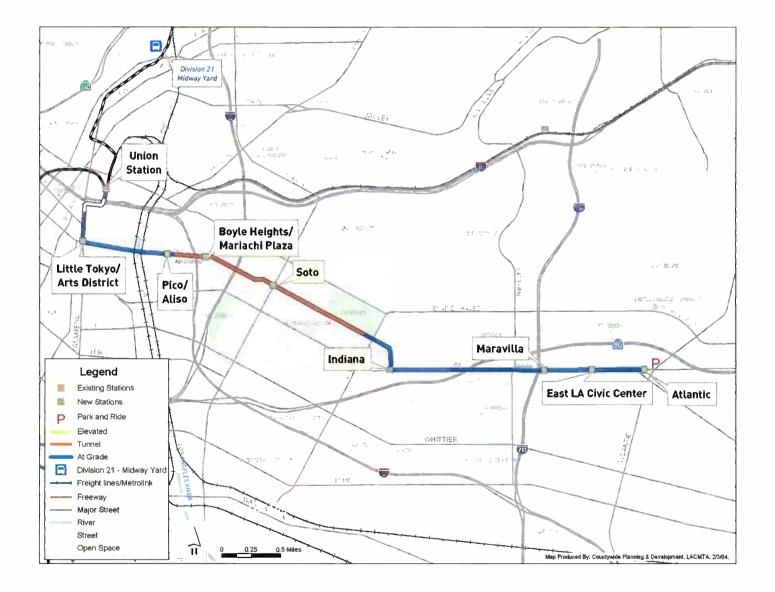
Los Angeles County Metropolitan Transportation Authority

> 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.

**APRIL 2006** 

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# **PROJECT OVERVIEW**

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

As of the end of this reporting period, the Issued for Construction (IFC) drawings for Segments 1, 2A and the 3<sup>rd</sup> Street/I-710 Freeway Bridge Overcrossing were released and the 100% final design packages for Segments 6 and 7 were reviewed and approved. Also, during the reporting period, the 100% final design packages for the Soto Station, the Maravilla Station and the Atlantic Station were submitted for review. The Segment 3B 85% civil design package and the 85% Communications design package were submitted for review as well. Trackway/Guideway, Traction Power and the Overhead Contact System are in the 100% final design phase. The Issue for Construction packages are underway for the following stations: Boyle Heights/Mariachi Plaza, Soto, Little Tokyo/Arts District, Pico/Aliso, Maravilla and Atlantic. Segments 2B, 4A, 6 and 7 are also in the Issue for Construction phase. The East L.A. Civic Center Station is in the 85% design phase and Segment 3B is in the 100% design phase.

The City of Los Angeles 1<sup>st</sup> Street Bridge Widening Project is in the final design stage. There are three phases to the project; Phase I – Street Restoration, Phase II – Bridge Girder Strengthening, and Phase III – Bridge Widening. The C0803 contractor began Phase I construction this period. The remaining two phases are the responsibility of the City of Los Angeles. The Phase II construction bid documents are being assembled for issuance for bids in early June 2006. Phase III design is 85% complete and the process of securing all the necessary permits has begun.

The eastbound tunnel excavation is in the third month of operation and has progressed to 589 feet as of the end of the April 2006. Although progress has been slower than planned, tunneling production rates are expected to increase, since personnel training has been completed and the westbound tunnel excavation has begun. Metro and the C0803 contractor will continue to reevaluate the overall schedule, including the latest projected production rates as provided by the tunneling contractor. Metro remains confident that these delays in schedule can be mitigated without impacting any of the project completion milestones, including the Revenue Operations Date.

Permeation grouting of the tunnel cross-passages are underway.

At the West Portal, the structural excavation and shoring is nearing completion.

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# **PROJECT OVERVIEW**

At the East Portal, the structural excavation and shoring has begun and is scheduled to complete in late May 2006. The construction of the new crematorium retaining wall is complete and the construction of the Los Angeles County Crematorium access road is underway. The street widening at the north side of 1<sup>st</sup> Street continues.

The widening of the south side of 1<sup>st</sup> Street is underway between Alameda and Vignes Streets. Also, the north side of 3<sup>rd</sup> Street is being widened between Mednik and LaVerne Streets.

Various utility relocations are continuing along 1<sup>st</sup> Street, Lorena Street, Indiana Street and 3<sup>rd</sup> Street.

For Contract C0802 – US 101 Freeway Bridge Overcrossing Project, the Caltrans contractor is continuing with concrete placement on the middle section of the LRT bridge structure. Repairs for Bent No. 3 have started and are expected to be complete in early May 2006.

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## MANAGEMENT ISSUES

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

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

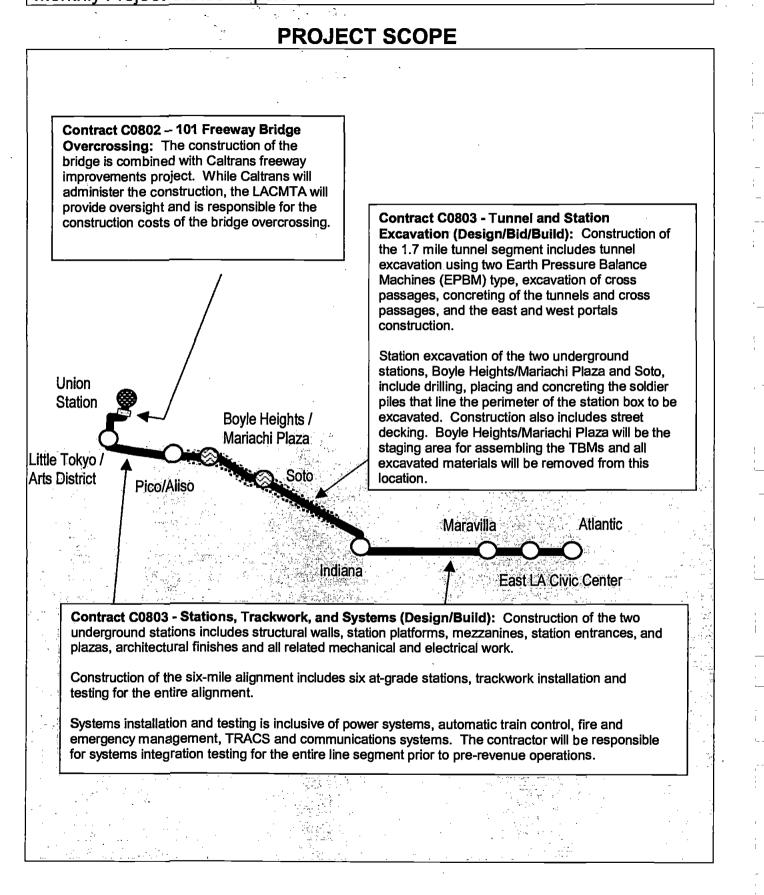
<u>Action</u> Although The City of Los Angeles had received the Record of Decision later than planned (February 2006), the street restoration and girder strengthening design documents were advanced to the 95% completion level. The advancement of design has allowed the street restoration work to begin in April 2006 without schedule impacts.

The City of Los Angeles is forecasting an early bridge turnover date to Metro for track installation by Metro's C0803 Contractor. Although the City has slipped the release of the girder strengthening bid documents by one month, the early turnover date remains achievable.

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

**Status** In September and December 2005, the Metro Board of Directors authorized funding to perform preliminary engineering and an environmental analysis to study the possible relocation of the Indiana Station to avoid or minimize impacts to the Ramona Opportunity High School site. While the studies are ongoing, Metro and the Los Angeles Unified School District (LAUSD) are continuing negotiations on the Land Exchange Agreement that will allow the construction of the Indiana Station on a portion of the school site. The earliest that the land exchange will occur is August 2006, three months beyond the access date for Metro's C0803 Contractor. The late access to the school property will not impact the Revenue Operations Date. Metro is continuing to work with the C0803 Contractor to minimize both design and construction impacts.

<u>Action</u> Metro and LAUSD must reach an agreement on the scope and costs related to the impacts to Ramona Opportunity High School. Metro staff will notify the Metro Board of Directors on May 3, 2006 with the recommended alternative(s). Metro will also identify any additional funding that may be required.



