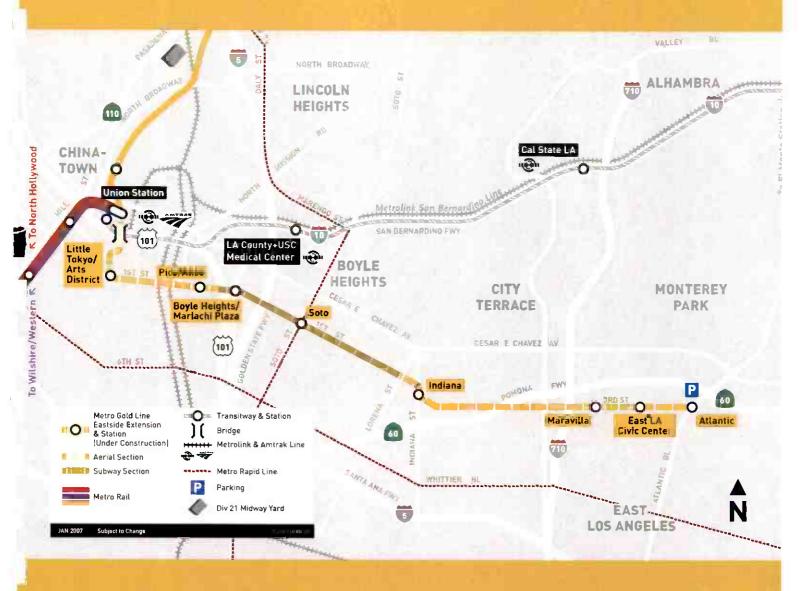
Los Angeles County Metropolitan Transportation Authority

MONTHLY PROJECT STATUS REPORT

# Metro Gold Line Eastside Extension





# 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.

**FEBRUARY 2008** 

# **TABLE OF CONTENTS**

### Page No.

Project Overview & Status	1-4
Management Issues	4
Project Status	
Project Scope	5
Schedule	
<ul> <li>Key Milestones Six-Month Lookahead</li> </ul>	6
<ul> <li>Project Master Schedule Critical Path</li> </ul>	7-12
o Critical Path Narrative	13
Project Cost Status	14-15
Financial/Grant Status	16-17
Staffing	18-20
Real Estate	21
Environmental	22
Community Relations	22
Quality Assurance	23
Safety	23
Art Development	23
Third Party	24-25
CPUC Crossing	26
Contract C0802 Status	27
Contract C0803 Status	28
Contract E700051F Status	29
Contract P2550 Status	30
Construction Photographs	31-34
Appendices	35-38

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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, ELRTC worked with third parties agencies to resolve issues with street lighting and street improvement for the remaining civil design packages; Segments 3A, 3B and 4B. All Systems Design Packages have been completed.

Procurement of the City of Los Angeles 1<sup>st</sup> Street Bridge Phase III Widening Project has resumed this period with the City Attorney concurring that the protest did not change the bids submitted. The Board of Public Works will consider next period a motion to award the contract to T. J. Polich Contractors.

Metro staff completed the development of the technical statement of work, prepared and issued a Request for Proposal package to ARINC for the expansion of the existing SCADA system. ARINC's proposal is expected by mid-March 2008. The SCADA contract will have to be awarded by mid-summer 2008 in order to support Phase II of the Systems Integration Testing, which is Metro's responsibility.

Underground construction is proceeding per plan. The C0803 contractor completed grinding and washing both tunnels and began track installation. Field crews completed track surveys and began moving materials into the tunnels from the East Portal. Low vibration track blocks were placed between Soto Station and the East Portal. The rail welding and cutting in the tunnels is on hold pending OSHA's approval of the welding application submitted this period by the contractor. The systems subcontractor this period finalized the design for re-routing the FRE conduit along the outer side of the track. The FRE conduit will be installed in parallel with track installation. Schedule impacts, if any, are not known at this time.

At the Boyle Heights/Mariachi Plaza Station, field crews completed placement of CMU room walls at the west end of the mezzanine level and began CMU room walls at the east end. The last roof concrete slab section was poured this period and construction of the station platform continued with invert slab pours. At the station entrance in the mezzanine level, the remaining exterior walls were poured and interior wall construction began. Also, at the Emergency Exit No. 1 and Exit No. 2, excavation and installation of the support structure completed this period. Construction crews began installation of electrical raceway and HVAC duct hangers and supports at mezzanine level, and started placing acoustical finish material at track level.

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# **PROJECT OVERVIEW & STATUS**

At the Soto Station, construction crews completed exterior wall concrete pours at mezzanine level and installed the shoring system for the roof slab at the east end of the station. The first roof concrete slab section at the west end was poured this period and interior wall construction at mezzanine level began. Also, excavation and structural support installation at the Emergency Exit No. 2 was completed this period.

At the West Portal, completion of the backfill above the roof section is nearing completion. Construction crews continue to install concrete support beds for multiple utility lines and backfilling around them. The contractor also continued the planning for the removal of the temporary street deck and for street restoration, which is scheduled to begin at the end of next month.

At the East Portal, construction of the last portal structural section next to the hammerhead continued per plan. Field crews completed placing rebar, embeds, forms and concrete for the mezzanine slab and began construction of the exhaust/intake vent shaft structure. Also this period, installation of walkways at the track level and concrete barriers at the street level completed.

At-grade construction is proceeding according to plan. Construction of the temporary baggage-handling road at Union Station is nearing completion. Field crews completed fine grading the road sub-base at the west end and prepared for placing the lighter weight base slab. Also, track installation at the intersection with the US-101 Freeway LRT Bridge began this period. Along Alameda Street (Segment 1), installation of the Mechanically Stabilized Earth (MSE) wall is also nearing completion. Guideway construction and installation of both tracks along the Little Tokyo/Arts District Station completed this period.

Along 1<sup>st</sup> Street between Alameda and Hewitt Streets (Segment 2A), track installation resumed this period. Field crews completed fine grading the guideway, poured the track base slab and installed rail and fasteners. Also, underground conduit and foundations for train control devices and cabinets were installed. Along 1<sup>st</sup> Street between Vignes Streets and the West Portal (Segment 2B), construction of the guideway/track continued per schedule. At the 1<sup>st</sup> Street Bridge, under a 30-day full closure, field crews installed the track base slab, installed embedded rail and poured the stamped concrete between the tracks. The Bridge was reopened to two-way traffic at the end of this period. The track installation at the intersection of 1<sup>st</sup> Street and Mission Road was completed as well. Also, east of Mission Road installation of OCS pole foundations and duct bank began.

Construction along 1<sup>st</sup> Street between Lorena and Indiana Streets in Segment 4A continued per the schedule. Construction crews continued installing track along the guideway and began street improvements at the north side of the 1<sup>st</sup> Street and Indiana Street intersection. Construction of the guideway south of the Indiana Station (Segment 4B) continued this period. Installation of OCS pole foundations and duct bank completed and rail installation began.

# **PROJECT OVERVIEW & STATUS**

Construction along 3<sup>rd</sup> Street in Segment 5, between Ditman and Eastern Avenues, continued according to plan. Between Rowan and Ditman Avenues, field crews completed guideway demolition and excavation work as well as OCS pole foundations and duct bank. Also, track installation began this period. At Sunol Road and 3<sup>rd</sup> Street, the TPS-04 substation concrete foundation was poured and the substation control building was set on the foundation. Construction crews began stringing OCS wire along the U-channel, east of Downey Road.

Between Mednik and Eastern Avenues (Segment 6), guideway construction also continued per plan. Field crews completed fabrication and installation of OCS pole brackets and "C" arms and began stringing wire east of Eastern Avenue. At the TPS-05 site, installation of underground conduit for power feeds, stub-ups and vaults began this period and the ground grid installation and testing was completed.

At the east end of the alignment along 3<sup>rd</sup> Street between Atlantic Boulevard and Mednik Street (Segment 7), guideway construction is nearing completion. Field crews continued installing the track crossover. The track plinth was placed and sections of the specialized rail were installed this period.

In other areas of the alignment, at-grade station construction continues according to plan. Construction crews began installation of conduit and raceways inside the TC&C room at Atlantic Station. At the Maravilla Station, erection of steel canopy frames continued. The embedded track installation at the Indiana Station completed this period and the access walkway walls construction continued per schedule. At the Pico/Aliso Station, field crews poured the station platform invert concrete slab and began installing platform walls rebar, embeds and forms.

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. To date, a total of twenty-two vehicles have been assembled and of those, nine vehicles are going through the pre-acceptance process before entering the final inspection and commissioning phase. There are some quality issues with the assembled vehicles that are preventing vehicle deliveries to the commissioning site. Metro staff met with the vendor's staff in Italy this period to address these issues. Significant progress was made toward resolving critical issues and evaluating the current production plan. A revised car delivery schedule that meets Metro's need was requested.

The Universal Fare System (UFS) equipment fabrication is proceeding per the revised plan. The vendor completed fabrication of the Ticket Vending Machines (TVM) and the Stand Alone Validators (SAV) this period. The vendor started preparations to begin production of equipment damage and vandalism, equipment installation will be deferred to the period of

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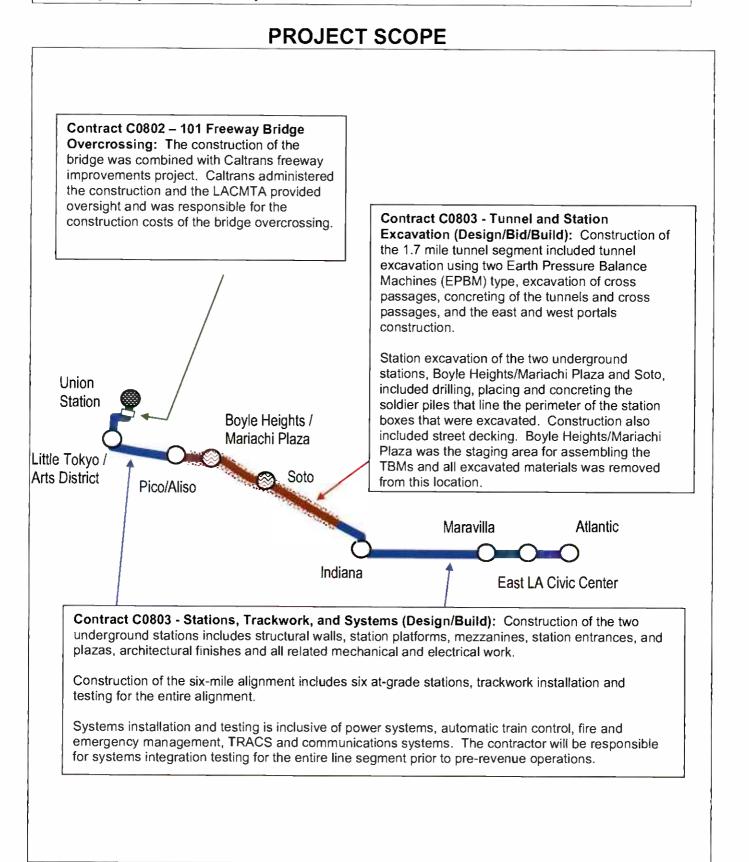
# **PROJECT OVERVIEW & STATUS**

Pre-Revenue Operations. Therefore, it will be necessary for the vendor to store the completed equipment 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 developing shop drawings with multiple fabricators and providing mounting details to the C0803 contractor. Metro and ELRTC staff are continuing with coordination meetings, where fabrication and installation issues are discussed.

