639</b>	<b>7</b>	<b>8,531</b>	-	<b>42,086</b>	-
PF	PROJECT FINANCE COST	-	-	-	-	-	-	-	-	-	-
	<b>TOTAL</b>	<b>18,000</b>	-	<b>42,086</b>	-	<b>32,639</b>	<b>7</b>	<b>8,531</b>	-	<b>42,086</b>	-

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JULY 2007

## PROJECT COST ANALYSIS

### Original Budget

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

### Current Budget and Current Forecast

The Current Budget and Forecast remain the same at \$42.1 million.

### Commitments

The Commitments remain the same this period. The \$32.6 million in Commitments to date represents 77.6% of the Current Budget.

### Expenditures

Expenditures are cumulative through July 2007. The Expenditures increased by \$7K this period primarily due to Environmental work associated with the properties on Alma Street and Metro Administration costs. The July 2007 invoice for Contract C0803 in the amount of \$0.1 million was posted in the Metro's Financial Information System (FIS) on August 14, 2007 and will be reflected in the next reporting period. The \$8.5 million in Expenditures to date represents 20.3% of the Current Budget.



**FINANCIAL/GRANT STATUS – ORIGINAL SCOPE ACTIVITIES**

**AUGUST 2007**

**STATUS OF FUNDS BY SOURCE**

SOURCE	(A) ORIGINAL BUDGET	(B) TOTAL FUNDS ANTICIPATED	(C) TOTAL FUNDS AVAILABLE	(D) COMMITMENTS \$	(D/B) %	(E) EXPENDITURES \$	(E/B) %	(F) BILLED TO SOURCE \$	(F/B) FUNDING %
FEDERAL - SECTION 5309 NEW START	\$490.700	\$490.700	\$255.193	\$469.474	96%	\$326.868	67%	(1) \$326.868	67%
FED - SECTION 5309 FIXED GUIDEWAY	\$23.100	\$12.000	\$12.000	\$12.000	100%	\$12.000	100%	\$12.000	100%
FEDERAL - CMAQ	\$10.300	\$10.300	\$10.276	\$10.276	100%	\$10.276	100%	\$10.276	100%
REGIONAL IMPROVEMENT PROG - FED	\$179.600	\$4.600	\$4.600	\$4.600	100%	\$4.600	100%	\$4.600	100%
REGIONAL IMP PROG - STATE	\$0.600	\$175.600	\$131.796	\$175.600	100%	\$87.996	50%	\$87.996	50%
STATE TCRP	\$45.000	\$45.000	\$45.000	\$45.000	100%	\$45.000	100%	\$45.000	100%
PROP A 35% / PROP C 40%	\$124.614	\$135.714	\$135.714	\$135.714	100%	\$95.480	70%	\$76.787	57%
LEASE REVENUES	\$10.100	\$10.100	\$10.100	\$10.100	100%	\$10.100	100%	\$10.100	100%
ACCRUALS									
SUB-TOTAL	\$884.014	\$884.014	\$604.679	\$862.764	98%	\$592.320	67%	\$573.627	65%
PROP A / PROP C (INTEREST COST)	\$14.800	\$14.800	\$1.980	\$1.596	11%	\$1.596	11%	(\$0.363)	-2%
TOTAL	\$898.814	\$898.814	\$606.659	\$864.360	96%	\$593.916	66%	\$573.264	64%

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JULY 2007.

(1) BILLED EXPENDITURES IN EXCESS OF FUNDS AVAILABILITY ARE TEMPORARILY FUNDED THROUGH BRIDGE FINANCING.

**STATUS OF FUNDS ANTICIPATED**

**FEDERAL SECTION 5309 NEW STARTS:** LACMTA has received an appropriation of \$237.9M through FY07.

**RIP-STATE:** LACMTA submitted an allocation request of \$43.8 to the CTC for consideration at their July 2007 meeting. The request was approved and funds will be available for drawdown in September 2007.