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	Milestone Date	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Completed New Crematorium Retaining Wall at East	04/03/06	0					
Submitted Atlantic and Maravilla Stations 100% Design	04/03/06	0					
Submitted Communications 85% Design	04/04/06	0					
Submit Soto Station 100% Design	04/17/06 *	0			-		
Submit 85% Civil/Utilities Design-Segments 3B	04/17/06 *	0					
Completed EPBM Testing & Commenced Tunnel Mining Westbound)	04/26/06 *	0					
Submit Train Control 85% Design	05/05/06 *		0				
Submit Segment 5 Civil 100% Design	05/18/06 *		. <b>O</b>				
Complete East Portal Excavation	05/22/06 *		0				
Complete Soto Station Sub-Invert and Remove Struts at evel 5	05/24/06		0	-			
Complete West Portal Excavation	05/31/06 *		0				
ubmit Trackway/Guideway 100% Design	05/31/06 *		0				
Nity of Los Angeles Issue for Bid First Street Bridge Thase II Strenghtening Contract	06/01/06 *			Δ	_		
ubmit Traction Power 100% Design	06/05/06 *			0			
omplete Seg. 2A 1st Street widening (south side) etween Alameda and Vignes Streets	06/15/06			0			
ubmit Overhead Contact System 100% Design	06/15/06			0			
altrans Contractor to Complete Abutments and Bents 01 Freeway Bridge Overcrossing	06/29/06 *						
astbound EPBM Break Through at Soto Station	07/11/06 *				Ö		
omplete 3rd Street Widening (North) between Mednik nd La Verne Avenues	08/02/06				_	0	
stall Cross-over Switch at Soto Station	08/08/06 *					0	
/estbound EPBM Break Through at Soto Station	09/01/06						0
LACMTA Staff Milestone     Eastside     Other Agencies     * New Date	e LRT Constructo	rs					Approval

Activity	Activity Description	Rem Early Dur Start	Early 20 Finish	05 2000 2000 2000 2000 2000 2000 2000 2
	Gold Line Eastside Extension		Second Second	
	- Q & P for C0800 Elements			
unnels				
Construction	the second s			
Site Work				
TKTBS250	Remove Boyle Site Facilities	68 18JAN07	15MAY07	Remove Boyle Site Facilities
East Bound Tu	unnel			
East Bound T	unnel Excavation and Lining			
TKTBU190	Remove Thrust Frame & Bracing - EB TBM	1 11APR06A	02MAY08	Remove Thrust Frame & Bracing - EB TBM
TKTEB030	Mine 582' - ST194+17.73 - CP#1 ST200+00.00 (EB)	5 11APR06A	05MAY08	Mine 582' - ST194+17.73 - CP#1 ST200+00.00 (EB)
TKTEB040	Mine 750' - CP#1 ST200+00 00 - CP#2 ST207+50.00	16 08MAY06	29MAY06	Mine 750' - CP#1 ST200+00.00 - CP#2 ST207+50.00
TKTEB050	Mine 870' CP#2 ST207+50.00- ST216+20.22 (EB)	18 30MAY06	22JUN06	Mine 870' CP#2 ST207+50.00- ST216+20.22 (EB)
TKTEB060	Mine 346' - ST216+20.22 - ST219+66.25(EB)	7 23JUN06	03JUL.06	Mine 346' - ST216+20.22 - ST219+66.25(EB)
TKTBU230	Prep Soto for TBM Break In	10 23JUN06	07JUL08	Prep Soto for TBM Break In
TKTEB070	Walk 342' - TBM thru 1st/Soto Station (E8)	5 05JUL06	11JUL06	Walk 342' - TBM thru 1st/Soto Station (EB)
TKTEB080	Cutterhead/Inspect/Repair at 1st/Soto (EB)	5 12JUL06	18JUL08	Cutterhead/Inspect/Repair at 1st/Soto (EB)
TKTEB085	BREAK IN AT SOTO	0 19JUL06		BREAK IN AT SOTO
TKTEB090	Mine 250'- 1st/Soto ST223+07.75- ST225+57.75(EB)	10 19JUL06	01AUG06	Mine 250'- 1st/Soto ST223+07.75- ST225+57.75(EB)
TKTEB100	Mine 617- ST225+57.75 -CP#3 ST231+75.00 (EB)	13 02AUG06	18AUG08	Mine 617'- ST225+57.75 -CP#3 ST231+75.00 (EB)
TKTEB110	Mine 750'-CP#3 ST231+75.00 -CP#4 ST239+25.00(EB)	16 21AUG06	12SEP06	Mine 750'-CP#3 ST231+75.00 -CP#4 ST239+25.00(EB)
TKTEB120	Mine 628-CP#4 ST239+25.00-SP#2 ST245+53.49 (EB)	14 13SEP08	02OCT06	Mine 628'-CP#4 ST239+25.00-SP#2 ST245+53.49 (EB)
TKTEB130	Mine 122'- SP#2 ST245+53.49-CP#5 ST246+75.00(E8)	3 03OCT06	05OCT08	Mine 122'- SP#2 ST245+53.49-CP#5 ST246+75.00(EB)
TKTEB140	Mine 725'- CP#5 ST246+75.00 - ML ST254+00 (EB)	15 06OCT06	26OCT08	Mine 725'- CP#5 ST246+75.00 - ML ST254+00 (EB)
TKTEB150	Mine 600'- ML ST254+00 - Fresno ST260+00 (EB)	13 27OCT06	14NOV06	Mine 600'- ML ST254+00 - Fresno ST260+00 (EB)
TKTEB160	Mine 433'- Fresno ST260+00 - ST264+33.2 (EB)	9 15NOV06	28NOV06	Mine 433'- Fresno ST260+00 - ST264+33.2 (EB)
TKTEB170	MINING EB TUNNEL COMPLETE	0	28NOV06	MINING EB TUNNEL COMPLETE
TKTEB180	Remove EB TBM/BU at East Portal	15 29NOV06	22DEC08	Remove EB TBM/BU at East Portal
TKTBU210	Remove Shaft Trackwork & Facilities at Mariachi	5 26JAN07	05FEB07	Remove Shaft Trackwork & Facilities at Mariachi
East Bound T	1			
TK CSE001	MOBILIZE SOTO SITE	0 21DEC06		MOBILIZE SOTO SITE
TK CSE003	Setup Concrete Facilities @ Soto Station	10 21DEC05	05JAN07	Setup Concrete Facilities @ Soto Station
TK CSE005	Install Conc. Lines & Hoppers in Shaft	5 27DEC06	03JAN07	Install Conc. Lines & Hoppers in Shaft
TK CSE010	Lift Rail & Clean Invert (Heavy) (EB)	12 17JAN07	02FEB07	Lift Rail & Clean Invert (Heavy) (EB)
TK CSE020	Assemble/Install Invert Form (EB)	5 30JAN07	06FEB07	Accemble/Install Invert Form (EB)
TK CSE040	Place/Finish Invert Concrete (EB)	32 07FEB07	22MAR07	Place/Finish Invert Concrete (EB)
TKCEE010	Move forms thru Soto Station	1 23MAR07	23MAR07	forms thru Soto Station
TKCEE020	Assemble/Install Invert Form (EB, SS-EP)	5 26MAR07	30MAR07	Assemble/Install Invert Form (EB, SS-EP)
TKCEE023	Move Concrete Operation to East Portal	10 12APR07	25APR07	Move Concrete Operation to East Portal
TKCEE025	SOTO STATION TURNOVER BY TFK	0	25APR07	SOTO STATION TURNOVER BY TFK
TKCEE030	Final Invert Cleaning for Concrete (EB,SS-EP)	40 26APR07	20JUN07	Final Invert Cleaning for Concrete (EB,SS-EP)
TKCEE040	Place/Finish Invert Concrete (EB,SS-EP)	46 26APR07	28JUN07	Place/Finish Invert Concrete (EB,SS-EP)
Date sh Date	01JUN02 15JUL09	M604	o Gold Line Easts	Sheel 1 of ? de Extension Date Revision Checked Approve
Date	29APR06 Progress Ba		T-26 Critical Path	Constantion in the second part of the first second se