# **MANAGEMENT ISSUES**

No Management Issues for the period ending February 2008.



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

	Milestone Date	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08
Started Construction of the Boyle/Heights Mariachi Plaza Station Platform	02/08/08 *	0					
Completed Delivery of Overhead Catenary System Poles	02/21/08 *	0					
Started Rail Installation in the Tunnels	02/25/08 *	0					
City of Los Angeles Award First Street Bridge Phase III Widening Contract	03/10/08 *						
Complete MSE Wall From Commercial Street to Alameda Street - Segment 1	03/12/08 *		0				
Complete Civil Guideway Construction - Segment 7 East End of the Algnment	03/12/08 *		0				
Complete Mezzanine Level Walls at Soto Station	03/20/08 *		0				
Start Installation of Cable Transmission System - Segment 7 East End of the Alignment	03/27/08 *		0				
City of Los Angeles Issue First Street Bridge Phase III Widening Contract NTP	03/27/08 *						
Start Street Restoration Above the West Portal	03/28/08 *		0				
Start Communications Installation - Atlantic Station	04/14/08 *			0			
Complete Construction of the East Portal Structure	04/14/08 *			0			
Complete Temporary Baggage Handling Road at Union Station	04/22/08 *			0			
Complete Street Improvements Throughout the Alignment	05/07/08				0		
Complete Civil Guideway Construction - Segments 2A and 2B	05/08/08 *				0		
Complete Entrance Structure at Boyle Heights/Mariachi Plaza Station	06/09/08 *					0	
Start Installation of the Radio System in the Tunnels	06/24/08 *					0	
Complete At-Grade Stations Canopy Installation	06/30/08 *					0	-
Start Installation of Elevators and Escalators at Underground Stations	07/02/08 *						0
Complete Civil Guideway & Track Construction in the Tunnels - Segment 3	07/07/08						0
Complete Installation of Traction Power Substations	07/30/08 *						0
	LRT Constructor	<b>m</b>		FTA Appro	oval Board App <b>r</b> o	val	

Activity	Activity Description	Rem Dur	Early Start	Early Finish	ZTTS ZONG JEMAMJJASON
803 Metro Gol	d Line Eastside Extension (ELRTC)	-			JIF MARIJIJA STOPPOJFINA MIJIJA STOP
	& P for C0801 Elements				
ortal & Undergro				_	
Soyle Heights / Ma		_	_		
Excavation and Si		_	2.5	_	
	si Street Rool Backfill	13	19NOV07A	26JUN08	Ist Street Roof Backfill
ASES BL050 B	emove Deck Planks Beam/Temo Pave/Backfill	15	27JUN08	21JUL08	Remove Deck Planks BeanvTemp Pave/Backfill
Concrete / Structu	Ire	4			
	laza Mezz Slab/Sloping Invert	20	25FEB08A	08APR08	Aza Mezz Slab/Sloping Invert
	laza Upper Ext Walls		09APR08	29APR08	Plaza Upper Ext Walls
	laza Shoring		01MAY08	15MAY08	Plaza Shoring
	aza Roof Slab		16MAY08	09JUND8	Plaza Roof Slab
Archt/Finishes (P		15	T DIVLAT U/O	7930408	
AJARCEW110 G		26	14MAY08	19JUN08	GL 2-11 Ceiling
	L 2-11 Ceiling Finish	25	15JUL08	2130108	
		9	SJULDO	£130008	IGL 2-11 Coiling Finish
	Iaza/Landing/Emergency Exit)	46	22.11.1.00	13211000	INCT. Canada Constant Cont. Diverse (1942)
		15	22JUL08	12AUG08	INSTL Canopy Structure Steel-Plaza (MW)
Mechanical/Plumb	ISTL Escalator #3 (GL 8-9 Platform)	20	22.0.0.00	1105000	
		35	22JUL08	11SEP08	INSTL Escalator #3 (GL 8-9 Platform)
	STL Escalator #4 (GL 8-9 Platform)	35	22JUL08	11SEP08	INSTL Escalator #4 (GL 8-9 Platform)
	ISTL Escalator #1A/ 1B (GL 15 Mezz)	50	20AUG08	310CT08	INSTL Escalator #1A/ 1B (GL 15 Mezz)
	STL Escalator #2A/ 2B (GL 15 Mezz)	50	05SEP08	17NOV08	NSTL Escalator #2A/ 2B (GL 15 Mezz)
A3MECBW245 Te	ist Escalator #2	16	18NOV08	12DEC08	Test Escalator #2
Signals and Lighti					
AJEL BW020 IN	STL Traffic Signal/St Lightings/Striping (MW)	28	10DEC07A	30DEC08	INSTL Traffic \$ignal/St Lightings/S
Street Improvemen		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·
	ST, Stree1 Restoration Manachi Station Area	60	12SEP08	10DEC08	tion Mirracht Station Area
Electrical/Lighting		- 1			T T
A3EL BW085 GI	2-11 Lighting - Platform Lev	15	20JUN09	14JUL08	GL 2-11 Lighting - Platform Lev
andscaping					¥
ASARCBW105 La	ndscaping @ Plaza Level	20	13AUG08	11SEP08	Landscaping @ Plaza Level
nstatlation / Field					+
A3TS MS041 Ek		10	15DEC08	30DEC08	Elec Test
	hi Plaza Station Area for MS1	7			Y
	eparation Punch List Mariachi Sta for MS#1	20	05JAN09	09FEB09	on Punch List Mariachi Sta for MS#1
oto Station					
Excavation and Su	Contraction of the Contraction o				
A2ES ST077 Ba	ckfill/Fine Grade Plaza Ground Level	15	23MAY08	16JUN08	Backfill/Fine Grade Plaza Ground Level
Date	01JUN02 Early Ba	NI602			
Date	20NOV09 Progress			Gold Line E	late Revision Checked Approved

PROJECT MASTER SCHEDULE

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Activity	Activity	Rem	Earty	Early	2007 2008 2009
Concrete / Str.	Description	Dur	Start	Finish	JEMANJJASONDJEMANJJASONDJEMAMJJASOND
A3SC SS075	Entrance Deck (1st Lift)	15	13MAR08	08APR08	Entrance Deck (1st Lift)
A3SC 55080	Entrance Ext Wall (2nd Lift)		09APR08	29APR08	
A3SC 55081	Entrance Deck (2nd Lift) incl Shoring			-	Entrance Ext Walt (2nd Lift)
			16APR08	CSMAY08	Entrance Deck (2nd Lift) incl Shoring
A3SC SS082	Entrance Ext Wall (3rd Lift) - South		09MAY08	22MAY08	Entrance Ext Wall (3rd Lift) - South
A3SC 55085	Entrance Deck (3rd Lift) incl Shoring	10	23MAY08	60NU L60	Entrance Deck (3rd Lift) Incl Shoring
	(Plaza/Landing/Emergency Exit)	1			
	GL 5-6 CMU @ TC & C RM	10		22APR08	IGL 5-6 CMU @ TC & C RM
	INSTL Canopy Structure Steel-Plaza (SS)	15	17JUN08	09JUL08	INSTL Canopy Structure Steel-Plaza (SS)
A state of the second s	mbing/Equip/Metals				Y III
	TC & C RM Fire Protection	5	23APR08	29APR08	TC & C RM Fire Protection
	TC & C RM HVAC	15	23APR08	15MAY08	TC & C RM HVAC
	INSTL Elevator #2 (GL3-4 Platform)	60	30JUN08	26SEP08	With STL Elevator #2 (GL3-4 Platform)
A3MECSS195	Elevator 1A Structure Frame/Glazing (SS)	15	10JUL08	30JUL08	Elevator 1A Structure Frame/Glazing (SS)
A3MECSS210	INSTL Elevator #1 (GL 5 Mezz)	60	31JUL08	2800708	N\$TL Elevator #1 (GL 5 Mezz)
A3MECSS225	Test Elevator #1	40	290CT08	24DEC08	Test Elevator #1
Electrical/Light	ing			1_	
A3EL \$\$180	TC & C RM Power	10	16MAY08	30MAY08	TC & C RM Power
AJEL SS190	TC & C RM Lighting	10	03JUN08	16.JUN08	TC & C RM Lighting
Installation / Fi	eld Tests				
A3TS SS041	Elec Test	10	29DEC08	16JAN09	Elec Test
Punch List Sol	to Station Area for MS1	-			
A3PC1 SS05	Preparation Punch List Solo Sta Area for MS#1	20	19JAN09	23FEB09	Preparation Punch List Soto Sta Area for MS#1
lainline Guide	way Civil Work				
Segment 3			-		
Track Work					
A3TR \$3015	Time to Obtain Tunnel Welding Permit from OSHA	10	21FE808A	20MAR08	Time to Obtain Tunnel Welding Permit from OSHA
A3TR \$3005	SG3 EP to Solo - WB	10	21MAR08	08APR08	SG3 EP to Soto - WB
A3TR S3006	SG3 Soto - WB	5	09APR08	15APR08	SG3 Soto - WB
A3TR \$3011	SG3 Soto - EB	5	09APR08	15APR08	SG3 Soto - EB
A3TR \$3007	SG3 Solo to Mariachi - W8	10	16APR08	29APR08	SG3 Soto to Mariachi - WB
A3TR \$3008	SG3 Mariachi - WB	5	01MAY08	08MAY08	LSG3 Mariachi - WB
A3TR S3013	SG3 Mariach - EB	5	01MAY08	08MAY08	SG3 Mariachi - EB
A3TR \$3009	SG3 Mariache to WP - WB	1	07MAY08	20MAY08	SG3 Mariachi to WP - WB
A3TR \$3010	SG3 EP to Soto - EB	1	21MAY08	05JUN08	SG3 EP to Soto - EB
		10	- T141-43 (MQ)	00001100	
Date	01JUN02	14802			Sheet 2 of 6
n Date Date Date	0100002 30NDV09 D1MAR08 25MAR08 13.45 Cnicol Act	ân	Metro L	T-26 Critical	Anter 2016 Date Revision Chedeed Approvool Path Schedule 29FEB08 Petrus y 2008 Schedule Update AA Revision