**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 approved in February 2007.

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

**AUGUST 2007**

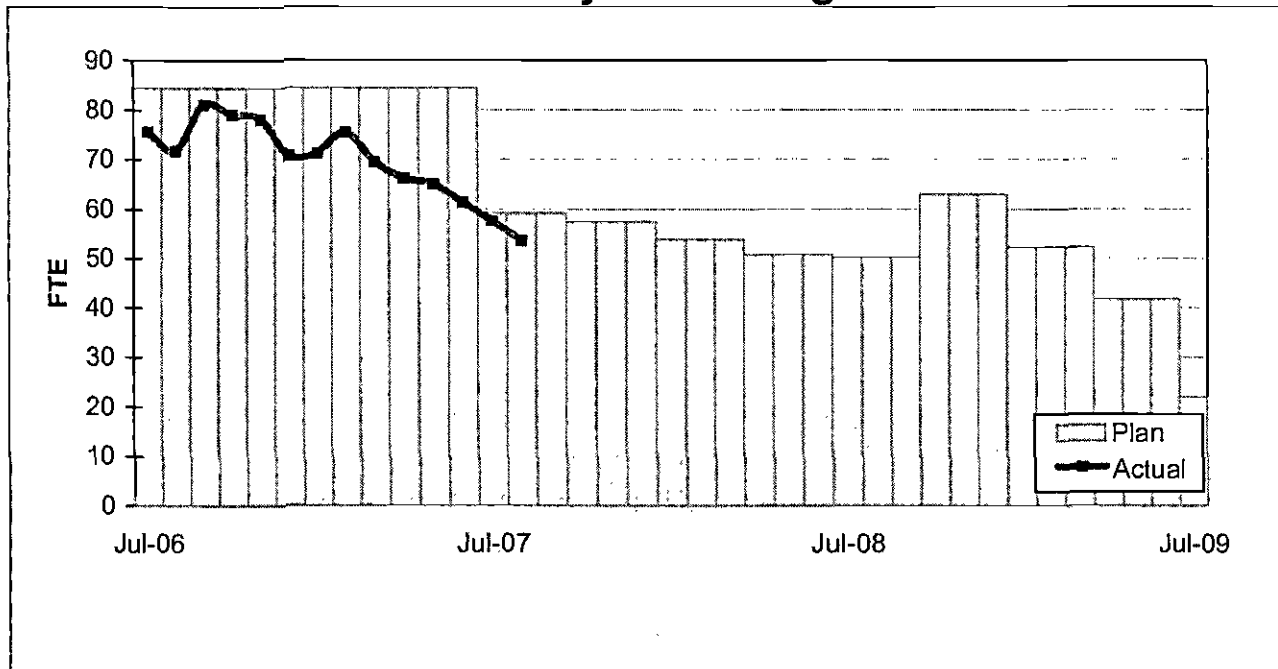
**STATUS OF FUNDS BY SOURCE**

SOURCE	(A) APPROVED BUDGET	(B) TOTAL FUNDS ANTICIPATED (1)	(C) TOTAL FUNDS AVAILABLE	(D) COMMITMENTS \$	(D/B) %	(E) EXPENDITURES \$	(E/B) %	(F) BILLED TO FUNDING SOURCE \$	(F/B) %
PROP C 40%	\$14,000	\$14,000	\$14,000	\$14,000	100%	\$6,150	44%	\$4,920	35%
PROP C 10%	\$4,000	\$4,000	\$4,000						
STATE TCR	\$0.000	\$24,086	\$24,086	\$18,639	77%	\$2,381	10%	\$2,381	10%
<b>TOTAL</b>	<b>\$18,000</b>	<b>\$42,086</b>	<b>\$42,086</b>	<b>\$32,639</b>	<b>78%</b>	<b>\$8,531</b>	<b>20%</b>	<b>\$7,301</b>	<b>17%</b>

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JULY 2007.