PROJECT MASTER SCHEDULE

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Activity	Activity Description	Rem Dur	Early Start	Early Fiorsh	2006 2007
KCEE050	Strip/Move/Set Invert Form (EB,SS-EP)	46	02MAY07	05JUL07	A Construction of the set of the
KCEE090	Final Tunnel Cleaning for Turnover (EB)	15		25SEP07	Final Tunnel Cleaning for Turnover (EB)
	unnel Walkwa	1.10	OUDE! OF	LOOLI UI	
K CSE060	Assemble/Install Walkway Form (EB)	3	21FE807	23FEB07	Assemble/Install Walkway Form (EB)
K CSE080	Place/Finish Walkway Concrete (EB)	33	26FEB07	11APR07	Place/Finish Walkway Concrete (EB)
KCEE060	Assemble/Install Walkway Form (EB,SS-EP)	4	10MAY07	15MAY07	(Assemble/Install Walkway Form (EB,SS-EP)
TKCEE080	Place/Finish Walkway Concrete (EB,SS-EP)	48	17MAY07	24JUL07	Place/Finish Walkway Concrete (EB,SS-EP)
TKCEE070	Strip/Move/Sel Walkway Form (EB,SS-EP)	45		24,4,4,07	Strip/Move/Set Walkway Form (EB,SS-EP)
Vest Bound To		40	221004101	2450207	
	unnel Excavation and Lining		_		
KTWB010	Mine 50' -Bury TBM ST191+17.55 -ST191+67.55 (WB)	10	26APR06A	12MAY06	Mine 50" -Bury TBM ST191+17.55 -ST191+67.55 (WB)
TKTWB015	Mine 100' -ST191+67.55 - ST192+67.55 (WB)	6	15MAY06	22MAY06	Mine 100' -ST191+67.55 - ST192+67.55 (WB)
TKTWB020	Mine 150' - ST192+67.55 - ST194+17.55 (WB)	9		02JUN08	Mine 150' - ST192+67.55 - ST194+17.55 (WB)
TKTBU180	Remove Thrust Frame & Bracing - WB TBM	4	05JUN06	OBJUNOS	Remove Thrust Frame & Bracing - WB TBM
TKTWB030	Mine 607" -ST194+17.55 - CP#1 ST200+24.22 (WB)	13		21,11,106	Mine 607' -ST194+17.55 - CP#1 ST200+24.22 (WB)
TKTWB040	Mine 746' -CP#1 ST200+24 22-CP#2 ST207+70.40	17	22JUN08	17JUL08	Mine 746' -CP#1 ST200+24.22-CP#2 ST207+70.40
TKTWB050	Mine 849' -CP#2 ST207+70.40 - ST216+19.11 (WB)	18		10AUG06	Mine 849' -CP#2 ST207+70.40 - ST216+19.11 (WB)
TKTWB060	Mine 347' - ST216+19.11 - ST219+66.25 (WB)		11AUG08	21AUG08	Mine 347' - \$T216+19.11 - ST219+66.25 (WB)
TKTWB070	Walk 342' - TBM thru 1st/Soto Station (WB)	5	22AUG08	28AUG06	Walk 342' - TBM thru 1st/Soto Station (WB)
TKTWB080	Cutterhead/Inspect/Repair at 1st/Soto (WB)	5	29AUG06	05SEP06	Cutterhead/Inspect/Repair at 1st/Soto (WB)
TKTWB085	BREAK IN AT SOTO (WB)	0	06SEP06	00001 00	BREAK IN AT SOTO (WB)
TKTWB090	Mine 250'-1st/Soto ST223+07.75 -ST225+57.75 (WB)	10	06SEP06	19SEP06	Mine 250'-1st/Soto \$7223+07.75 -\$T225+57.75 (WB)
KTWB100	Mine 618' - ST225+57.75 - CP #3 ST231+76.18 (WB)	13	20SEP06	060CT06	Mine 618' -ST225+57.75 - CP #3 ST231+76.18 (WB)
KTWB110	Mine 750'-CP#3ST231+76.18 -CP#4 ST239+26.18	16	09OCT06	30OCT06	Mine 750 -CP#3ST231+76.18 -CP#4 ST239+26.18 (WB)
TKTWB120	Mine 628'-CP#4 ST239+26.18-SP#2 ST245+54.67	13	310CT05	16NOV06	Mine 628'-CP#4 ST239+26.18-SP#2 ST245+54.67 (WB)
TKTWB120	Mine 122-SP#2 245+54.67- CP#5 ST246+76.18(WB)	3		21NOV06	Mine 122'-SP#2 245+54.67- CP#5 ST246+76.18(WB)
TKTWB140	Mine 724'-CP#5 ST246+76.18 - ML ST254+00 (WB)	15	22NOV06	13DEC06	Mine 724'-CP#5 ST246+76.18 - ML ST254+00 (WB)
TKTWB150	Mine 600'-ML ST254+00 - Fresno ST260+00 (WB)	14	14DEC06	04JAN07	Mine 600'-ML ST254+00 - Fresno ST260+00 (WB)
TKTWB160	Mine 433'-at Fresno ST260+00 - ST264+33.2 (WB)	8	05JAN07	16JAN07	Mine 433'-at Fresho ST260+00 - ST264+33.2 (WB)
TKTWB100		0	033741001	16JAN07	MINING WB TUNNEL COMPLETE
TKTWB170	MINING WB TUNNEL COMPLETE Remove WB TBM/BU at East Portal	13	18.JAN07	09FEB07	Remove WB TBMBU at East Portal
TKTWB180	MARACHI PLAZA STATION TURNOVER BY TFK	0		USFEDU/	MARACHI PLAZA STATION TURNOVER BY TFK
		0	ZOJANUT		TIMANACHI PERCA STATION TORNOYER DI IPR
West Bound T		12	04JAN07	19JAN07	Lift Rail & Clean Invert (Heavy) (WB)
TK CSW040	Lift Rail & Clean Invert (Heavy) (WB)	5	18JAN07	24JAN07	Assemble/Instali Invert Form (WB)
	Assemble/Install Invert Form (WB)	32	25JAN07	12MAR07	Place/Finish Invert Concrete (WB)
TK CSW070	Place/Finish Invert Concrete (WB)	in the second second		16MAR07	
TK CSW080	Strip/Move/Set Invert Form (WB)	32	31JAN07	6	Strip/Moye/Set Invert Form (WB)
TKCEW050	Final Invert Cleaning for Concrete (WB,SS-EP)	40	26APR07	20JUN07	Final Invert Cleaning for Concrete (WB,SS-EP)
TKCEW060	Place/Finish Invert Concrete (WB,SS-EP)	46	26APR07	28JUN07	Place/Finish Invert Concrete (WB,SS-EP)
TKCEW070	Strip/Move/Set Invert Form (WB,SS-EP)	46	02MAY07	05JUL07	Strip/Move/Set Invert Form (WB,SS-EP)
TKCEW110	Final Tunnel Cleaning for Turnover (WB)	15	28AUG07	18SEP07	🕴 🐩 🖤 🕌 Final Tunne) Cleaning for Turnover (WB)
t Date sh Date Date Date	01JUN02 15JUL09 2504PR06 05MA/Y06 15:28 Systems, Inc.		Metr	o Gold Line T-26 Critical Current	Chedule 01MAY08 April 2006 Schedule Update AA