PROJECT MASTER SCHEDULE

	Activity Description	Rom Dur	Early Start	Early Finish	2007 2008 2009 FMAMJJASONDJFMAMJJASONDJFMAMJJASOND
Segment 7					
Track Work					
A3TR \$7010	Crossover @ Woods	5	26NOV07A	12MAR08	Crossover @ Woods
	tact System (OCS)	_			
nsion Section	13				
onstruction		-			
	Sta 170+90-219+55 WB Install OCS Poles	3	21MAY08	23MAY08	Sta 170+90 219+55 WB Instati OCS Poles
BOCTL3020	Sta 170-90-219-55 WB Del to Site/Install C Arms	4	27MAY08	30MAY08	Sta 170+90-219+55 WB Del to Site/Install C Arms
BOCTL3030	Sta 170-90-219-55 WBDel to Site4nst SCFT Assys	19		7JUN08	Sta 170+90-219+55 WBDel to Site/Insti SCFT Assys
BOCTL3040	Sta 170+90-219+55 WB String Wire	3	30JUN08	03JUL08	Sta 170+90-219+55 WB String Wire
BOCTL3050	Sta 170+90-219+55 WB Instl Sec Insulators/Comp	13	07JUL08	23JUL08	Sta 170+90-219+55 WB Insti Sec Insulators/Comp
BOCTL3060	Sta 170+90-219+55 WB Tension Wire	2	24JUL08	25JUL08	Sta 170+90-219+55 WB Tension Wire
380CTL3065	Sta 170+90-219+55 EB Install OCS Poles	3	28JUL08	30.JUL08	Sta 170+90-219+55 EB Install OCS Poles
BOCTL3067	Sta 170+90-219+55 Del lo Site/Install C Arms	4	31JUL08	D6AUG08	Sta 170+90-219+55 Del to Site/Install C Arms
BOCTL3070	Sta 170+90-219+55 EBDel to Site/InstI SCFT Assys	20	07AUG08	04SEP08	Sta 170+90-219+55 EBDel to Siterioristi SCFT Assys
BOCTL3080	Sta 170+90-219+55 EB String Wire	2	05SEP08	09SEP08	Sta 170+90-219+55 EB String Wire
BOCTL3090	Sta 170+90-219+55 EB Instil Sec Insulators/Comp	12	10SEP08	25SEP08	Sta 170+90-219+55 EB Insti Sec Insulators/Comp
BOCTL3100	Sta 170+90-219+55 EB Tension Wire	2	26SEP03	29SEP08	Sta 170+90-219+55 EB Tension Wire
nsion Section					
onstruction					V III
BOCTL4065	Sta 217+32-277+84 EB Install OCS Poles	1	06JUN06	80/JULAO	Sta 217+32-277+84 EB Install OCS Poles
30CTL4067	Sta 217 - 32-277 - 84 EB Del to Site/Instl C Arms	3	09JUN06	11JUN08	Sta 217+32-277+84 EB Del to Site/Insti C Arms
BOCTL4070	Sta 217+32-277+84 EBDel to Site/Insti SCFT Assy	20	12.JUN08	E1JUL05	Sta 217+32-277+84 EBDel to Site/Insti SCFT Assy
BOCTL4080	Sta 217+32-277+84 EB String Wire	3	14JUL08	16JUL08	Sta 217+32-277+84 EB String Wire
BOCTL4090	Sta 217+32-277+84 EB instl Sec Insulators/Comp	5	17JUL08	23JUL08	Sta 217+32-277+84 EB Inst! Sec Insulators/Comp
BOCTL4095	CN66.02 Sta 217+32-277+84 EB Inst! Sec Insul	13	24.JUL08	12AUG08	CN66.02 Sta 217+32-277+84 EB Insti Sec Insut
BOCTL4100	Sta 217+32-277+84 EB Tension Wire	2	13AUG08	14AUG08	Sta 217+32-277+84 EB Tension Wire
nsion Section	5	-			
onstruction		_			
	Sta 274+02-312+41 Install OCS Poles	3	26FEB08A	19AUG08	Sta 274+02-312+41 Install OCS Poles
BOCTL5020	Sta 274+02-312+41 Del to Site/Instl C Arms	20	20AUG08	18SEP08	Sta 274+02-312+41 Del to Sile/Insti C Arms
BOCTL5030	Sta 274+02-312+41 String Wire	4	19SEP08	24SEP08	Sta 274+02-312+41 String Wire
	Sta 274+02-312+41 Instl Sec Insulators/Comp	20	25SEP08	23OCT08	Sta 274+02-312+41 Instit Sec Insulators/Comp
BOCTL5040		1	24OCT08	290CT08	Sta 274+02-312+41 Tension Wire

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# Metro Gold Line Eastside Extension Monthly Project Status Report