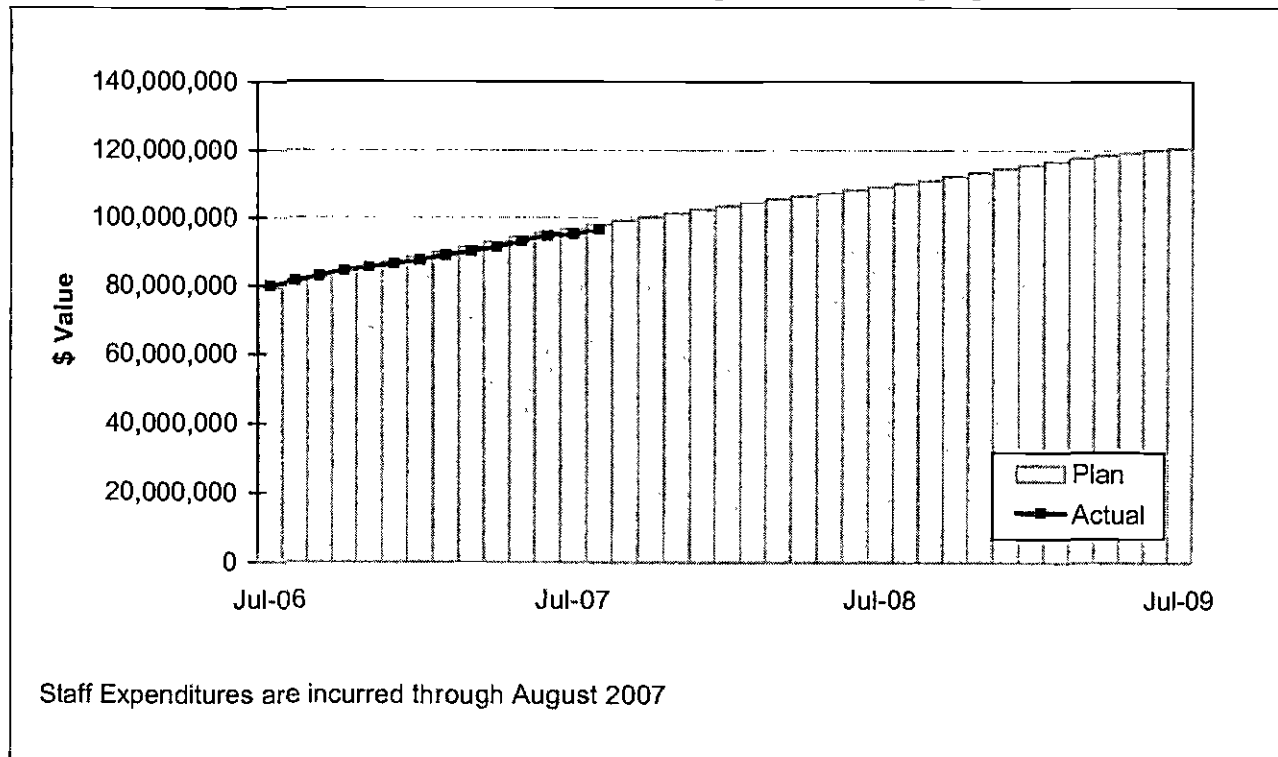
## STAFFING STATUS

### Total Project Staffing - FTES



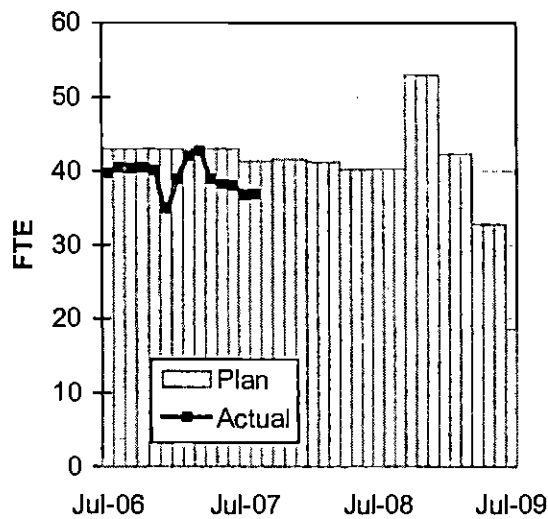
## STAFFING STATUS

### TOTAL PROJECT STAFFING COST

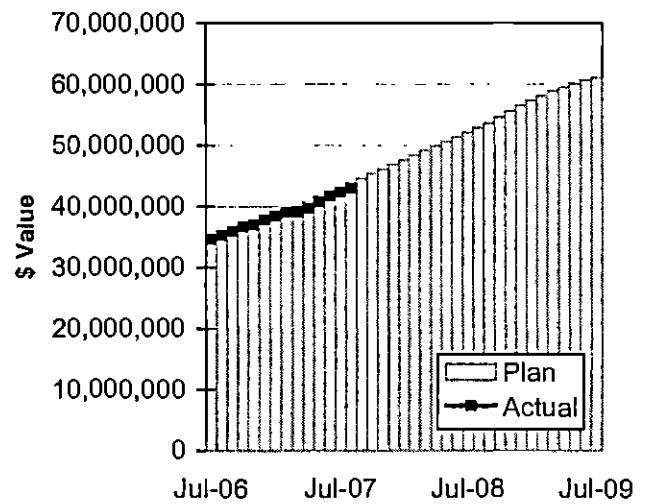


## STAFFING STATUS

**DIRECT AGENCY - FTES**

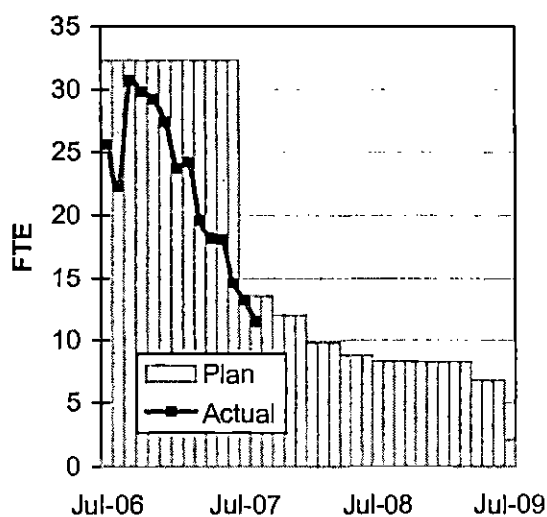


**DIRECT AGENCY - COST**

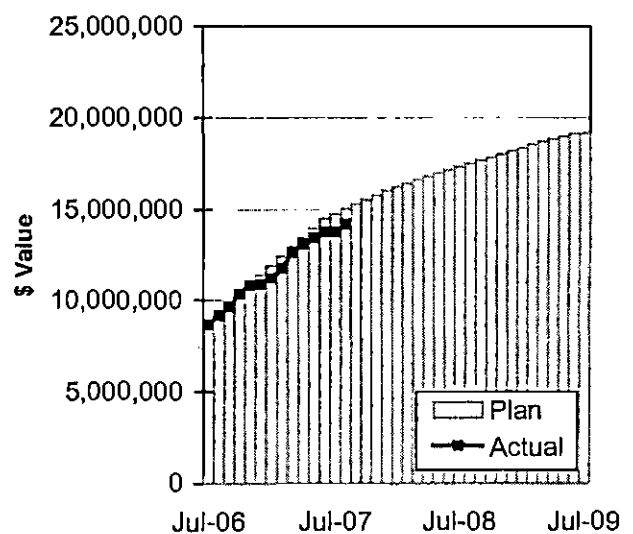


Staff Expenditures are incurred through August 2007

**CONSTRUCTION MGMT - FTES**



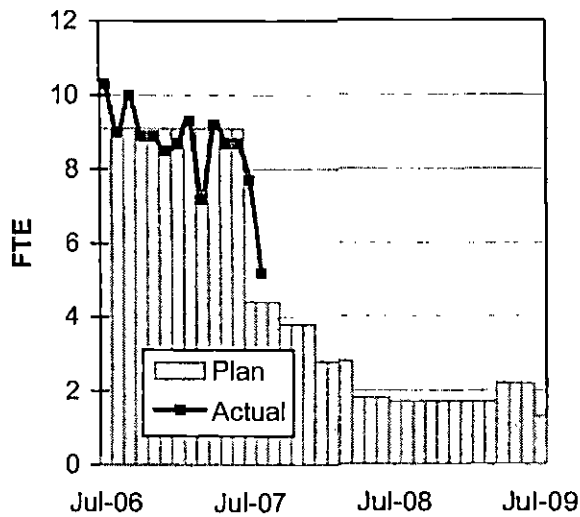
**CONSTRUCTION MGMT - COST**



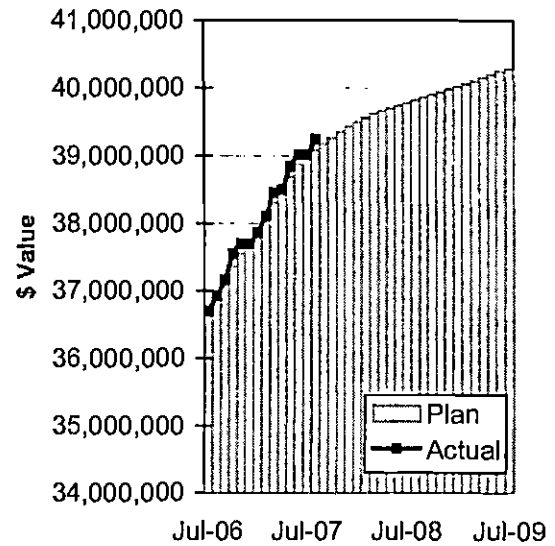
Staff Expenditures are incurred through August 2007

## STAFFING STATUS

ELRT PARTNERS - FTES



ELRT PARTNERS - COST



Staff Expenditures are incurred through August 2007

**REAL ESTATE STATUS**

- For C0803, the tunnel portion of the alignment, 40 parcels were 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 were required for acquisition (17 full takes, 9 partial takes and 1 surface easement). Nine parcels were required for the LAUSD Ramona Opportunity High School site reconfiguration.
- For C0802, 2 parcels were required (1 surface easement and 1 full take parcel).
- Two Encroachment Permits were obtained from Caltrans for the C0803-Tunnel. Three street closures were obtained from the City of LA.