Activity	Activity	Rem	Early	Early	2001 2007 3999 3999
ID	Description	Dur	Start	Finish	
West Bound Tu TK CSW090	Assemble/Install Walkway Form (WB)	3	09FE807	13FEB07	Assemble/Install Walkway Form (WB)
		30	14FEB07	27MAR07	Strip/Move/Set Walkway Form (WB)
TK CSW100	Strip/Move/Set Walkway Form (WB)	30	20FEB07	05APR07	Place/Finish Walkway Concrete (WB)
TK CSW110	Place/Finish Walkway Concrete (WB)	33	10MAY07	15MAY07	Assemble/Install Walkway Form (WB,SS-EP)
IKCEW080	Assemble/Install Walkway Form (WB,SS-EP)	43	17MAY07	17JUL07	Place/Finish Walkway Concrete (WB,SS-EP)
KCEW100	Place/Finish Walkway Concrete (WB.SS-EP)	40		17,301.07	Strip/Move/Set Walkway Form (WB,SS-EP)
KCEW090	Strip/Move/Set Walkway Form (WB,SS-EP)	40	22964107	1730007	
cht./Mech./Ek				_	
	Install Wet Standpipe @ 200'/Day(WB, Soto-EP)	21	18,0,07	15AUG07	Standpipe @ 200'/Day(WB, Soto-EP)
		15		14AUG07	INSTL Fire Protection Soto Sta to East Portal
2MEC TL10	INSTL Fire Protection Solo Sta to East Portal Install Wet Standploe @ 2007Day (EB. Soto-EP)	21	25JUL07	22AUG07	Finstall Wet Standpipe @ 200'/Day (EB, Soto-EP)
	Install Well Stanopipe @ 2007Day (CB, Solo-EP)	14	03AUG07	22AUG07	Linstall Walkway Handrall @ 300'/Day (WB, Soto-EP
K14WEW020	INSTL Walkway Handrail @ 300/Day (WB, Solo-EP)	14	10AUG07	29AUG07	INSTL Walkway Handrail @ 300"/Day (EB, Soto-EP)
	Test Wet Standpipe (WB, Solo-EP)	3	23AUG07	27AUG07	Test Wet Standpipe (WB, Soto-EP)
K10WEE30	Test Wet Standpipe (WB, Sold-EP)	3	30AUG07	04SEP07	Test Wet Standpipe (EB, Soto-EP)
second in the second second			20.10007	o loar or	
	- Q & P for C0801 Elements				
	ground Station	-	-	-	
	Mariachi Plaza		_	-	
Street Improve		55	23JUL08	130CT08	1ST. Street Restoration Mariachi Station Area
	1ST, Street Restoration Mariachi Station Area	29	2300108	1300108	
lignals and Lig		30	14OCT08	24NOV08	INSTL Traffic Signal/St Lightings/Striping (MW)
SEL BW020	INSTL Traffic Signal/St Lightings/Striping (MW)	30	1400108	24110700	
xcavation and		15	26JAN07	22FEB07	INSTL S Piles @Plaza Area (801)
ZES BL005	INSTL S Piles @Plaza Area (801)	15		23MAR07	INSTL S Piles Stair No.7,8/Vent Area/Exits(801)
	INSTL S Piles Stair No.7.8/Vent Area/Exits(801)	20		03APR07	INSTL Temp. Deck System Plaza area (801)
A2ES BL010	INSTL Temp. Deck System Plaza area (801)	20		24APR07	INSTL Temp. Deck System Stair/Vent/Exit (801)
AZES BLOZO	INSTL Temp. Deck System Stair/Vent/Exit (801)	30		17MAY07	Structure Exca/Support Plaza area (801)
AZES BLO15	Structure Exca/Support Plaza area (801)	15		17MAY07	Struct Exca/Support Stair No.7,8/Vent/Exits(801)
AZES BLOZZ	Struct Exca/Support Stair No 7,8/Vent/Exits(801)	15		230CT07	Bremove 2nd Level Struts @ Mariachi Plaza Station
ASES BLOSS	Remove 2nd Level Struts @ Martachi Plaza Station	10		07DEC07	Remove 1st Level Struts @ Mariachi Plaza Station
A3ES BL040	Remove 1st Level Struts @ Mariachi Plaza Station	15		23JAN08	Backfill/Fine Grade Plaza Ground Level
A3ES BL042	Backfill/Fine Grade Piaza Ground Level	20		11FEB08	1st Street Roof Backfill
A3ES BLO45	1at Street Roof Backfill	20		11MAR08	Record Deck Planks Beam/Temp Pave/Backfill
A3ES BL050	Remove Deck Planks Beam/Temp Pave/Backfill	13	12000	TIMPARUO	
Concrete / Stru		20	18MAY07	18JUN07	Mariachi Sta Lower Ext. Walls 12 to 9 & End Wali
A3SC BL025	Mariachi Sta Lower Ext. Walls 12 to 9 & End Wall			18JUN07 03JUL07	Mariachi S Place Invert Section 187+67 to 185+72
A3SC BL020	Mariachi S Place Invert Section 187+67 to 185+72	20			Mariachi Sta Plaza Area / Exhaust Plenum #3 Slab
A3SC BL055	Mariachi Sta Plaza Area / Exhaust Plenum #3 Slab	20		18JUL07 02AUG07	Mariachi Sta Lower Ext Walls 187+67 to 185+72
A3SC BL040	Mariachi Sta Lower Ext Walls 187+67 to 185+72	20		and and a second se	Mar Plaza Unger Ext. / Exhaust Pienum #3 Wall
A3SC BL065	Mar Plaza Upper Ext. / Exhaust Plenum #3 Wall	20	_	16AUG07	
t Date sh Date a Date	01JUN02 Early Bar 15JUL09 Progress 29A PR06 09MAY06 15:28 Critical A		Metr	o Gold Line LT-26 Critical Current	chedule 01MAYOS April 2006 Schedule Update AA

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ID Description	Rem	Earty	Early	2005 2006 2007 2006 2007
	Dur	Start	Finish	<u> </u>
ISC BL075 Mar Mezzanine Slab 187+67 to 1 / Vent Shaft		_	30AUG07	Mar Mezzanine Slab 187+67 to 1 / Vent Shaft #1
ISC BL105 Mar Plaza Landing Stab / Roof 16-13 / Exhaus			17SEP07	Mar Plaza Landing Slab / Roof 16-13 / Exhaust #3
SC BL100 Mar Upper Ext. Wall 5 to 1 / V Shaft & Exit #1	20		02OCT07	Mar Upper Ext. Wall 5 to 1 / V Shaft & Exit #1
ISC BL080 Manachi Sta Roof 1 to Sta 185+72	20	31AUG07	02OCT07	Mariachi Sta Roof 1 to Sta 185+72
ISC BL160 Manachi Sta Plaza / Exhaust #3 Ext. Upper W	all 20	18SEP07	16OCT07	Mariachi Sta Plaza / Exhaust #3 Ext. Upper Wall
SC BL130 Mariachi Sta Roof 5 to STA 187+67	15	030CT07	23OCT07	Mariachi Sta Roof 5 to STA 187+67
SC BL170 Elevator/Skylight Shaft/F.A.I. #3 / Exhaust Wa	11 20	17OCT07	13NOV07	Elevator/Skylight Shaft/F.A.I. #3 / Exhaust Wall
SC BL135 Mar Roof STA 187+67 to 1 / V. Shaft & Exit. #	1 15	24OCT07	13NOV07	Mar Roof STA 187+67 to 1 / V. Shaft & Exit. #1
SC BL140 Mariachi Emergency V. Shaft / Ext #1 Upper V	Vall 15	14NOV07	07DEC07	Mariachi Emergency V. Shaft / Ext #1 Upper Wall
SC BL175 Manachi Sta Emergency V. Shaft #3 Wall	15	14NOV07	07DEC07	Mariachi Sta Emergency V. Shaft #3 Wall
SC BL180 Mariachi Sta Plaza Sloping Roof and Top Roof	f 15	10DEC07	03JAN08	Mariachi Sta Plaza Sloping Roof and Top Roof
SC BL145 Mariachi Emergency Exit #1 Upper Roof & Sta	air #7 15	10DEC07	03JAN08	Mariachi Emergency Exit #1 Upper Roof & Stalr #7
SC BL220 Mariachi Sta Plaza Stairway #2	15	07JAN08	31JAN08	Mariachi Sta Plaza Stairway #2
SC BL210 Mariachi Sta Platform Walls 11 to 2	15	04FEB08	28FEB08	Mariachi Sta Platform Walls 11 to 2
SC BL225 Mariachi Sta Plaza Stairway #1	15	04FEB08	28FEB08	Mariachi Sta Plaza Stairway #1
SC BL215 Mariachi Sta Platform Slab 11 to 2	20	29FEB08	07APR08	Mariachi Sta Platform Slab 11 to 2
SC BL230 Mariachi Sta Stairway #3 & 4	15	08APR08	28APR08	Mariachi Sta Stalrway #3 & 4
SC BL245 Mariachi Sta Stairway #5	15	29APR08	21MAY08	Mariachi Sta Stairway #5
cht/Finishes (Piatform Level)	are a part			
ARCBW005 INSTL Platform Metal Ceiling (MW)	30	10DEC07	31JAN08	INSTL Platform Metal Ceiling (MW)
ARCBW010 Install CMU Wall East&West Platform (MW)	20	08APR08	07MAY08	Install CMU Wall East&West Platform (MW)
ARCBW015 INSTL Platform Edge Pavement (MW)	17	08MAY08	03JUN08	INSTL Platform Edge Pavement (MW)
ARCBW020 INSTL Platform Floor Pavement/Stair (MW)	20	04JUN08	02JUL08	INSTL Platform Floor Pavement/Stair (MW)
		0100.100	VECCECC	
cht/Finishes (Mezzanine Level) ARCBW045 INSTL Mezzanine Metal Ceiling (MW)	40	24000707	21DEC07	INSTL Mezzanine Metal Celling (MW)
ARCBW050 INSTL Mezzanine Floor Pavement/Stair (MW)		29FEB08	07APR08	NSTL Mezzanine Floor Pavement/Stair (MW)
ARCBW050 INSTL Mezzaning Floor Paventerit/Stall (MWV)		OBAPROS	07AF108	Mist Doors/Hand Rails/Painting-Mezzanine (MW)
and the second	20	06MAY08	02JUN08	INSTL Furnishing/Signs-Mezzanine (MW)
ARCBW065 INSTL Furnishing/Signs-Mezzanine (MW)	20	60 TANKO	02301108	INSTE TURNSTING SIGNE-MEZZINNE (MTV)
cht/Finishes (Piaza/Landing/Emergency Exit)	4.0			
ARCBW075 INSTL Canopy Structure Steel-Plaza (MW)	15		07APR08	INSTL Canopy Structure Steel-Plaza (MW)
ARCBW080 INSTL GFRC Concrete Panel •Plaza (MW)	10	08APR08	21APR08	INSTL GFRC Concrete Panel -Plaza (MW)
ARCBW085 INSTL Metal Ceiling-Landing (MW)	15	22APR08	14MAY08	NSTL Metal Celling-Landing (MW)
ARC8W090 INSTL Entrance/Wall/Fence/Rails/Painting-Pla		22APR08	21MAY08	NSTL Entrance/Wall/Fence/Rails/Painting-Plaza
ARCBW095 INSTL Pavement/Stair-Plaza, Landing(MW)	20	22MAY08	20JUN08	INSTL Pavement/Stair-Plaza, Landing(MW)
chanical/Plumbing/Equip/Metals				
MECBW010 INSTL HVAC/Plumbing - Mezzanine Level	60	24OCT07	31JAN08	INSTL HVAC/Plumbing - Mezzanine Level
MECBW005 INSTL HVAC/Plumbing • Platform Level	60	10DEC07	27MAR08	INSTL HVAC/Plumbing - Platform Level
MECBW022 Elevator 1A Structure Frame/Glazing	15	22APR08	12MAY08	Elevator 1A Structure Frame/Glazing
ectrical/Lighting				
ARCBW03 Embedded Conduit & Grounding (MW)	269	13SEP05A	03JUL07	Embedded Conduit & Grounding (MW)
	160	06MAY08	06JAN09	Rough Electrical (Conduit, Boxes, Wiring) MW