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ID	Activity Description	Rera Dur	Early Start	Early Finish	2007 2008 JEMARJJJASONDJENAMJJASQNDJEMAMJJASOND
ommunicatio	on Systems				
Segment 3					
Construction					7
BBCS3410	Soto Sin Install Racks and UPS Systems	9	03JUN08	13JUN08	Soto Stn Install Racks and UPS Systems
BBCS3405	Soto Stn. Activity Install Comms System	130*	03JUN08	12DEC08	Soto Stn. Activity Install Commis System
BBCS3420	Soto Stn. Pull Local Cable to all device Loctns	20	16JUN08	15JUL08	Soto Stn. Pull Local Cable to all device Loctns
BBCS3430	Soto Str. Install Cameras	7	16JUI 08	24JUL08	Soto Stn Install Cameras
BBC53440	Soto Str. Install Speakers and VMS Signs	15	25JUL08	15AUG08	Soto Stn Install Speakers and VMS Signs
BBCS3450	Soto Stn Install Seismic Devices	7	18AUG08	26AUG08	Soto Str. Install Seismic Devices
B8CS3460	Soto Stn Install Scada Devices	7	27AUG08	05SEP08	Soto Ste Install Scada Devices
BBCS3470	Soto Stn. Install Gas Detect Devices	4	09SEP08	12SEP08	Soto Stn. Install Gas Detect Devices
BBC\$3480	Solo Stn. Install Telephones (All)	9	15SEP08	25SEP08	Soto Stn Install Telephones (All)
BBCS3490	Soto Str. Install Intrusion Detect Devices	4	26SEP08	02OCT08	Soto Str. Install Intrusion Detect Devices
BBCS3500	Soto Stn. Install Fire Detect Devices	9	03OCT08	15OCT08	Soto Sto Install Fire Detect Devices
BBCS3510	Soto Stn. Wire Universal Fare collect Devices	10	16OCT08	29OCT08	Soto Stri Wire Universal Fare collect Devices
BBCS3520	Soto Stn. Splice Fiber Optic Cable	4	3000008	04NOV08	Soto Stn Splice Fiber Optic Cable
BBCS3530	Soto Stn. Term/Conn all Devices	16	05NOV08	26NOV08	Soto Stn Term/Conn all Devices
88C\$3532	Soto Stn Local testing	9	01DEC08	120EC08	Soto Stn Local testing
rain Control : legment 5				Carlo and Carlo	
Contraction of the local division of the loc	Express Cable install (Seg 5)	30	04APR08	19MAY08	Express Cable install (Seg 5)
egment 5 Construction		-	04APR08 20MAY08	19MAY08 30MAY08	Express Cable install (Seg 5) C. Case and Signals 316+00 U/G Work, Cond. and
egment 5 Construction BBTC5290	Express Cable install (Seg 5)	-			
egment 5 Construction BBTC5290 BBTC5110	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and	8	20MAY08	30MAY08	C. Case and Signals 316+00 U/G Work, Cond. and
Construction BBTC5290 BBTC5110 BBTC5050	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds	8 39 2	20MAY08 03JUN08	30MAY08 29JUL08	C. Case and Signals 316+00 U/G Work, Cond. and
egment 5 Construction BBTC5290 BBTC5110 BBTC5050 BBTC5020	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds C. Case 295+00 U/G Work, Cond.	8 39 2 16	20MAY08 03JUN08 30JUL08	30MAY08 29JUL08 31JUL08	C. Case and Signals 316+00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds C. Case 295+00 U/G Work, Cond.
egment 5 Construction BBTC5290 BBTC5110 BBTC5050 BBTC5020 BBTC5060	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds C. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Brids, Sw/Mc, TWC ant	8 39 2 16	20MAY08 03JUN08 30JUL08 04AUG08	30MAY08 29JUL08 31JUL08 25AUG08	C. Case and Signals 316+00 U/G Work, Cond. and Lindiana Interlocker U/G Work, Cond. and Founds IC. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Bnds, SwiMc, TWC and
Barrent 5           Construction           BBTC5290           BBTC5110           BBTC5000           BBTC5020           BBTC5060           BBTC5060           BBTC5070	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds C. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Brids, Sw/Mc, TWC ant Indiana Interlocker Set Racks, Signals	8 39 2 16 8	20MAY08 03JUN08 30JUL08 04AUG08 26AUG08	30MAY08 29JUL08 31JUL08 25AUG08 05SEP08	C. Case and Signals 316+00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds JC. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Bnds, SwiMc, TWC ant Indiana Interlocker Set Racks, Signals
Segment 5           Construction           BBTC5290           BBTC5050           BBTC5020           BBTC5020           BBTC5000           BBTC5000           BBTC5070           BBTC5080	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana interlocker U/G Work, Cond. and Founds C. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Brids, Sw/Mc, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable	8 39 2 16 8 8	20MAY08 03JUN08 30JUL08 04AUG08 26AUG08 09SEP08	30MAY08 29JUL08 31JUL08 25AUG08 05SEP08 18SEP08	C. Case and Signals 316+00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds IC. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Bnds, SwiMc, TWC anti- Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable
Image: Segment 5           Construction           BBTC5290           BBTC5290           BBTC5050           BBTC5020	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana interlocker U/G Work, Cond. and Founds C. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Brids, Sw/Mc, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable Indiana Interlocker Conn Devices/Term Cable	8 39 2 16 8 8	20MAY08 03JUN08 30JUL08 04AUG08 26AUG08 09SEP08 19SEP08	30MAY08 29JUL08 31JUL08 25AUG08 05SEP08 18SEP08 30SEP08	C. Case and Signals 316+00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds IC. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Bnds, SwiMc, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable
Barnent 5           Construction           BBTC5290           BBTC5290           BBTC5050           BBTC5020	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana interlocker U/G Work, Cond. and Founds C. Case 295-00 U/G Work, Cond. Indiana Interlocker Set Imp Brids, Sw/Mc, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable Indiana Interlocker Conn Devices/Term Cable C. Case 295+00 Inst Cases, Pull Cable/Conn/Term	8 39 2 16 8 8	20MAY08 03JUN08 30JUL08 04AUG08 26AUG08 09SEP08 19SEP08 02OCT08	30/MAY08 29JUL08 31JUL08 25AUG08 055EP08 185EP08 30SEP08 02OCT08	C. Case and Signals 316+00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds IC. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Bnds, SwiMc, TWC anti- Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable Indiana Interlocker Conn Devices/Term Cable C. Case 295+00 Inst Cases, Full Cable/Conn/Term
Barnent 5           Construction           BBTC5290           BBTC5290           BBTC5050           BBTC5020           BBTC5170	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana interlocker U/G Work, Cond. and Founds C. Case 295-00 U/G Work, Cond. Indiana Interlocker Set Imp Brids, Sw/Mc, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable Indiana Interlocker Conn Devices/Term Cable C. Case 295+00 Inst Cases, Pull Cable/Conn/Term C. Case 325+00 Inst Cases, Pull Cable/Conn/Term	8 39 2 16 8 8 8 1 1	20MAY08 03JUN08 30JUL08 04AUG08 26AUG08 09SEP08 19SEP08 02OCT08 03OCT08	30/44Y08 29JUL08 31JUL08 25AUG08 055EP08 185EP08 305EP08 020CT08 030CT08	C. Case and Signals 316+00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds IC. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Bnds, SwiMe, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable C. Case 295+00 Inst Cases, Full Cable/Conn/Term C. Case 325+00 Inst Cases, Pull Cable/Conn/Term
Barnent 5           Construction           BBTC5290           BBTC5290           BBTC5020           BBTC5170           BBTC5200	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds C. Case 295-00 U/G Work, Cond. Indiana Interlocker Set Imp Brids, Sw/Mc, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable Indiana Interlocker Pull Cable Indiana Interlocker Conn Devices/Term Cable C. Case 295+00 Inst Cases, Pull Cable/Conn/Term C. Case 325+00 Inst Cases, Pull Cable/Conn/Term Downey Interface Inst Cases, Signals	8 39 2 16 8 8 8 1 1	20MAY08 03JUN08 30JUL08 04AUG08 26AUG08 09SEP08 19SEP08 02OCT08 03OCT08 06OCT08	30/4AY08 29JUL08 31JUL08 25AUG08 05SEP08 18SEP08 30SEP08 02OCT08 03OCT08 15OCT08	C. Case and Signals 316+00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds C. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Bnds, SwiMe, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable C. Case 295+00 Inst Cases, Full Cable/Conn/Term C. Case 325+00 Inst Cases, Full Cable/Conn/Term Downey Interface Inst Cases, Signals
Barnent 5           Construction           BBTC5290           BBTC5290           BBTC5050           BBTC5020           BBTC5200           BBTC5210	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds C. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Brids, Sw/Mc, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable Indiana Interlocker Pull Cable Indiana Interlocker Conn Devices/Term Cable C. Case 295+00 Inst Cases, Pull Cable/Conn/Term C. Case 325+00 Inst Cases, Pull Cable/Conn/Term Downey Interlace Inst Cases, Signals Downey Interlace Pull Cable	8 39 2 16 8 8 8 1 1	20MAY08 03JUN08 30JUL08 04AUG08 26AUG08 09SEP08 19SEP08 02OCT08 03OCT08 06OCT08 16OCT08	30/44Y08 29JUL08 31JUL08 25AUG08 05SEP08 18SEP08 02OCT08 03OCT08 15OCT08 21OCT08	C. Case and Signals 316+00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds IC. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Bnds, SwiMe, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable C. Case 295+00 Inst Cases, Full Cable/Conn/Term C. Case 325+00 Inst Cases, Full Cable/Conn/Term Downey Interface Inst Cases, Signals Downey Interface Puti Cable
Barnent 5           Construction           BBTC5290           BBTC5290           BBTC5050           BBTC5020           BBTC5200           BBTC5210           BBTC5220	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds C. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Brids, Sw/Mc, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable Indiana Interlocker Pull Cable Indiana Interlocker Conn Devices/Term Cable C. Case 295+00 Inst Cases, Pull Cable/Conn/Term C. Case 325+00 Inst Cases, Pull Cable/Conn/Term Downey Interlace Inst Cases, Signals Downey Interlace Pull Cable	8 39 2 16 8 8 8 1 1	20MAY08 03JUN08 30JUL08 04AUG08 26AUG08 09SEP08 19SEP08 02OCT08 03OCT08 06OCT08 16OCT08	30/44Y08 29JUL08 31JUL08 25AUG08 05SEP08 18SEP08 02OCT08 03OCT08 15OCT08 21OCT08	C. Case and Signals 316+00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds IC. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Bnds, SwiMe, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable C. Case 295+00 Inst Cases, Full Cable/Conn/Term C. Case 325+00 Inst Cases, Full Cable/Conn/Term Downey Interface Inst Cases, Signals Downey Interface Puti Cable
Image: Provide and the system           Construction           BBTC5290           BBTC5290           BBTC5050           BBTC5020           BBTC5210           BBTC5220           Segment 6	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds C. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Brids, Sw/Mc, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable Indiana Interlocker Pull Cable Indiana Interlocker Conn Devices/Term Cable C. Case 295+00 Inst Cases, Pull Cable/Conn/Term C. Case 325+00 Inst Cases, Pull Cable/Conn/Term Downey Interlace Inst Cases, Signals Downey Interlace Pull Cable	8 39 2 16 8 8 8 1 1 1 8 4 4 4	20MAY08 03JUN08 30JUL08 04AUG08 26AUG08 09SEP08 19SEP08 02OCT08 03OCT08 06OCT08 16OCT08	30/44Y08 29JUL08 31JUL08 25AUG08 05SEP08 18SEP08 02OCT08 03OCT08 15OCT08 21OCT08	C. Case and Signals 316+00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds IC. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Bnds, SwiMe, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable C. Case 295+00 Inst Cases, Full Cable/Conn/Term C. Case 325+00 Inst Cases, Full Cable/Conn/Term Downey Interface Inst Cases, Signals Downey Interface Puti Cable
Image: Construction           BBTC5290           BBTC5290           BBTC5050           BBTC5020           BBTC5210           BBTC5220           Sgment 6           Construction	Express Cable install (Seg 5) C. Case and Signals 316-00 U/G Work, Cond. and Indiana Interfocker U/G Work, Cond. and Founds C. Case 295-00 U/G Work, Cond. Indiana Interfocker Set Imp Bnds, Sw/Mc, TWC ant Indiana Interfocker Set Racks, Signals Indiana Interfocker Pull Cable Indiana Interfocker Conn Devices/Term Cable C. Case 295+00 Inst Cases, Pull Cable/Conn/Term C. Case 325+00 Inst Cases, Pull Cable/Conn/Term Downey Interface Inst Cases, Signals Downey Interface Conn Devices/Term Cable Downey Interface Conn Devices/Term Cable	8 39 2 16 8 8 8 1 1 1 8 4 4 4	20MAY08 03JUN08 30JUL08 04AUG08 26AUG08 09SEP08 020CT08 030CT08 060CT08 160CT08 220CT08	30//AY08 29JUL08 31JUL08 25AUG08 055EP08 185EP08 020CT08 030CT08 150CT08 210CT08 210CT08	C. Case and Signals 316+00 U/G Work, Cond. and Indiana Interlocker U/G Work, Cond. and Founds C. Case 295+00 U/G Work, Cond. Indiana Interlocker Set Imp Bnds, SwiMe, TWC ant Indiana Interlocker Set Racks, Signals Indiana Interlocker Pull Cable C. Case 295+00 Inst Cases, Pull Cable/Conn/Term C. Case 325+00 Inst Cases, Pull Cable/Conn/Term Downey Interface Inst Cases, Signals Downey Interface Pull Cable Downey Interface Conn Devices/Term Cable

PROJECT MASTER SCHEDULE

Activity	Activity	Rem	Earty	Early	2007 2008 0000
ID	Description	Dur	Start	Finish	JEMANIJJJAS ONDJEMANJJJASONDJEMANJJJASOND
Segment 7		_			
Construction BBTC7370	Express Cable Install (Seg 7)	40	13MAR08	09APR08	
	Enthiese came marain (and a)	10	DUMMEROD	USAPTRUS	Express Cable install (Seg 7)
esting Jubmitta	the second s	_			
Communicatio	an System	_			
the later of the l	Submit CS System Testing Reports	25	13JAN09	16FE809	Submit CS System Testing Reports
Integration / F	ield Tests	L 1			
	Submit System Integration Test Reports	20	12DEC08	12JAN09	Submit Sys om Integration Test Reports
A3SUTST030	Rev/Approval System Integration Test Reports	22	13JAN09	11FEB09	ReviApproval System Integration Test Reports
kalniine Guide	way		Sec.5		
Track Work		-			
ASTST TK05	Rail Activation Demonstration	20	19.JAN09	23FEB09	Rail Activation Demonstration
Communicatio	n System				
Field Acceptar	nce Tests				
BBST522	Test Soto Station 221+50	15	15DEC08	12JAND9	Tesi Soto Station 221+50
Integration / F					
BBST541	Test Comm. System Inteface Testing - System Wide	20	13JAN09	17FEB09	Test Comm System Inteface Testing - System Wide
BBST542	Communication System Reliability Test	30	16APR09	01JUN09	Communication System Reliability Test
rain Control			1		
Field Acceptar					<b>T</b>
BBST190	Test Downey Interface 327+50	10	28OCT08	10NOV08	Test Downey Interface 327+50
	Acceptance Tests				
BBST285	Tran Cirl - ATP Dynamic / Acceptance Test	20	11NOV08	11DEC08	Train Ctrl - ATP Dinamic / Acceptance Test
Integration / Fi		at l			T T
BBST280	Train Control System Integration Test	20	11NOV08	110EC08	Train Control System Integration Test
Verhead Cont	act System tegration Tests				
BBST770	CCS Tension Sec 3 - Functional Test	13	1500708	3100108	CCS Tension Sec 3 - Functional Test
BBST790	OCS Tension Sec 5 - Functional Test		10NOV08	21NOV08	
	pocal relation dec 5 - Punctional Test	10	10140 408	21NUVU8	CCS Tension Sec 5 - Functional Test
ACCEPTINGE M BBST850	OCS TS 3 - Acceptance Measurement/Visual	10	30SEP08	140CT08	EXESTER According to the
BBST880	OCS TS 5 - Acceptance Measurement/Visual		27OCT08	07NOV08	CS TS 3 - Acceptance Measurement/Visual OCS TS 5 - Acceptance Measurement/Visual
OCS Electrical		IU.	2100100	071909000	Cool to a - model and a resolution of the state of the st
BST964	OCS - Electrical Test - Tension Sections 3 & 4	10	03NOV08	14NOV08	OCS - Electrical Test Tension Sections 3 & 4
BESTEGO	OCS - Electrical Test		03NOV08	24DEC08	
38ST966	OCS - Electrical Test				OCS - Electrical Test
	the second se	-	24NOV08	17DEC08	
38ST962	OCS - Electrical Test - Tension Sections 1 & 2	5	18DEC08	24DEC08	OCS - Electrical Test - Tension Sections 1 & 24