**REAL ESTATE ACQUISITION SCHEDULE SUMMARY**

<i>Number of Parcels</i>	Required	Acquired	On Schedule	Behind Schedule	
				Number	Avg. Calendar Days
This Period	69	69	0	0	0
Last Period	69	69	0	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	27	0	0	0	0	27
C0802	2	2	0	0	0	0	2
TOTAL	69	69	0	0	0	0	69
LAST PERIOD	69	69	0	0	0	0	69

## **ENVIRONMENTAL STATUS**

- The Review Advisory Committee approved the concept for a memorial wall near the Chinese Memorial Shrine at the Evergreen Cemetery.
- Two design options for the construction of a memorial near the Chinese Memorial Shrine at Evergreen Cemetery were presented at the Ad Hoc Subcommittee Meeting.
- The Ad Hoc Subcommittee recommended an east/west burial orientation for the burial plots and grave marker site layout plan.

## **COMMUNITY RELATIONS STATUS**

- Distributed six Construction Notices which reached approximately 27,200 residences/businesses. Activities include: traffic switches and re-striping, sewer line construction, street closures and trackway construction.
- Held monthly Ad-Hoc Sub Committee Meeting, Executive Review Advisory Committee Meeting and Review Advisory Committee Meeting.
- Supported Tofu Festival.
- Met with 316 residents/business owners to coordinate construction activities.
- Delivered five "Open During Construction" banners.

## **QUALITY ASSURANCE STATUS**

- Quality Management continues with reviews of contractor's monthly Asphalt, Concrete Compressive Strength and Soils Compaction reports - areas of concern, if any, are coordinated to resolution with the onsite lab representative.
- The results of field surveillance activities continue to be identified in Weekly Surveillance Reports.
- Fabrication of OCS Poles have been the subject of attention based upon weld related concerns.
- Fabrication of station canopies have been the subject of concern based upon level of Design/Builder weld inspection by an independent lab.

## **SAFETY STATUS**

- Participated in weekly progress meetings with Construction Managers and ELRTC management personnel to discuss safety related issues and construction schedule.
- Conducted Safety Orientation for Third Party.
- Conducted All Hands Safety Meeting with ELRTC's safety personnel, LAFD and LAPD representatives.
- Monitored construction activities on a daily basis including weekends to ensure contractor compliance with Contract Specification.
- ELRTC and their subcontractors reported three recordable incidents and 74,193 work hours for the month of August 2007. A total of twenty-seven (27) recordable incidents have occurred Project to Date. Total Project to Date work hours are 2,205,368. Injury Rates for Recordable incidents are 2.4; well below the National Average of 5.6.

## **ART DEVELOPMENT STATUS**

- Coordination meetings with Construction for artwork fabrication/installation schedules for eight stations.



**THIRD PARTY AGREEMENT STATUS**

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	9/07	*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 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/AT & T	Amendment	Completed	N/A	Executed May 2005. SBC has been acquired by AT&T and has formed a new corporation TCM for work in Southern California. A new agreement has been negotiated with Metro and TCM, which was approved by the Metro Board in April. The new agreement mirrors the SBC agreement except for some minor changes in the insurance language.
Adelphia Cable Company	Amendment	9/07	*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**

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
Verizon Wireless	Amendment	9/07	*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.
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

\* Work will be performed under the current MCA and will not delay ongoing work.

**Metro Gold Line Eastside Extension  
Monthly Project Status Report**

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**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 Submittal to PUC Local office and Agencies	Final Package Submittal to PUC	CPUC Final Approval
1	Complete	8/5/02	8/12/02	8/28/02	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
9	Complete	1/20/03	1/29/03	3/31/03	11/22/02	6/29/03	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	Approved
14	Complete	1/6/03	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	8/26/2003	Approved
16	Complete	2/26/03	N/A	N/A	2/28/03	6/6/03	8/26/2003	Approved
17	Complete	1/6/03	1/15/03	N/A	2/14/03	5/5/03	6/13/2003	Approved
18	Complete	1/6/03	1/15/03	3/20/03	2/14/03	5/5/03	6/13/2003	Approved
Agency Responsible		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 / McDonnell
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 / Driveways 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
8 3rd / Gage	1st / Myers
3rd / 60 Fwy WB Ramps	16 1st / MTA
3rd /Downey	1st / BNSF
	1st / Union Pacific