April 2006

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Activity	Activity Description	Rem i Dur	Early Start	Early Finish	2005 2006 2007 2008 2009
A3EL BW025	Erec Finish (Fixtures/Switches/Switch Panel) MW	160	03JUN08	09FEB09	Erec. Finish (Fixtures/Switches/Switch Panel)
Landscaping	Liee I man (i biolos bintenes binten a sist inte	100	00001000		
Start Louis and Louis	Landscaping @ Plaza Level	20	23JUN08	22JUL08	Landscaping @ Plaza Level
	riachi Plaza Station Area for MS1	20	20001100		
	Preparation Punch List Mariachi Sta for MS#1	21	10FEB09	1964AR09	Preparation Punch List Mariachi Sta for MS#1
oto Station					
Excavation an	d Support	-	_		
A2ES ST020	Install S Piles Plaza & Plenum (SS, 801)	15	26APR07	18MAY07	Install S Piles Plaza & Plenum (SS, 801)
A2ES ST022	Place Temp Deck System @ SS (801)	15	21MAY07	12,JUN07	Place Temp Deck System @ SS (801)
AZES STOSO	Struct Exca/Support Plaza&Plenum @Soto Sta (801)	20	13JUN07	12,10,07	Struct Exca/Support Plaza&Pienum @Soto Sta (801)
A2ES ST077	Backfill/Fine Grade Plaza Ground Level	15		08APR08	Backfil/Fine Grade Plaza Ground Level
Concrete / Str		1. 101			
A3SC SS015	Solo Sta Place, Exterior Walls 4-9	20	26APR07	25MAY07	Soto Sta Place, Exterior Walls 4-9
A3SC 55010	Soto Sta Place Sump Pit Invert Conc Hammer Heads	20	26APR07	25MAY07	Soto Sta Place Sump Pit Invert Conc Hammer Heads
A3SC 55010	Lower interior walls 11-12	20	29MAY07	26JUN07	Lower Interior walls 11-12
A3SC 55030	Soto Sta Place Exterior Walls 9-12, End Wall	20	29MAY07	26JUN07	Soto Sta Place Exterior Walls 9-12. End Wall
A3SC SS020	Soto Sta Place Mezzanine Slab 4-9, Entrance Slab	30	29MAY07	12JUL07	Soto Sta Place Mezzanine Slab 4-9, Entrance Slab
A3SC SS025	Solo Sta Place Exterior Walls 1-4, End Wall	20	27.JUN07	26,1,1,07	Soto Sta Place Exterior Walls 1-4, End Wall
A3SC SS045	Soto Sta Place Mezzanine Slab 9-12	30	13JUL07	24AUG07	Soto Sta Place Mezzanine Slab 9-12
A3SC SS055	Soto Upper Exterior Walls 4-9 Entrance Wall	30	13JUL07	24AUG07	Soto Upper Exterior Walls 4-9 Entrance Wall
A3SC SS035	Lower interior walls 1-2	15	27 JUL 07	17AUG07	Lower interior walls 1-2
A3SC SS050	Soto Sta Place Mezzanine Slab 1-4, Entrance Slab	30	27AUG07	100CT07	Soto Sta Place Mezzanine Slab 1-4. Entrance Slab
A3SC SS060	Solo Upper Exterior Walls 9-12 /Air Plenum/ Exit	30	27AUG07	100CT07	Soto Upper Exterior Walls 9-12 /Air Plenum/ Exit
A3SC SS075	Soto Sta Place Roof for 4-9 Entrance Roof	30	27AUG07	10000107	Soto Sta Place Roof for 4-9 Entrance Roof
A3SC 55075	Soto Upper Extenor Walls 1-4 /Entrance Wall	30	110CT07	21NOV07	Soto Upper Exterior Walls 1-4 /Entrance Wall
		30	1100107	21NOV07	Soto Sta Place Roof for 9-12 /Air Plenum/ Exit
A3SC SS080	Soto Sta Place Roof for 9-12 /Air Plenum/ Exit Soto Sta Place Roof for 1-4 / Entrance Roof	30	28NOV07	15JAN08	Soto Sta Place Roof for 1-4 / Entrance Roof
A3SC SS085		30		12MAR08	Wall/Ron Emergency Exit/Elevator/Slop(Entrance)
A3SC SS110	Wall/Roof Emergency Exit/Elevator/Slop(Entrance)	30	11 JANU0	1211101100	This and going the second optimum of
	s (Mezzanine Level)	30	17JAN08	12MAR08	INSTL Mezzanine Metai Celling (SS)
A3ARCSS040 A3ARCSS045		20	24APR08	23MAY08	INITL Mezzanine Floor Pavement/Stair Granite(SS)
		20	2400100	231014100	
	s (Plaza/Landing/Emergency Exit)	15	09APR08	29APR08	INSTL Canopy Structure Steel-Plaza (SS)
	INSTL Canopy Structure Steel-Plaza (SS)	15		23MAY08	INSTL Metal Celling-Landing (SS)
A3ARCSS080		20		30MAY08	Entrance/Terraso/Wall/Fence/Rails/Paint-Plaza
	Entrance/Terraso/Wall/Fence/Rails/Paint-Plaza	20		30,000	INSTL Pavement/Stair Granite-Plaza, Landing(SS)
A3ARCSS090				30JUL08	INSTL Furnishing/Signs/Doors/Hatches-Plaza(SS)
A3ARCSS095		20	02JUL08	3030108	In a re rumising agris Dur amateries maza a an
	umbing/Equip/Metals		40444000	0040000	PRINT Pro Destable International
	INSTL Fire Protection - Mezzanine Level	30		23APR08	INSTL HV4C/Plumbian Managine Level
A3MECSS010	INSTL HVAC/Plumbing - Mezzanine Level	60	13MAR08	04JUN08	INSTL HVAC/Plumbing - Mezzanine Leve

Activity	Activity Description	Rem Der	Sector .	Early Finish	1005 2000 2007 2008 <u>200</u> 0
Electrical/Ligh					
A3EL SS030	Erec. Finish (Fixtures/Switches/Switch Panel) SS	85	31JUL08	28NOV08	Erec. Finish (Fixtures/Switches/Switch Panel) Same
	to Station Area for MS1				
	Preparation Punch List Soto Sta Area for MS#1	20	01DEC08	05JAN09	Preparation Punch List Soto Sta Area for MS#1
I see a second second	tact System (OCS)				
Fension Section		-	-		
Construction					
	Sta 274+02-312+41 Install OCS Poles	5	01NOV07	07NOV07	Sta 274+02-312+41 Install OCS Poles
	Sta 274+02-312+41 Del to Site/Insti C Arms	29		21DEC07	Sta 274+02-312+41 Del to Site/Instit C Arms
	Sta 274+02-312+41 String Wire	4	26DEC07	02JAND8	Sta 274+02-312+41 String Wire
	Sta 274+02-312+41 Insti Sec Insulators/Comp	30		27FEB08	Sta 274+02-312+41 Insti Sec Insulators/Comp
	Sta 274+02-312+41 Tension Wire	4	20FEB08	05MAR08	Sta 274+02-312+41 Tension Wire
raction Powe	1				
Ancillary Switch			-		
Construction		-	-		
A3TP P1045	ASGS - INSTL TP Equipment	10	10OCT07	23OCT07	LASGS - INSTL TP Equipment
A3TP P1055	ASGS - Cabling and Termination		24OCT07	08NOV07	ALASGS - Cabling and Termination
	Station TPS-02				
Construction					
A3TP P2040	TP-02 INSTL TP Equipment	10	200EC07	BOMALOO	TTP-02 INSTL TP Equipment
A3TP P2050	TP-02 - Cabling and Termination win site	10	11JAN08	29JAN08	TP-02 - Cabling and Termination w/in site
raction Power	Station TPS-03				
Construction			1.0		
A3TP P3050	TP-03 Install Cable at Site/to Guideway	15	15FE808	13MAR06	TP-03 Install Cable at Site/to Guideway
Traction Power	Construction	-			
Permanent Por	wer				
A3T3 PW 05	Permanent Pwr drop(DWP) @Switch Gear Sta	180	26JAN07	090CT07	Permanent Pwr drop(DWP) @Switch Gear Sta
A3T3 PW 10	Permanent Pwr drop(DWP) @TPS-02	180	26APR07	BOMALEO	Permanent Pwr drop(DWP) @TPS-02
A3T3 PW 15	Permanent Pwr drop(DWP) @TPS-03	180	26SEP07	80NUL90	Permanent Pwr drop(DWP) @TPS-03
Construction					
A3TP P3070	INSTL Parallel/Tunnel Feeder (Mariachi to Soto)	70	07NOV07	11MAR08	HISTL Parallel/Tunnel Feeder (Mariachi to Soto)
A3TP P2055	34.5KV Feeder to Soto Station	45	11JAN08	13MAR08	34.5KV Feeder to Soto Station
A3TP P3065	34.5KV Feeder to East Portal	100	11JAN08	29MAY08	34.5KV Feeder to East Portal
A3TP P3075	INSTL Tunnel Feeder (Soto to EP)	60	12MAR08	03JUN08	INSTL Tunnel Feeder (Soto to EP)
esting					the second s
Frain Control					
Field Acceptar	ice Tests	-			
A3T2T02 10	TC Field Acceptance Test - WP	3	19MAY08	21MAY08	ITC Field Acceptance Test - WP
ATP Dynamic /	Acceptance Tests				
A3T2T04 05	Train Ctrl - ATP Dynamic / Acceptance Test	20	22MAY08	20JUN08	Train Ctrl - ATP Dynamic / Acceptance Test
Date	01JUN02 Early B	ar Mi60			Sheel 6 of 7
h Date Date	15JUL09 29APR06				side Extension Date Revision Created Approved
Date	09MAY06 15.28	A main market		T-26 Critical Pa	h Schedule