ID	Activity Description	Rem Dur	Early Start	Earty Finish	JEMANJJASONOJEMANJJASONOJEMAJJASONO
Integration Tes	sting	1000			
Clearance Em	velope Tests				
BBST946	Rail Activation Temp Systems	5	29DEC08	07JAN09	Rail Activation Temp Systems
BBST942	OCS Clearance Test Low and high Speed	10	29DEC08	16JAN09	OCS Clearance Test Low and high Speed
Integration Te	si				
BBSTP1091	Train Control Cab Signal Reception Test	2	19JAN09	21JAN09	Train Control Cab Signal Reception Test
BBSTP1092	Grade Crossing Activation	5	22JAN09	29JAN09	Grade Crossing Activation
BBSTP1093	TWC Operation test	5	30JAN09	09FEB09	TWC Operation test
BBSTP1094	Safe Braking test	10	10FEB09	26FEB09	Safe Braking test
88STP1095	Train Control Test	15	27FEB09	26MAR09	Train Control Test
General		-	-		
Sutimittal		-	and the second second		
General		1		40111001	Submit Final Class Out Day
A3SU 0230	Submit Final Close Out Documents	15	24FEB09	16MAR09	Submit Final Close Out Documents
A3SU 0235	Rev/Approval Final Close Out Documents	22	17MAR09	15APR09	Rev Approval Final Close Out Documents
Construction Operation Rec	witzmants				
	End Operation Requirement-Reliability Test Phase	30	02JUN09	14JUL09	End Operation Requirement-Reliability Tost Phase
General	and openantin in the second seco	00	02001100	1400000	
Milestone					
ATMS 0001	Mile Stone #1 Contract Completion (1652 CD)	Ð		23FE809	Mile Stone #1 Contract Completion (1652 CD) 📥 🔔
A1M\$ 0005	Mile Stone #5 Vacate Stage 38 (1800 cal days)	0		15APR09	Mile Sione #5 Vacate Stage 3B (1800 cal days)
TA Startup C	perations (Metro)	<u> </u>			
letro Startup	Operations				
Startup Operati	ions				
MTA Startup C	perations				
MTCC216	Pre-revenue Operations	100*	24FEB09*	14JUL09	Pre-revenue Operations
MTCC230	Revenue Operations Date	0		15JUL09	Revenue Operations Date

PROJECT MASTER SCHEDULE

# **CRITICAL PATH NARRATIVE**

### **Current Critical Path Analysis**

The C0803 contractor (ELRTC) continues to report an overall delay to their contractual completion date. Scheduling working sessions among Metro, ELRTC and their systems subcontractors continue to be held where the current status of the various remaining work components of the project are evaluated and a realistic approach to all remaining work is explored. The partial mitigation of the overall delay as had been reported previously by ELRTC has been negated by the contractor's slow track installation progress in the tunnels, which is on the critical path. The delay is due to a lack of clearance from OSHA to weld and cut rail in the tunnels. The contractor has submitted an application to obtain the necessary clearance from OSHA, which is expected early next period. Although this reported delay is impacting Contract C0803 substantial completion, it is not impacting the FFGA Revenue Operations Date.

ELRTC has expressed concerns that without the completion of Phase III of the 1<sup>st</sup> Street Bridge Widening Project, construction delays are expected with trackwork and systems installations on the bridge, which may further impact the substantial completion of their contract. This period with the advantage of having a full closure of the bridge, the contractor completed installation of the embedded track, thus removing this item from impacting contract completion.

Construction of Boyle Heights/Mariachi Plaza and Soto Stations are also on the project critical path. The current civil and structural plan is progressing per schedule. However, procurement of ventilation equipment and escalator/elevators is lagging. Installation of OCS 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**

ELE-	THE COMPANY AND A DESCRIPTION OF A DESCR	ORIGINAL	CURRENT	BUDGET	COMMIT	MENTS	EXPEND	TURES	CURRENT	FORECAST	BUDGET /
MENT	DESCRIPTION	BUDGET	PERIOD	TO DATE	PERIOD	TODATE	PERIOD	TODATE	PERIOD	TO DATE	FORECAST
С	CONSTRUCTION	633,221	-	651 961	139	652 893	9,842	481,761	<u>*:</u>	651,961	5
S	SPECIAL CONDITIONS	19,494	- 24	43 948	8	43,313	309	30 403	4	43,948	1
R	RIGHT-OF-WAY	40.358		42,299	(3,178)	43,004	(3,178)	40,498	ŧ	42,299	÷
Ρ	PROFESSIONAL SERVICES	135.304	12	135 841	3	125 767	874	116 263	10	135,841	-
PC	PROJECT CONTINGENCY	60,254	(B)	14,599			*	(8.1	÷S	14,599	÷
PR	PROJECT REVENUE	(4,617)	80	(4 633)	2	- G. 1	20	(44)	25	(4,633)	Ĩ
	SUBTOTAL	B84,014	1.	884,014	(3,029)	864,977	7,847	668,881	•	884,014	
PF	PROJECT FINANCE COST	14,800	2	14 800	1.018	3,481	1 018	3,481	8	14,800	5
	TOTAL	898,814		898,814	(2,010)	868,458	8,865	672,362		898,814	

# 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 decreased by a total of \$2.0 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. In the Right-of-Way element there was a decrease of \$3.2 million that reflects a partial payment by the City of Los Angeles for the purchase of a surplus property located at Garey & Ducommun. And in the Project Finance Cost element there was an increase of \$1.0 million that reflects an interest payment. Interest earned is received monthly and interest payments are made semi-annually. Interest earnings are not projected to be more than the interest costs. The \$868.5 million in Commitments to date represents 96.6% of the Original Budget.

### **Expenditures**

Expenditures are cumulative through January 2008. The Expenditures increased by a total of \$8.9 million this period. In the Construction element there was an increase of \$9.8 million primarily due to costs associated with Contract C0803 – Tunnel, Stations, Trackwork and Systems. In the Special Conditions element there was an increase of \$0.3 million for costs associated with the 3<sup>rd</sup> Party Master Cooperative Agreements with the City of Los Angeles. In the Right-of-Way element there was a decrease of \$3.2 million that reflects a partial payment by the City of Los Angeles for the purchase of a surplus property located at Garey & Ducommun. In the Professional Services element there was an increase of \$0.9 million for costs associated with Metro Project Administration, Design Support During Construction and Construction Management services. And in the Project Finance Cost element there was an increase of \$1.0 million that reflects an interest payment. The January 2008 invoice for Contract C0803 in the amount of \$10.0 million was posted in the Metro's Financial Information System (FIS) on February 1, 2008 and will be reflected in the next reporting period. The \$672.4 million in Expenditures to date represents 74.8% of the Original Budget.

# **PROJECT COST STATUS**

ELE-	<b>NET OF THE O</b>	ORIGINAL	CURREN	BUDGET	COMMIT	MENTS	EXPEND	TURES	CURRENT	FORECAST	BUDGET /
MENT	DESCRIPTION	BUDGET	PERIOD	TODATE	PERIOD	TODATE	PERIOD	TO DATE	PERIOD	TODATE	FORECAST
С	CONSTRUCTION	18,000		41,174	8	34 934	276	9,141	-	41,174	1 1
S	SPECIAL CONDITIONS	1	12	2,719	41	1.891	7	1,120	- F	2,719	i.
R	RIGHT-OF-WAY	±5	12	1.04	20		<b>5</b> 2		1.5	1.0	-
Ρ	PROFESSIONAL SERVICES	E C	1	2,280	¥	1,393	98	351	14	2,280	
PC	PROJECT CONTINGENCY	2	10	1.000	×.		*	8	-		-
PR	PROJECT REVENUE		32	(4.087)	2	(4,595)	- 20	(279)	2	(4,087)	
P.C.	SUBTOTAL	18,000		42,086	41	33,624	381	10,334	N	42,086	
PF	PROJECT FINANCE COST			1 1441	15	. 92		- 3- i			
-	TOTAL	18,000		42,086	41	33,624	381	10.334	1000	42,086	Voters

# **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 increased by \$41K this period for the preparation of the Forensic Audit Report Recommendations and Environmental clearance for the Atlantic Pomona Parking Structure by Jones & Stokes Associates. The \$33.6 million in Commitments to date represents 79.9% of the Current Budget.

### **Expenditures**

Expenditures are cumulative through January 2008. The Expenditures increased by \$0.4 million this period due to mitigation of the 1<sup>st</sup> Street Bridge Viaduct Widening – Phase 1, historic street lighting, traction power sectionalization, urban design elements, Metro Project Administration costs, and Design Support During Construction. The January 2008 invoice for Contract C0803 in the amount of \$0.2 million was posted in the Metro's Financial Information System (FIS) on February 1, 2008 and will be reflected in the next reporting period. The \$10.3 million in Expenditures to date represents 24.6% of the Current Budget.