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**CONTRACT C0802 STATUS**

<b>Description: 101 Freeway Bridge Overcrossing</b> <b>Contractor: Brutoco Engineering &amp; Construction</b>		<b>Contract No. C0802</b> <b>Status as of: August 31, 2007</b>					
<b>Progress/Work Completed:</b> * Bridge work was completed in March 2007		<b>Major Activities (In Progress):</b> * None					
<b>Areas of Concern:</b> * None		<b>Major Activities Next Period:</b> * None					
<b>Schedule Summary:</b> Date of Award: 09/07/04 Notice to Proceed: 09/22/04 Original Contract Duration: 700 CD Current Contract Duration: 775 CD Elapsed Time from NTP: 904 CD * * Note: Elapsed time to Milestone # 1 completion			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
		Notice to Proceed	09/22/04	0	09/22/04	09/22/04	0
		Milestone 1 - Complete Abutment No. 10	06/26/06	49	08/14/06	03/15/07	-213
		Milestone 2- Complete All Work Without Plant Establishment	08/23/06	75	11/06/06	08/06/07	-273
<b>Physical Percent Complete:</b> Physical completion ** as of this reporting period is: 100.00% ** Note: Physical completion assessment reflects work completed and invoice amount shown in Caltrans Monthly Progress/Expense Report No. 30.		<b>Cost Summary:</b>					
		<b>\$ In millions</b>					
		1. Award Value: 6.42					
		2. Executed Modifications: 0.00					
		3. Approved Change Orders: 0.00					
		4. Current Contract Value (1+2+3): 6.42					
		5. Incurred Cost: 6.41					

**CONTRACT C0803 STATUS**

<b>Description: Tunnel, Stations, Trackwork &amp; Systems</b> <b>Contractor: Eastside LRT Constructors</b>	<b>Contract No. C0803</b> <b>Status as of: August 31, 2007</b>					
<b>Progress/Work Completed:</b> <ul style="list-style-type: none"><li>* Completed tunnels final clean up and contractor demobilization</li><li>* Completed Bodie Shaft backfilling at Mariachi Plaza Station</li><li>* Installed 1st level walers and struts at the entrance of Mariachi Plaza Station</li><li>* Completed Mariachi Plaza Station mezzanine slab</li><li>* Started installation of HDPE water protection for mezzanine level exterior walls at Mariachi Plaza Station</li><li>* Completed West Portal tail section roof</li><li>* Poured last sections of track level exterior walls at Soto Station</li><li>* Poured East Portal invert protection slab (mud mat)</li><li>* Installed column steel casings under 3rd Street &amp; 710 Freeway overcrossing</li><li>* Installed Fiber Optics duct bank and OCS pole foundations between Alameda and Vignes-Seg. 2A</li><li>* Set up rail welding shop between Alameda and Vignes-Seg. 2A</li><li>* Started street widening between Lorena and Indiana-Seg. 4A</li><li>* Completed Segment 5 U-channel barrier walls</li><li>* Poured platform deck at East Los Angeles Civic Center Station</li><li>* Started guideway construction west of the Route 60 Freeway</li><li>* Delivered rail sections for the west side of the alignment and specialty rail for the cross-over west of Atlantic Station</li></ul> <b>Areas of Concern:</b> <p>The forecast date for Milestone 1 reflects 27 calendar days beyond the current contractual completion date. The current forecast does not impact ROD.</p>	<b>Major Activities (In Progress):</b> <ul style="list-style-type: none"><li>* Mariachi Plaza Station entrance excavation and support system</li><li>* Mariachi Plaza Station mezzanine level exterior walls rebar</li><li>* Soto Station shoring system for mezzanine slab</li><li>* Soto Station interior walls at track level</li><li>* East Portal invert slab rebar and embeds by the hammerhead</li><li>* Electrical raceway installation in both tunnels</li><li>* Construct Indiana, East Los Angeles Civic Center and Maravilla Stations</li><li>* Street improvements-Alameda &amp; Temple and Alameda &amp; 1st St.</li><li>* Welding rail for Segments 1, 2A and 2B</li><li>* Segments 2A, 5, 6 and 7 guideway construction</li><li>* Street widening (north side) in Segment 4A along 1st Street</li><li>* Storm drain at 3rd Street &amp; Ditman</li><li>* TPS-04 surveying and staking</li><li>* Installing embedded rail track at Atlantic Station</li></ul> <b>Major Activities Next Period:</b> <ul style="list-style-type: none"><li>* West Portal concrete barrier walls at street level</li><li>* Mariachi Plaza Station emergency exit # 1 piles and excavation</li><li>* Mariachi Plaza Station mezzanine level exterior walls</li><li>* Soto Station interior walls at track level and mezzanine slab</li><li>* East Portal concrete invert slab by hammerhead</li><li>* Maravilla and Indiana Stations TC&amp;C room construction</li><li>* East Los Angeles Civic Center Station access walkways</li><li>* Construct temporary baggage handling road at Union Station</li><li>* Complete MSE wall south of the C0802 Bridge-State Hwy. 101</li><li>* Segments 2A, 2B, 5, 6 and 7 guideway and rail construction</li><li>* Street improvements - Segment 4A between Lorena &amp; Indiana</li><li>* TPS-04 underground electrical and foundation</li></ul>					
<b>Schedule Summary:</b>  Date of Award: 06/01/04 Notice to Proceed: 07/01/04  Original Contract Duration: 1795 CD Current Contract Duration: 1800 CD Elapsed Time from NTP: 1157 CD  Option D Contract duration 90 CD Complete		Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
	Notice to Proceed	07/01/04	0	07/01/04	07/01/04	0
	Milestone 1 - Contract Completion. Complete all systems integration testing and ready for MTA's pre-revenue operation testing.	12/31/08	7	01/07/09	02/03/09	0
	Milestone 3 - Complete Universal Fare System Equipment area.	04/30/08	5	05/05/08	05/05/08	0
	Milestone 5 - Vacate all staging areas and turn over to MTA.	05/30/09	5	06/04/09	06/04/09	0
	Milestone 6 - Complete design and construction of Option D work.	09/28/04	0	09/28/04	09/28/04	0
<b>Physical Percent Complete:</b> Physical completion * as of this reporting period is: 61.61%  * Note: Physical completion assessment reflects work completed and work in progress.	<b>Cost Summary:</b>  1. Award Value: 600.45 2. Executed Modifications: 9.76 3. Approved Change Orders: 0.16 4. Current Contract Value (1+2+3): 610.36 5. Incurred Cost: 418.89					