Monthly Project Status Report	Metro Gold Line Eastside Extension
	nsion

### Integration / Field Tests 40 23JUN08 TC System Integration Test A3T2T03 05 TC System Integration Test 20AUG08 EMI Tests 20 25AUG08 23SEP08 Train Ctrl - EMI Testing A3T2T05 05 Train Ctrl - EMI Testing Traction Power System Installation / Field Tests TP Installation/Field Test @ TPS-03 A3T3T07 15 TP Installation/Field Test @ TPS-03 15 06JUN08 26JUN08 Functional / Integration Tests Traction Pwr-Functional / Integration Test A3T3T08 05 Traction Pwr-Functional / integration Test 40 27JUN08 22AUG08 Overhead Contact System OCS Electrical Tests A3T4T11 05 OCS - Electrical Test 40 28JUL08 22SEP08 OCS - Electrical Test Live Line Run Test OCS - Live Line Run Test A3T4T12 05 OCS - Live Line Run Test 20 23SEP08 20OCT08 Integration Testing Integration Test System Integration Test A3T1T03 05 System Integration Test 68 210CT08 27JAN09 MTA Startup Operations Metro Startup Operations Startup Operations Pre-revenue Operations 82" 20MAR09" MTCC216 Pre-revenue Operations 14JUL09 Revenue Operations Date MTCC230 Revenue Operations Date 0 15JUL09 Sheet 7 of 7 Start Date 01JUN02 MAGNA Earry Bar Finish Date 15JUL09 Metro Gold Line Eastside Extension Dete Revision Checked Approved Progress Bar 29APR06 01MAY05 April 2005 Schedule Update AA Data Date LT-26 Critical Path Schedule Run Dale © Primavera Systems, Inc. Critical Activity 09MAY08 15.28 Current Forecast

Early

Start

Early

Finish

2005

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Activity

Description

Activity

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# PROJECT MASTER SCHEDULE CRITICAL PATH (7 of 7)

# **CRITICAL PATH NARRATIVE & PROJECT STATUS**

### **Current Critical Path Analysis**

The eastbound tunnel excavation is in the third month of operation and although progress has been slower than planned, tunneling production rates are expected to increase, since personnel training has been completed and the westbound tunnel excavation has begun. Metro and the C0803 contractor will continue to reevaluate the overall schedule, including the latest projected production rates as provided by the tunneling contractor. Metro remains confident that these delays in schedule can be mitigated without impacting any of the project completion milestones, including the Revenue Operations Date.

The excavation of both tunnels, the construction of the tunnel invert and walkway are on the critical path. After tunnel excavation completes, the critical path becomes the construction of Mariachi Plaza Station, construction of Soto Station, and the installation of the overhead contact system for the underground alignment. System equipment installation such as overhead contact system, traction power, and local facilities testing are the last stage of the critical path prior to entering the final test stage, where systems integration testing and pre-revenue operations are conducted.

### Design

During this reporting period, the Issued for Construction (IFC) drawings for Segments 1, 2A and 3<sup>rd</sup> Street/I-710 Freeway Bridge Overcrossing were released and the 100% final design packages for Segments 6 and 7 were reviewed and approved. Also during the reporting period, the 100% final design packages for the Soto Station, the Maravilla Station and the Atlantic Station were submitted for review. Segment 3B 85% civil design package and the 85% Communications design package were submitted for review as well. The following facility design packages and the system design packages are in progress:

- Facility Design Packages:
  - 1. Boyle Heights/Mariachi Plaza Station, Little Tokyo/Arts District Station, Pico/ Aliso Station, Soto Station, Maravilla Station and Atlantic Station IFC packages,
  - 2. East L.A. Civic Center Station 85% design,
  - 3. Indiana Station remaining schematic design,
  - 4. Segments 2B, 4A, 6 and 7 IFC packages,
  - 5. Segments 3A, 4B and 5 100% civil design, and
  - 6. Segment 3B 100% civil design.

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# CRITICAL PATH NARRATIVE & PROJECT STATUS

- System Design Packages:
  - 1. Trackway/Guideway 100% design,
  - 2. Traction Power and Overhead Contact System 100% designs,
  - 3. Communication Systems 100% design, and
  - 4. Train Control System 85% design.

The City of Los Angeles 1<sup>st</sup> Street Bridge Widening Project is in the final design stage. There are three phases to the project: Phase I – Street Restoration, Phase II – Bridge Girder Strengthening, and Phase III – Bridge Widening. The C0803 contractor began Phase I construction this period. The remaining two phases are the responsibility of the City of Los Angeles. The Phase II construction bid documents are being assembled for issuance for bids in early June 2006. Phase III design is 85% complete and the process of securing all necessary permits has started.

### Construction

The eastbound tunnel excavation has progressed to 589 feet as of the end of this reporting period. Mining operations within the westbound tunnel began on April 26, 2006. Permeation grouting of the tunnel cross-passages is proceeding per schedule.

At the Soto Station, concrete placement for the sub-invert and invert slabs is underway, with an expected completion in mid-May 2006. This work is a predecessor to the removal of station lower level struts, which will allow the EPBM's to move through the station box structure.

At the West Portal, the structural excavation and shoring is nearing completion.

At the East Portal, the structural excavation and shoring has begun and is scheduled to complete late May 2006. The new crematorium retaining wall completed this reporting period and construction of the Los Angeles County Crematorium access road is underway. The widening of 1<sup>st</sup> Street at the north side continues.

The widening of the south side of 1<sup>st</sup> Street is underway between Alameda and Vignes Streets. Also, the north side of 3<sup>rd</sup> Street is being widen between Mednik and LaVerne Streets.

Various utility relocations are continuing along 1<sup>st</sup> Street, Lorena Street, Indiana Street and 3<sup>rd</sup> Street.

The C0803 contractor began Phase 1 (Street Restoration) of the City of Los Angeles 1<sup>st</sup> Street Bridge Widening Project.

For Contract C0802 – US 101 Freeway Bridge Overcrossing Project, the Caltrans contractor is continuing with concrete placement on the middle section of the LRT bridge structure. Repairs for Bent No. 3 have started and are expected to be complete in early May 2006.

# **PROJECT COST STATUS**

ELE-	DESCRIPTION	ORIGINAL	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		BUDGET /
MENT	DESCRIPTION	BUDGET	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	FORECAST
C	CONSTRUCTION	633,221		662,391	19	642,428	18,034	250,535	•	662,391	•
8	SPECIAL CONDITIONS	19,494	· · · ·	20,329	137	15,486	1,635	15,052	•	20,329	•
R	RIGHT-OF-WAY	40,358	-	41,742	•	41,563	159	37,282	•	41,742	•
Ρ	PROFESSIONAL SERVICES	135,304	•	135,936	128	97,877	923	86,501	•	135,936	•
PC	PROJECT CONTINGENCY	60,254	•	28,249	•	•	•	•	•	28,249	•
PR	PROJECT REVENUE	(4,617)	•	(4,633)	-	•	(23)	(39)	•	(4,633)	•
	SUBTOTAL	884,014		884,014	283	797,155	20,729	389,331	A-Barris	B84,014	Ser States
PF	PROJECT FINANCE COST	14,800	-	14,800	(628)	(2,231)	(628)	(2,231)		14,800	-
	TOTAL	898,814		898,814	(345)	794,924	20,101	387,100		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 \$0.3 million this period due to interest income received associated with the Project Finance Cost. The Project Finance Cost reflects a credit amount due to the timing difference on actual interest receipt and interest paid. 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 \$794.9 million in Commitments to date represents 88.4% of the Original Budget.