### FINANCIAL/GRANT STATUS - ORIGINAL SCOPE ACTIVITIES

SOURCE	(A) OR GINAL BUDGET	(8) TOTAL FUNDS	(C) TOTAL FUNDS	(D) COMMI	(D/B) TMENTS	(E) EXPEN	(E/B) IDITURES	(F) BILLED TO SOURC	
		ANTICIPATED	AVAILABLE	\$	%	\$	%	\$	%
FEDERAL SECTION 5309 NEW START	\$490.700	\$490.700	\$255 193	\$471.687	96%	\$337.179	69%	(1) \$337,179	69%
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%	\$131.796	75%	\$131.796	75%
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%	\$117.930	87%	\$98.257	72%
LEASE REVENUES	\$10.100	\$10 100	\$10 100	\$10 100	100%	\$10.100	100%	\$10 100	100%
ACCRUALS									
SUB-TOTAL PROP A / PROP C (INTEREST COST)	\$884,014 \$14,800	\$884.014 \$14.800	\$604.679 \$1 980	\$864.977 \$3.481	98% 24%	\$668 881 \$3 481	76% 24%	\$649.208 \$1 463	73% 10%
TOTAL	\$898.814	\$898.814	\$606 659	\$868.458	97%	\$672 362	75%	\$650.671	72%

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

### STATUS OF FUNDS ANTICIPATED

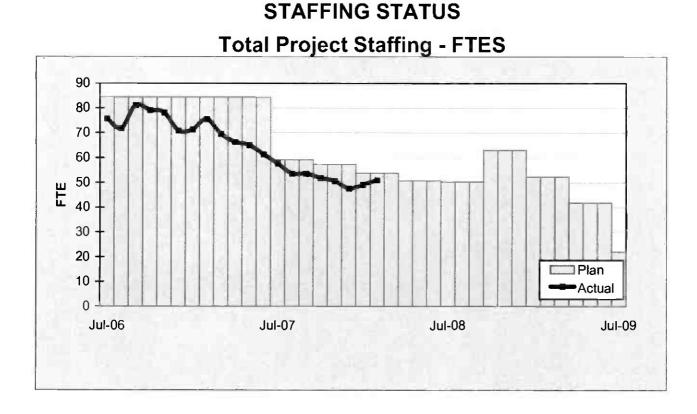
**FEDERAL SECTION 5309 NEW STARTS:** LACMTA has received an appropriation of \$100.0M through FY07. FTA is reviewing LACMTA grant application of \$78M prior to formal submittal.

**RIP-STATE:** LACMTA submitted an allocation request of \$43.8 to the CTC for consideration for their upcoming May 2008 meeting.

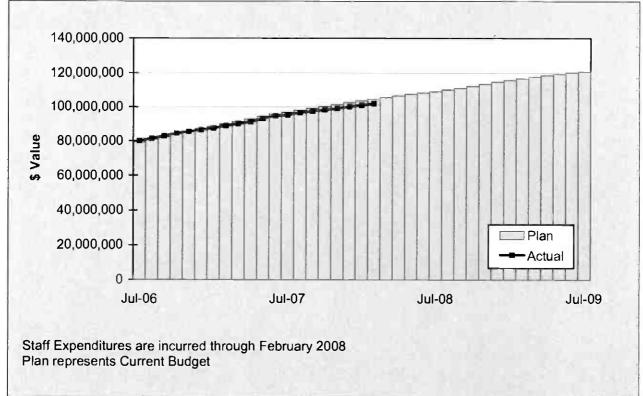
**STATE TCRP:** On March 2005, LACMTA resubmitted a request for approval of a LONP for \$189.2M for Phase 4 (Construction) to the CTC for consideration at the May 2005 CTC Meeting. The CTC approved the LONP for \$166.9M and recently revised their guidelines to allow for partial LONP reimbursement prior 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.

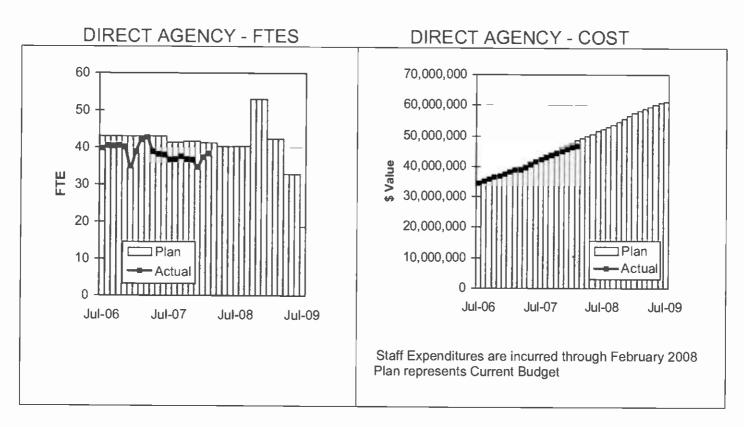
# FINANCIAL/GRANT STATUS CONCURRENT NON-FFGA PROJECT ACTIVITIES

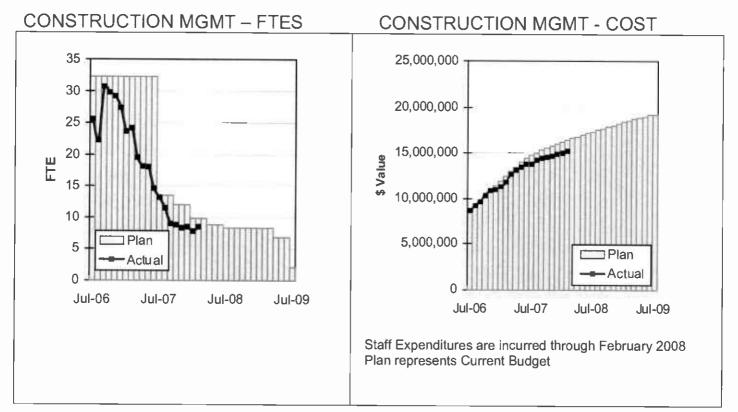
SOURCE	(A) APPROVED BUDGET	(B) TOTAL FUNDS	(C) TOTAL FUNDS	(D) COMMI	(D/B) TMENTS	(E) EXPEN	(E/B) IDITURES	(F) BILLED TO SOURC	
		ANTICIPATED (1)	AVAILABLE	\$	%	\$	%	\$	%
PROP C 40%	\$14 000	\$14.000	\$14 000	\$14 000	100%	\$6 645	47%	\$4.969	35%
PROP C 10%	\$4.000	\$4 000	\$4 000						
STATE TCR	\$0.000	\$24.086	\$24 086	\$19.624	81%	\$3.689	15%	\$3 208	13%
TOTAL	\$18 000	\$42 086	\$42 086	\$33.624	80%	\$10 334	25%	\$8 177	19%



# STAFFING STATUS TOTAL PROJECT STAFFING COST

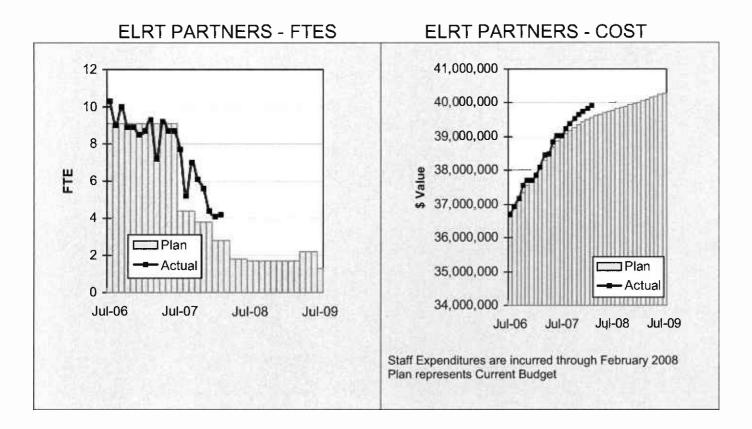






### **STAFFING STATUS**





# **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.

				Behind	Schedule
Number of	T.				Avg.
Parcels					Avg. Calendar
	Required	Acquired	On Schedule	Number	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

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# **ENVIRONMENTAL STATUS**

- Metro Real Estate completed negotiations with Evergreen Cemetery for the purchase of 105 burial plots.
- Prepared a Board Report to approve the acquisition of the burial plots and authorize negotiations with the mortuary for the burials.
- Negotiations continue with the Chinese Community and Cal State Los Angeles regarding research of the artifacts and remains prior to re-interment.
- Archeo/Paleo Associates continue to monitor the excavation sites along the Eastside Extension.

# COMMUNITY RELATIONS STATUS

- Distributed three Construction Notices which reached approximately 9,000 residences/businesses. Activities include concrete pours.
- Met with twenty-seven residents/business owners to coordinate construction activities.
- Delivered seven Open During Construction banners.
- Held monthly Executive Review Advisory Committee Meeting and Review Advisory Committee Meeting.
- Held briefing for the Community Police Advisory Board.

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# **QUALITY ASSURANCE STATUS**

- Quality Management continues to review contractor's monthly Asphalt, Concrete Compressive Strength and Soils Compaction reports areas of concern are coordinated to resolution with the onsite lab representative.
- The results of field surveillance activities continue to be identified in Weekly Surveillance Reports including color digital pictures identifying sites of surveillance and issues of concern.
- All OCS pole fabrication concerns have been resolved and installation is underway.
- Station canopy fabrication and field installation is ongoing. Areas of concern are being coordinated to resolution.

# SAFETY STATUS

- Participated in weekly progress meetings with Construction Managers and ELRTC management personnel to discuss safety related issues and construction schedule.
- Conducted Monthly All Hands Safety Meeting with ELRTC Safety personnel, MTA Security and LAPD representatives.
- Participated in Contractor Readiness Review Meetings and Rail Activation Meeting.
- Monitored construction activities on a daily basis including weekends to ensure contractor compliance with Contract Specification.
- ELRTC and their subcontractors reported one recordable incident and 95,142 work hours for the month of February 2008. A total of thirty-four (34) recordable incidents have occurred Project to Date. Total Project to Date work hours are 2,765,104. 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.

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# 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	3/08	*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	3/08	*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	Ń/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	3/08	*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.