**CONTRACT E700051F STATUS**

<b>Description: 1st Street Bridge Strengthening</b> <b>Contractor: The Griffith Company</b>		<b>Contract No. E700051F</b> <b>Status as of: August 31, 2007</b>					
<b>Progress/Work Completed:</b> <ul style="list-style-type: none"> <li>* Completed girder strengthening - west of LA River</li> <li>* Completed girder strengthening - east of LA River</li> <li>* Poured bridge deck concrete - Segments 6 &amp; 7, west of LA River</li> <li>* Poured bridge deck concrete - Segments 1-3, east of LA River</li> <li>* Started bridge strengthening - arch above LA River</li> </ul> <b>Areas of Concern:</b> <ul style="list-style-type: none"> <li>* None</li> </ul>		<b>Major Activities (In Progress):</b> <ul style="list-style-type: none"> <li>* Bridge deck reinforcing steel and forms - Segments 4 &amp; 5, west of LA River</li> <li>* Waffle slab formwork - arch above LA River</li> <li>* Placing soil retaining system - arch above LA River</li> <li>* Cure bridge deck concrete - Segments 1-3, east of LA River</li> </ul> <b>Major Activities Next Period:</b> <ul style="list-style-type: none"> <li>* Pour bridge deck concrete - Segments 4 &amp; 5, west of LA River</li> <li>* Waffle slab reinforcing steel and forms - arch above LA River</li> <li>* Pour one half of waffle slab concrete - arch above LA River</li> <li>* Complete soil retaining system - arch above LA River</li> </ul>					
<b>Schedule Summary:</b>			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
Date of Award: 01/19/07 Notice to Proceed: 02/06/07 Original Contract Duration: 224 CD Current Contract Duration: 260 CD Elapsed Time from NTP: 206 CD		Notice to Proceed	02/09/07	0	02/06/07	02/06/07	0
		Milestone 1 - Substantial Completion	09/24/07	30	10/24/07	10/24/07	0
<b>Physical Percent Complete:</b>  Physical completion as of 8/31/07: 78.00% *  * As reported by the City of Los Angeles, Department of Contract Administration		<b>Cost Summary: \$ In millions</b> 1. Award Value: * 4.26 2. Executed Modifications: 0.00 3. Approved Change Orders: 0.00 4. Current Contract Value (1+2+3): 4.26 5. Incurred Cost: 3.32  * City of Los Angeles					