### Expenditures

Expenditures are cumulative through March 2006. The Expenditures increased by \$20.1 million this period primarily due to construction costs associated with Contract C0803 – Tunnel, Stations, Trackwork, and Systems. The expenditures for this period are higher than usual due to the posting of both the February 2006 and March 2006 invoices for Contract C0803 in the Metro Financial Information System (FIS). The \$387.1 million in Expenditures to date represents 43.1% of the Original Budget.

# PROJECT COST STATUS

ELE-		ORIGINAL	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		BUDGET /
MENT	DESCRIPTION	BUDGET	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	FORECAST
C	CONSTRUCTION	18,000	•	18,000	136	8,028	113	1,099	•	18,020	2
8	SPECIAL CONDITIONS	-	•	•	-	•		-	-		•
R	RIGHT-OF-WAY							-	•	•	
P	PROFESSIONAL SERVICES	•	-	· · ·			-				•
PC	PROJECT CONTINGENCY		•	-		·					-
PR	PROJECT REVENUE	•	•			(20)	•		•	(20)	(20
	SUBTOTAL	18,000	•	18,000	136	8,008	113	1,099	A RANGE	18,000	Halles-
PF	PROJECT FINANCE COST	-	-	-	-	•	•		-	-	
Contraction of the	TOTAL	18,000	Section 1	18,000	138	8,008	113	1.099		18,000	

# **PROJECT COST ANALYSIS**

### **Original Budget**

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

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

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

### Commitments

The Commitments increased by \$0.1 million this period due to executed contract modifications for street restoration work and betterments located on Vignes Street. The Commitments to date are \$8.0 million and represents 44.5% of the Original Budget. The Mangrove site utilities betterments will be funded by Project Revenues collected from the City of Los Angeles.

### Expenditures

The Expenditures increased by \$0.1 million this period due to work performed on the Mangrove site utilities betterments, design of additional TPSS and urban design elements. The \$1.1 million in Expenditures to date represents 6.1% of the Original Budget.

### FINANCIAL/GRANT STATUS - ORIGINAL SCOPE ACTIVITIES

APRIL 2006	STATUS OF FUNDS BY SOURCE											
and the second many second second			1			in \$ millions						
	(A) ORIGINAL	(B) TOTAL	(C) TOTAL	(D)	(D/B)	(E)	(E/B)	(F)	(F/B)			
SOURCE	BUDGET	FUNDS	FUNDS	COMMITMENTS		EXPENDI	URES	BILLED to FUNDING				
	DODGE	ANTICIPATED	AVAILABLE	\$	%		%	\$	ус %			
FEDERAL - SECTION 5309 NEW START (1)	490.7	490.7	155.2	403.9	82%	160.2	33%	160.2	33%			
ED - SECTION 5309 FIXED GUIDEWAY	23.1	12.0	12.0	12.0	100%	12.0	100%	12.0	100%			
EDERAL - CMAQ	10.3	10.3	10.3	10.3	100%	10.3	100%	10.3	100%			
REGIONAL IMPROVMNT PROG-FED	179.6	4.6	4.6	4.6	100%	4.6	100%	4.6	100%			
REGIONAL IMPROVM PROG-STATE	0.6	175.6	44.2	175.6	100%	44.2	25%	44.2	25%			
STATE TCRP	45.0	45.0	45.0	45.0	100%	45.0	100%	45.0	100%			
PROP A 35% / PROP C 40%	124.6	135.7	135.7	135.7	100%	103.0	76%	75.8	56%			
EASE REVENUES	10.1	10.1	10.1	10.1	100%	10.1	100%	10.1	100%			
CCRUALS												
SUB-TOTAL	884.0	884.0	417.1	797.2	90%	389.3	44%	362.1	41%			
ROP A/PROP C (INTEREST COST)	14.8	14.8	2.0	-2.2	-15%	-2.2	-15%	-2.2	-15%			
TOTAL	898.8	898.8	419 1	794.9	88%	387.1	43%	360.0	40%			

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MARCH 2008.

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

### STATUS OF FUNDS ANTICIPATED

FEDERAL SECTION 5309 NEW STARTS: LACMTA received an appropriation of \$59.5M for FY05. Grants have been executed and funds are available for drawdown. FTA revised the FY06 apportionments showing the FY06 allocation for the Eastside Extension will be \$78,408,000. LACMTA submitted the FTA grant application in the Transportation Electronic Award and Management (TEAM) System on March 7,2006. The Grant was approved by FTA on April 17, 2006 and funds are available for drawdown.

**RIP-STATE:** LACMTA submitted a request for an AB 3090 reimbursement allocation of \$43.8 M in STIP funds to the CTC for consideration at their July 2006 meeting.

**STATE TCRP:** On April 3, 2003 the California Transportation Commission approved LACMTA's request to amend the STIP to convert \$191M of unallocated TCRP funds to STIP funds. On August 25, 2003, LACMTA submitted a request for AB1335 Letter of No Prejudice (LONP) authority for Phase 4 construction activities. In 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. TCRP funds will not be available for drawdown until Phase 4 (Construction) is completed.

# FINANCIAL/GRANT STATUS

### **CONCURRENT NON-FFGA PROJECT ACTIVITIES**

an 2								in \$ million	IS
SOURCE	(A) ORIGINAL BUDGET	(B) TOTAL FUNDS	(C) TOTAL FUNDS	(D) COMMITI	(D/B) MENTS	(E) EXPENDI	(E/B) TURES	(F) BILLED to SOUR	(F/B) FUNDING RCE
		ANTICIPATED (1)	AVAILABLE	\$	%	\$	%	\$	%
EDERAL - CMAQ	14.0	0.0							
PROP C 40%	0.0	Ĭ <b>4.</b> 0	14.0	7.9	57%	1.1	8%	1.0	7%
PROP C 10%	4.0	4.0	4.0		0%		0%		0%
ACCRUALS									
OTAL	18.0	18.0	16.0	7.9	44%	1.1	6%	1.0	6%

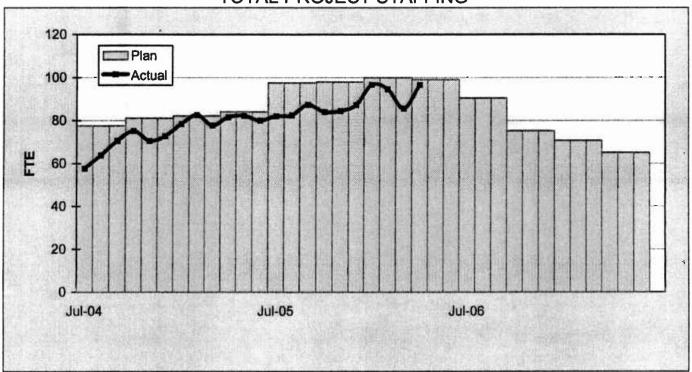
(1) Based on March 2005 Board Report. NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MARCH 2006.

# **STATUS OF FUNDS ANTICIPATED**

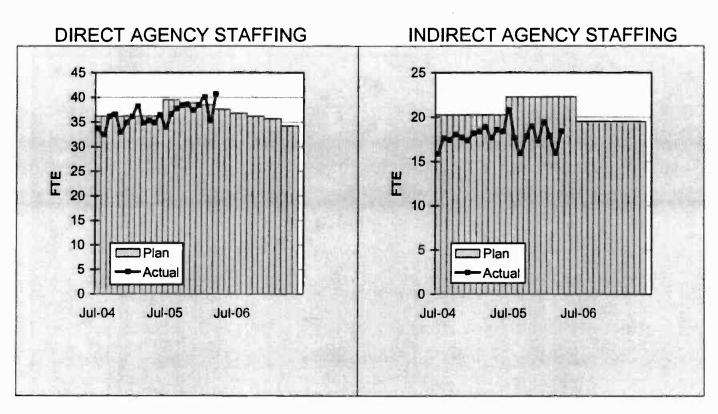
**FEDERAL CMAQ:** LACMTA submitted a grant application to the FTA in June 2005 for \$9.9M. FTA is questioning the use of federal funds on this project. LACMTA will replace Federal – CMAQ with Proposition C 10% and 40% funds.