# **CPUC CROSSING SUMMARY**

Batch	Application Status	Initial Package Submittal to MTA	Field Diagnostic Meeting	Revised Drawings Due to MTA	Draft Write- up to MTA	Draft Package Sumbittal to PUC Local office and Agencies	Final Package Submittal to PUC	CPUC Final Approval
1	Complete	8/5/02	8/12/02	8/26/02	9/6/02	9/6/02	9/6/2002	Approved
2	Complete	10/4/02	10/11/02	10/25/02	11/6/02	11/22/02	11/22/2002	Approved
3	Complete	2/6/03	2/27/03	3/10/03	1/27/03	4/11/02	4/18/2003	Approved
4	Complete	12/14/02	1/15/03	1/29/03	11/13/02	5/5/03	6/18/2003	Approved
4A	Complete	1/24/03	1/29/03	3/14/03	2/7/03	9/5/03	1/23/2004	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	27/03	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	8/29/03	9/12/2003	Approved
10	Complete	12/11/03	12/18/92	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	1/8/03	1/15/03	3/14/03	11/12/02	8/29/03	10/30/2003	Approved
15	Complete	2/26/03	N/A	N/A	2/21/03	6/6/03	8/29/2003	Approved
16	Complete	2/26/03	N/A	N/A	2/28/03	6/6/03	8/29/2003	Approved
17	Complete	1/8/03	1/15/03	N/A	2/14/03	5/5/03	6/13/2003	Approved
18	Complete	1/8/03	1/15/03	3/20/03	2/14/03	5/5/03	6/13/2003	Approved
gency 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
1	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

# **CONTRACT C0802 STATUS**

Description: 101 Freeway Bri Contractor: Brutoco Enginee	Contract No. C0802 Status as of: February 29, 2008							
Progress/Work Completed: * Bridge work was completed in March 2007 * Plant Maintenance period achieved Noven	Major Activiti	es (In P	Progres	s):				
Areas of Concern: * None	Major Activiti	es Next	Period	:				
Schedule Summary:			Original Contract	Time Extension	Current Contract	Forecast	Variance CDs	
Date of Award:	09/07/04	Notice to Proceed	Dates 09/22/04	0	09/22/04	09/22/04	0	
Notice to Proceed:	09/22/04	Milestone 1 - Complete Abutment No. 10	06/26/06	49	08/14/06	03/15/07	-213	
Original Contract Duration: Current Contract Duration:	700 CD 775 CD	Milestone 2- Complete All Work Without Plant Establishment	08/23/06	75	11/06/06	08/06/07	-273	
Elapsed Time from NTP: * Note: Elapsed_time to Milestone # 1 comp	904 CD *							
Physical Percent Complete:		Cost Summary: \$ In millions						
Physical completion ** as of this reporting p	eriod is: 100.00%	1. Award Value:				6.42		
		2. Executed Modifi 3. Approved Chang				0.00 0.00		
** Note: Physical completion assessment re and invoice amount shown in Caltrans Mo Expense Report No. 30.	<ol> <li>4. Current Contrac</li> <li>5. Incurred Cost:</li> </ol>				6.42 6.42			

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# **CONTRACT C0803 STATUS**

Systems	Contract No. C0803							
Contractor: Eastside LI	RT Constructors	Status as of: February 29, 2008						
Progress/Work Completed * Completed Mariachi Plaza Station * Erected CMU walls at Mariachi Plaza * Completed Mariachi Plaza Station * Poured exit # 1 & forced air shaft * Started HVAC duct and acoustic Plaza Station * Completed exterior wall pours at 3 * Poured first roof slab section at S * Completed Soto Station exit # 2 e * Completed Soto Station exit # 2 e * Completed East Portal track level * Poured last mezzanine slab sectii * US 101 Bridge Overcrossing prep * Started track installation in the tur * Completed OCS pole foundations * Completed guideway/trackwork o * Started guideway/trackwork along * Poured platform invert slab at Plo * Installed embedded rail track at II * Completed OCS pole foundations * Set TPS-04 control building on its <b>Areas of Concern:</b> The forecast date for milestone # 1	Major Activiti Mariachi Plaza Sta Mariachi Plaza Sta CMU walls at Mari Soto Station roof 9 Soto Station roof 9 Soto Station exit # East Portal exhau Fabricate undergrr Civil construction a Erect canopy fram MSE wall coping s Install CMU walls. Segments 1, 2A, 2 Street improveme String OCS contact Pour TPS-05 equi Train Control insta Major Activiti Mariachi Plaza Str HVAC duct and el Soto Station mezz West Portal tempo Picc/Aliso Station Indiana and Marav Guideway/track in	ation platfo ation exit # fachi Plaza slab shoring 2 invert sl st vent sha ound statio at Indiana, ne at Marav south of the at Indiana e 2B, 3, 4A a nts (south) ct wire alor pment four allation - Se <b>es Nexti</b> n. entrance ectrical ins canine inter orary deck platform a villa Statior	rm and eni 2 invert sla Station m g and conc ab and ext ft structure ns fans, er Maravilla a cilla Station e US 101 E Station Pa at 1st Stre- g Segments 1, <b>Period</b> landing sl tallation at for walls a removal an nd walkwa is canopies	Irance inter ab & exteri ezzanine lo crete pours erior walls scalators a and Pico/A bridge Over rk & Ride leway/track exet & India ts 5 and 6 2B and 4E ab pour an Mariachi F nd roof sla nd street re ys	ior walls evel east i liso station: rcrossing k construction na intersect B nd roof back Plaza Station b estoration	ion tion kfill		
the current contractual completion		* Segments 3 (tunn * OCS, Traction Por * TPS-05 substation * Install Train Contr	wer and Tr n equipmer	ain Control nt delivery :	l equipmer and installa	ation	_	
the current contractual completion recovery schedule from the contract	date. Metro has requested a	* OCS, Traction Por * TPS-05 substation	wer and Tr n equipmer	ain Control nt delivery :	l equipmer and installa	ation	n	
the current contractual completion recovery schedule from the contract impact ROD.	date. Metro has requested a	* OCS, Traction Por * TPS-05 substation	wer and Tr n equipmer ol express Original Contract	ain Control nt delivery : cable alon Time	l equipmen and installa g Segmen Current	ation t 7	Variance	
the current contractual completion recovery schedule from the contract impact ROD. Schedule Summary:	date. Metro has requested a ctor. The current forecast does not	OCS, Traction Por     TPS-05 substation     Install Train Contr	wer and Tr equipmer ol express Original Contract Oates	ain Control nt delivery : cable alon Time Extension	l equipmen and installa g Segmen Current Contract	ation t 7 Forecast	On Variance CDs	
the current contractual completion recovery schedule from the contract impact ROD. Schedule Summary: Date of Award: Notice to Proceed: Original Contract Duration:	date. Metro has requested a ctor. The current forecast does not 06/01/04 07/01/04 1795 CD	OCS, Traction Por TPS-05 substation Install Train Contra- Notice to Proceed Milestone 1 - Contract Completion. Complete all systems integration testing and ready for MTA's pre-revenue	wer and Tr n equipmer ol express Original Contract Oates 07/01/04	ain Contro nt delivery : cable alon Time Extension 0	l equipmer and installa g Segmen Current Contract 07/01/04	ation t 7 Forecast 07/01/04	Variance CDs 0	
the current contractual completion recovery schedule from the contract impact ROD. Schedule Summary: Date of Award: Notice to Proceed: Original Contract Duration: Current Contract Duration: Elapsed Time from NTP:	date. Metro has requested a ctor. The current forecast does not 06/01/04 07/01/04 1795 CD 1800 CD	OCS, Traction Por TPS-05 substation Install Train Contra- Notice to Proceed Milestone 1 - Contract Completion, Complete all systems integration testing and ready for MTA's pre-revenue operation testing. Milestone 3 - Complete Universal Fare System	Ver and Tr n equipmer of express Original Contract Oates 07/01/04 12/31/08	ain Controi nt delivery cable alon Time Extension 0	l equipmen and installa g Segmen Current Contract 07/01/04 01/09/09	ation t 7 Forecast 07/01/04 02/23/09	Variance CDs 0 -45	
the current contractual completion recovery schedule from the contract impact ROD. Schedule Summary: Date of Award: Notice to Proceed: Original Contract Duration: Current Contract Duration: Elapsed Time from NTP:	date. Metro has requested a ctor. The current forecast does not 06/01/04 07/01/04 1795 CD 1800 CD 1339 CD	OCS, Traction Por TPS-05 substation Install Train Contra- Install Train Contra- Milestone 1 - Contract Completion. Complete all systems integration testing and ready for MTA's pre-revenue operation testing. Milestone 3 - Complete Universal Fare System Equipment area. Milestone 5 - Vacate all staging areas and turn	Ver and Tr n equipmer al express Original Contract Dates 07/01/04 12/31/08 04/30/08	ain Control nt delivery : cable alon Time Extension 0 9 5	l equipmer and installa g Segmen Current Contract 07/01/04 01/09/09 05/05/08	ation t 7 Forecast 07/01/04 02/23/09 05/05/08	Variance CDs 0 -45	
the current contractual completion recovery schedule from the contract impact ROD. Schedule Summary: Date of Award: Notice to Proceed: Original Contract Duration: Current Contract Duration: Elapsed Time from NTP: Option D Contract duration	date. Metro has requested a ctor. The current forecast does not 06/01/04 07/01/04 1795 CD 1800 CD 1339 CD 90 CD Complete	OCS, Traction Por TPS-05 substation Install Train Contra- Install Train Contra- Milestone 1 - Contract Completion. Complete all systems integration testing and ready for MTA's pre-revenue operation testing. Milestone 3 - Complete Universal Fare System Equipment area. Milestone 5 - Vacate alli staging areas and turn over to MTA. Milestone 6 - Complete design and construction of Option D work.	ver and Tr n equipmer ol express Original Contract Oates 07/01/04 12/31/08 04/30/08 05/30/09 09/28/04	ain Control nt delivery : cable alon Time Extension 0 9 9 5 5	l equipmen and installa g Segmen Current Contract 07/01/04 01/09/09 05/05/08 05/05/08 06/04/09	ation t 7 Forecast 07/01/04 02/23/09 05/05/08 05/05/08	Variance CDs 0 -45 0 0 0	
the current contractual completion recovery schedule from the contract impact ROD. Schedule Summary: Date of Award: Notice to Proceed: Original Contract Duration: Current Contract Duration: Elapsed Time from NTP:	date. Metro has requested a ctor. The current forecast does not 06/01/04 07/01/04 1795 CD 1800 CD 1339 CD 90 CD Complete	OCS, Traction Por TPS-05 substation Install Train Contra- Install Train Contra- Completion. Complete all systems integration testing and ready for MTA's pra-revenue operation testing. Milestone 3 - Complete Universal Fare System Equipment area. Milestone 5 - Vacate all slaging areas and turn over to MTA. Milestone 6 - Complete design and construction	ver and Tr n equipmer ol express Original Contract Oates 07/01/04 12/31/08 04/30/08 05/30/09 09/28/04 <b>ry:</b> Fications:	ain Control nt delivery : cable alon Time Extension 0 9 5 5 5	l equipmen and installa g Segmen Current Contract 07/01/04 01/09/09 05/05/08 05/05/08 06/04/09	ation t 7 Forecast 07/01/04 02/23/09 05/05/08 05/05/08 05/04/09 09/28/04	Variance CDs 0 -45 0 0 0 0	