## CONTRACT P2550 STATUS

<b>Description: 2550 Rail Vehicle Program</b>		<b>Contract No. P2550</b>					
<b>Contractor: AnsaldoBreda, Italy</b>		<b>Status as of: August 31, 2007</b>					
<b>Progress/Work Completed:</b> 1. Pilot Vehicles 701 & 702 are engaged as initial system training devices for maintenance staff. Next action is to transport vehicles to Pittsburg for upgrade. Schedule to be determined. 2. Vehicle final assembly work continues in process. 3. Shipment of foreign and domestic parts for final assembly continue to arrive in Pittsburg, CA. 4. AB shipped LRV 709 to Metro on July 31st & 710 on August 29th 2007. 5. FTA-CPUC-METRO visited Pittsburg for technical process review. 6. METRO-CEO & State Senator visited Pittsburg, CA, Final Assembly Facility		<b>Major Activities (In Progress):</b> 1. AnsaldoBreda's manufacturing plants in Pistopia and Naples, Italy continue to prepare carshells and subassemblies for shipment to U.S.A.. 2. Shipment by U.S. flag vessels to U.S.A. in review with MARAD. 3. Production LRV (7) in post arrival receiving and testing . 4. Assembly of 9 truck frames (3vehicles set) with domestic parts is ongoing in Pittsburg 5. Domestic parts and components are now being direct shipped to Pittsburg, CA 6. Nine truck frames (3 LRV sets) delivered to Pittsburg from Naples Italy for final assembly construction. 7. Three LRVs are in route from Houston to Pittsburg, ETA August 20, 2007					
<b>Areas of Concern:</b> 1. Documentation submittals are improving. Metro approvals for the acceptance testing procedures are processed as submittals received. 2. Staff additions at AB continue to bring project funding consumption up to date. However payments are subject to work product approval. 3. Metro continues to press AB to ship multiples of car shells to Pittsburg in order to benefit from shipment economies of scale. 4. Supply chain concerns being addressed by addition of expeditors on site Pittsburg and AB Metro facility.		<b>Major Activities Next Period:</b> 1. LRV "pilot vehicle" will be sent to Pittsburg, CA for configuration change. 2. The IPT continues to closely monitor all performance activities. 3. Weekly teleconferences continue to monitor production issues. 4. IPT evaluating the viability of Contract Options Orders. 5. Two LRVs are leading commissioning process.					
			Original Contract Dates	Assembled	Current Contract	Balance Due	Transferred from FA to Metro
<b>Schedule Summary:</b>		Notice to Proceed	6/6/2003A				
Date of Award:	04/24/03	100 Side Wall Sets (A&B)		90	100 SW	10 SW	
Notice to Proceed:	06/06/03	150 Truck Assemblies		60	150 TA	90 TA	
Original Contract Duration:	1470 CD	LRV Pilot Vehicles Delivered to Commissioning Test Site		2	2 LRV	0 LRV	
Current Contract Duration:	2075 CD	LRV Pilot Vehicles Returned to Final Assembly Site		0	2 LRV	2 LRV	
Elapsed Time from NTP:	1559 CD	LRVs Delivered to Final Assembly Facility		17	50 LRV	33 LRV	7 LRV
Note: MTA issued Modification No. 1 to AnsaldoBreda. Modification No. 1 is a zero-cost, miscellaneous administrative and technical clarification modification. MTA completed Modification No. 2 that reflects the recently granted California Board Of Equalization exemption for State Sales Tax on the Light Rail Vehicles. MTA and AnsaldoBreda agreed to Mod No. 4 which extended the Option One ordering period from April 2006 to April 2008, effective May 14, 2007.		LRVs currently in work at Final Assembly Facility		14	50 LRV		
		LRV Delivered to Commissioning Site- LACMTA		7	50 LRV	43 LRV	
		LRV Accepted for Revenue Service by LACMTA		0	50 LRV	50 LRV	
<b>Physical Percent Complete:</b>		<b>Cost Summary: \$ In millions</b>					
Physical Work completion* as of July 2007 is 83.87%		1. Award Value:					
		Pasadena (Proj. No.: 800151) 126.99					
		Eastside Ext. (Proj. No.: 800088) 31.75					
Percent Work Product Invoiced** through July 2007 is 41.85%		Total Award Value 158.74					
		2 Executed Modifications 0.00					
* Note: Physical Work completion assessment reflects work completed and work in progress.		3 Approved Change Orders: 0.00					
		4 Current Contract Value (1 + 2 + 3): 158.74					
		5 Payments or invoices in process: 61.57					
**Reflects percent of Contract price invoiced and paid to date.							

## **CONSTRUCTION PHOTOGRAPHS**



Track rail stockpiled within the LRT guideway – Civil Line Segment 2A.



View of u-channel south wall looking east.



## **CONSTRUCTION PHOTOGRAPHS**



Trackwork installation along 3rd Street - Civil Line Segment 7.



Maravilla Station construction.

## **CONSTRUCTION PHOTOGRAPHS**



View of East Portal looking west.



Boyle/Heights Mariachi Plaza Station entrance excavation.

## **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.

## 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
CMAQ	Congestion Mitigation Air Quality
CN	Change Notice
CO	Change Order
CNFA	Concurrent Non-FFGA Project Activities
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
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