# CONTRACT E700051F STATUS

Description: 1st Street Bridge Strengthening	Contract No. E700051F							
Contractor: The Griffith Company	Status as of: February 29, 2008							
Progress/Work Completed:	Major Activities (In Progress):							
* Bridge turned over to Metro on October 26, 2007	* None							
Areas of Concern:	Major Activiti	es Next	Period	:				
* None	* None							
Schedule Summary:		Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs		
Date of Award: 01/19/07	Notice to Proceed	02/06/0 <b>7</b>	0	02/06/07	02/06/07	0		
Notice to Proceed: 02/06/07				_				
Original Contract Duration: 251 CD	Milestone 1 - Substantial Completion	10/15/07	30	11/14/0 <b>7</b>	11/14/07	o		
Current Contract Duration: 281 CD								
Elapsed Time from NTP: 281 CD								
Physical Percent Complete:	Cost Summa	ry:		\$1	n millio	ns		
	1. Award Value:	*			4.26			
Physical completion as of 11/14/07: 100.00% *	2. Executed Modifi				0.00			
	3. Approved Chang	-			0.05			
* As reported by the City of Los Angeles, Department of	4. Current Contrac	t Value (1+	+2+3):		4.31			
Contract Administration	5. Incurred Cost:				4.31	ĺ		
	* City of Los Angele	es						

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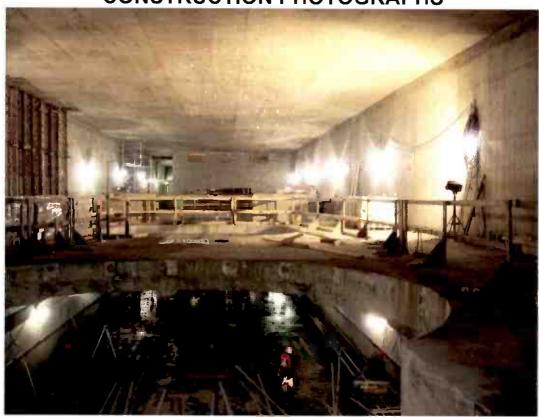
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# **CONTRACT P2550 STATUS**

Description: 2550 Rail Vel Contractor: Ansaldobreda	-	Contract No. P2550 Status as of: February 29, 2008						
	1, Italy (AD)							
<ul> <li>Progress/Work Completed:</li> <li>Pilot Vehicles 701 &amp; 702 are used vehicles for maintenance staff. Next a vehicles to Pittsburg for upgrade. The merits of transporting 701/702 vehicle</li> <li>Vehicle final assembly work conting</li> <li>Shipment of foreign and domestic p to arrive in Pittsburg, CA.</li> <li>Vehicle shipment from Pittsburg to quality issues are resolved. Shipment of pittsburg has resumed.</li> <li>Several Engineering meetings with progress and to close open items, incl Pistoia Italy.</li> <li>EMI and TWC/ATP Testing have by 7. Floor Fire Test Results were accept 8. CPUC approval expected in March Areas of Concern:</li> <li>Vehicles 706 and 708 are on schedulg for revenue service in Metro Gold Line</li> </ul>	<ul> <li>Major Activities (In Progress): <ol> <li>Ansaldobreda's manufacturing plants in Pistopia and Naples, Italy continue to prepare carshells and subassemblies for shipment to U.S.A.</li> <li>Testing of Vehicles #706 &amp; #708 is ongoing in Los Angeles. Vehicles are also being worked upon to close quality open items.</li> </ol> </li> <li>Major Activities Next Period: <ol> <li>Several Technical Progress meetings will be held to emphasize th urgency of resolution of critical items for final acceptance of vehicles</li> <li>Cars 706 and 708 will be final tested for Conditional Acceptance i March 2008.</li> </ol> </li> </ul>							
			Original Contract Dates	Quantity	Contract Total Quantity	Balance Due	Transferre from AB to Metro	
Schedule Summary:		Notice to Proceed	6/6/2003A					
Date of Award: Notice to Proceed:	04/24/03 06/06/03	Vehicles Assembled		28	50	22	9	
Original Contract Duration:	1442 CD	LRV Delivery to Commissioning Site - Metro *		0	50	50		
Elapsed Time from NTP:	1728 CD	LRV Accepted for Revenue Service by Metro		0	50	50		
Note: Metro and Ansaldobreda agree		LRV in Revenue Service		0	50	50		
extended the Option One orde 2006 to April 2008, effective M currently being extended to Oc Metro has requested an update determine the estimated comp However, AB and Metro are cu acceptance testing of 2 LRVs, Conditional Acceptance in earl	lay 14, 2007. Option date stober 2008. ed schedule from AB to eletion schedule. arrently expediting the 706 and 708 for	* Delivery is defin immediately comn testing.				-		
Physical Percent Complete	e:	Cost Summary	<b>/</b> :		\$1	In millic	ons	
Percent of LRVs assembled =	28/50 = 56%	1. Award Value: Pasadena (P Eastside Ext.				126.99 31.75		
Percent Work Product Invoiced	2 Executed Modi 3 Approved Char 4 Current Contra 5 Payments or in	nge Orde .ct Value	rs: (1 + 2 +	3):	1 <b>58.7</b> 4 0.00 0.00 158.74 70.00			

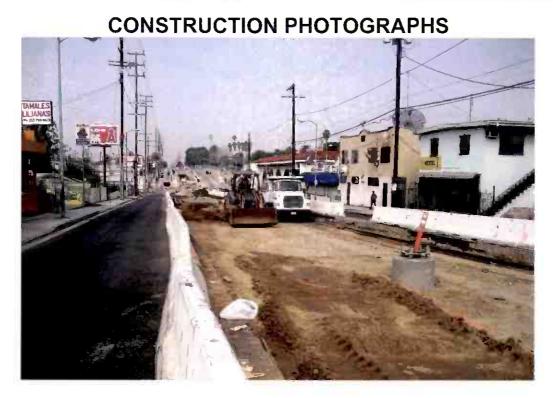


# **CONSTRUCTION PHOTOGRAPHS**

Boyle Heights/Mariachi Plaza Station mezzanine level.



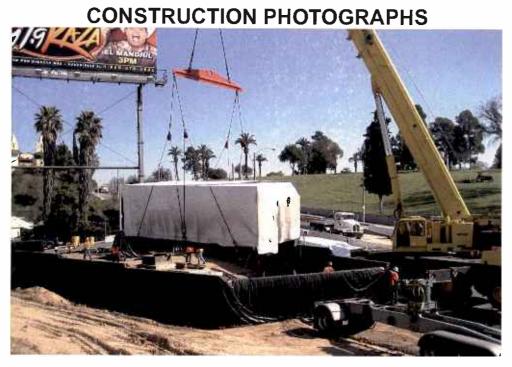
View of LRT guideway on the 1st Street Bridge.



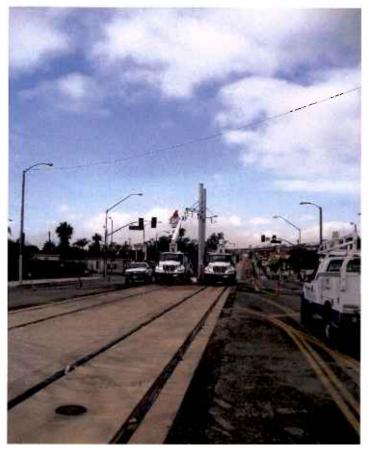
LRT guideway construction within Segment 4A.



View of track crossover between East LA Civic Center and Atlantic Stations.

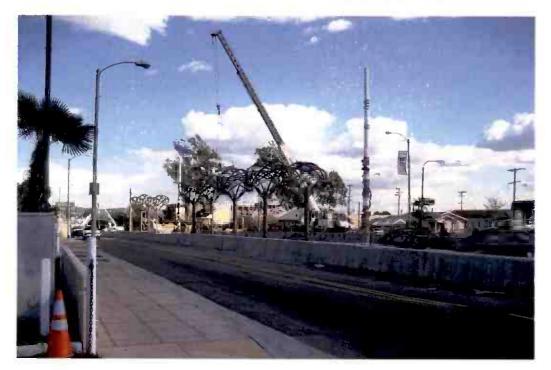


Lowering Traction Power Substation #4 on it's foundation.



OCS hanger and wire installation within Segment 6.

# **CONSTRUCTION PHOTOGRAPHS**



Canopy installation at Maravilla Station.



Placement of LVT blocks within the tunnels prior to rail installation.

# 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.

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

# APPENDIX

# LIST OF ACRONYMS

	ATC CADD CALTRANS CD CM CMAQ CN CO CNFPA CPUC CR CTC CUD DB DBB DD DOT DB DBB DD DOT DWP EIR EIS EPBM ESP FAR FD FEIS FEIR FSEIS FSEIR FSEIS FTA FTE GDSR IFB IPO JV	Automatic Train Control Computer Aided Drafting and Design California Department of Transportation Calendar Day Construction Manager Congestion Mitigation Air Quality Change Notice Change Order Concurrent Non-FFGA Project Activities Critical Path Method California Public Utilities Commission Camera Ready California Transportation Commission Contract Unit Description Design/Build Design/Bid/Build Design/Bid/Build Design/Bid/Build Design/Development Department of Transportation Department of Water and Power Environmental Impact Report Environmental Impact Statement Eastside LRT Partners Federal Acquisition Regulation Final Design Final Environmental Impact Statement Final Environmental Impact Statement Final Environmental Impact Statement Final Design Final Environmental Impact Statement Final Design Final Environmental Impact Statement Final Supplemental Environmental Impact Report Full Funding Grant Agreement Final Supplemental Environmental Impact Statement Final Supplemental Environmental Impact Statement Federal Transit Administration Full Time Equivalent Geotechnical Design Summary Report Invitation for Bid Integrated Project Office Joint Venture Los Angeles
	LA	Los Angeles
	LABOE	Los Angeles Bureau of Engineering
	LACFCD	Los Angeles County Flood Control District
	LACMTA	Los Angeles County Metropolitan Transportation Authority
L	LADOT	Los Angeles Department of Transportation

## February 2008

# Metro Gold Line Eastside Extension Monthly Project Status Report

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# APPENDIX

# LIST OF ACRONYMS (Continued)

LADPW LADWP LAUSD LNTP LONP LRT LRT LRTP 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 PSR QA QAR QC QPSR RAC RFC RFP ROD ROD	Los Angeles Department of Public Works Los Angeles Department of Water and Power 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 Quality Control Quarterly Project Status Report Review Advisory Committee Rail Activation Group Request For Change Request For Change Request For Proposal Record Of Decision Revenue Operations Date
ROM	Rough Order of Magnitude

# February 2008

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

# APPENDIX

# LIST OF ACRONYMS (Continued)

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
	SCAQMD SCE SCRRA SHA SHPO SIT SOV SOW SP STIP STP TBD TBM TCRP TBD TBM TCRP TPSS TRACS UFS USDOT VE WBS