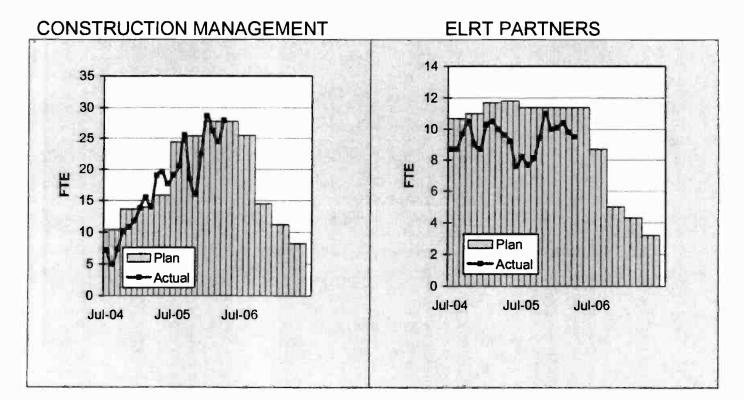
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# **STAFFING STATUS**



### TOTAL PROJECT STAFFING





# **STAFFING STATUS**

### **REAL ESTATE STATUS**

- For C0803, the tunnel portion of the alignment, 40 parcels are required for acquisition (11 full takes, 4 partial takes, 20 sub-surface easements/temporary construction easements, 3 sub-surface easements/building protection, and 2 building protections).
- For C0803, the at-grade portion of the alignment, 27 parcels are required for acquisition (17 full takes, 9 partial takes and 1 surface easement). Nine parcels have been identified for the proposed Ramona High School site reconfiguration.
- For C0802, 2 parcels are required (1 surface easement and 1 full take parcel).
- Sixty-nine parcels have been certified, 40 for C0803-Tunnel, 27 for C0803-At-Grade and 2 for C0802. Offers have been made to 67 property owners. A total of 61 parcels are available (40 under C0803-Tunnel, 19 under C0803-At-Grade, and 2 under C0802). The remaining properties are needed for the Ramona High School reconfiguration.
- Third Party Administration has obtained two Encroachment Permits from Caltrans for C0803-Tunnel. All three (3) street closures have been obtained from the City of LA.

REALE	STATE AC	QUISTIO	N SCHEDU	LE SUM	MARY	
				Behind	Schedule	
Number of		· ·	Remaining		Avg.	
Parcels					Calendar	
	Required	Acquired	Acquirea	Number	Days	
This Period	69	61	8	0	0	
Last Period	69	61	8	0	0	
	Number of Parcels	Number of ParcelsRequiredThis Period69	Number of ParcelsRequiredAcquiredThis Period6961	Number of ParcelsRemaining Parcels to be AcquiredThis Period6961	Number of ParcelsRequiredRemaining Parcels to be AcquiredBehindNumberRequiredAcquiredNumberThis Period696180	ParcelsParcels to be AcquiredCalendar DaysThis Period6961800

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

CONTRACT NO.	Number of Parcels (A+B+C+D+E)	Agreements Signed (A)	Parceis in Condermation (B)	Under Negotiation (C)	In Appraisal Process (D)	Inactive Parcels (E)	Parcels Available
	40	36	4	0	0	0	40*
0803-At-Grade	27	· 22	1	3**	0	1**	19
0802	2	2	0	0	0	0	.2
TOTAL	69	60	5	3	0	1	61
LAST PERIOD	69	60	5	3	0	1	61

\* Parcel ES-604 Ramona High School (portion to be accuired)

\*\* Remaining Alma parcels under negotiation

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# **ENVIRONMENTAL STATUS**

- Held RAC Ad Hoc Subcommittee in Chinatown to present findings to the Chinese Community.
- Completed keystone wall at the Los Angeles Crematorium site.
- Requests for retribution and re-interment from the Chinese Historical Society were submitted to the CEO's office.

# COMMUNITY RELATIONS STATUS

- Held project briefing for the Review Advisory Executive Committee and Ad-Hoc Sub Committee.
- Prepared and distributed three construction notices for street widening, street light relocations, and new curb and gutters installation.
- Provided a construction update to the Little Tokyo Community Council.
- Coordinated access for Hayward Bakers' phase II grouting implementation.
- Provided door-to-door briefings on the full street closure for East Portal construction activities.
- Authorized Letter of Agreement concerning mitigations related to West Portal easement issues.
- Supported the Indiana Street Options workshop.

# QUALITY ASSURANCE STATUS

- Continued to coordinate with Metro Engineering and Traylor-Shea-Ghazi to resolve the issue of tunnel precast segments with deficiencies.
- Reviewed audit identified deficiencies for closure.

# SAFETY STATUS

- Participated in weekly progress meetings with construction management and ELRTC personnel to discuss safety related issues and construction schedule.
- Conducted Safety Orientation training for Third Party personnel.
- Conducted All Hands Safety Meeting with ELRTC's Safety personnel, Metro Transit Security, LAPD and LA Fire representatives.
- Monitored construction activities on a daily basis to ensure safety compliance.
- Conducted Tunnel Safety Awareness Training for Metro management.
- ELRTC reported zero recordable incidents and 60,000 work hours for the month of April 2006. Project to date work-hours: 868,000. A total of 14 recordable incidents to date. Statistical rate for recordable incidents is 3.2 below the National Average of 5.6.

# ART DEVELOPMENT STATUS

### Soto Station

• Design review of 100% construction document.

### Maravilla Station

• Design review of 100% construction document.

East Los Angeles Civic Center

• Design review of 100% construction document.

### Atlantic Station

• Design review of 100% construction document.

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# THIRD PARTY AGREEMENT STATUS

Third PartyType of AgreementForecast Execution DateRequired Need DateStatus/ CommentsCity of Los AngelesAmendmentCompletedN/AExecuted December 2002.Los Angeles CountyMasterCompletedN/AExecuted April 2003.Caitrans (All Projects)MasterCompletedN/AExecuted July 2003.Caitrans (101)DesignCompletedN/AExecuted July 2003.Caitrans (101)ConstructionCompletedN/AExecuted September 2003.Caitrans (101)Maintenance12/08Project CompletionThe initial negotiation meeting was 1/9/03. LACMTA received a draft Caitrans on 1/22/04. LACMTA received a draft 1/9/03. LACMTA received a draft 1/9/03. LACMTA received a draft to response to date.LADWP (Water/Power)Amendment5/06*6/04LACMTA Management, County Cc and LACMTA Board staft have par in meetings with DWP to complete a clause is not acceptable to LADWI Alternative language was forwarde LACMTA Management and County for review on 10/7/05. LACMTA Management has approved final la and agreement was presented aft Board Meeting in January 2006 for however, the Board requested diff Deadine and Delay language. DV will be presented with the new lang DWP Board was presented with the new lang DWP Board was presented with the new lang	ft from eviewed Caltrans on ade on e. Counsel, participated
Los Angeles County         Master         Completed         N/A         Executed April 2003.           Caitrans (All Projects)         Master         Completed         N/A         Executed July 2003.           Caitrans (101)         Design         Completed         N/A         Executed July 2003.           Caitrans (101)         Construction         Completed         N/A         Executed September 2003.           Caitrans (101)         Construction         Completed         N/A         Executed September 2003.           Caitrans (101)         Maintenance         12/08         Project         The initial negotiation meeting was completion           Caitrans (101)         Maintenance         12/08         Project         The initial negotiation meeting was completion           Caitrans (101)         Maintenance         12/08         Project         The initial negotiation meeting was completion           Caitrans (101)         Maintenance         12/08         Project         The initial negotiation meeting was completed           Caitrans (101)         Amendment         5/06         *6/04         LACMTA Management to Count of caitrans on 1/2/20/4. LACMTA received a draft of caitrans on 1/2/20/4. LACMTA board staff have par in meetings with DWP to complete on and LACMTA Management and Count of review on 10/7/105. LACMTA           (Water/Power)         Amendment	ft from eviewed Caltrans on ade on e. Counsel, participated
Los Angeles County         Master         Completed         N/A         Executed April 2003.           Caitrans (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)         Construction         Completed         N/A         Executed September 2003.           Caltrans (101)         Maintenance         12/08         Project         The initial negotiation meeting was completion           Caltrans (101)         Maintenance         12/08         Project         The initial negotiation meeting was completion           Caltrans (101)         Maintenance         12/08         Project         The initial negotiation meeting was completion           Caltrans (101)         Maintenance         12/08         Project         The initial negotiation meeting was completed           Caltrans (101)         Amendment         5/06         *6/04         LACMTA Management to Count of completed           LADWP         Amendment         5/06         *6/04         LACMTA Management, County Co and LACMTA Board staff have par in meetings with DWP to completed negotiations, since the "Deadline aclause is not a	ft from eviewed Caltrans on ade on e. Counsel, participated
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         The initial negotiation meeting was 1/9/03. LACMTA received a draft of Caltrans on 1/22/04. LACMTA received a draft of Caltrans on 1/22/04. LACMTA received a draft of Caltrans on 1/22/04. CACMTA received a draft of Caltrans on 1/22/04. CACMTA received a draft of Caltrans on 1/22/04. A follow up call was made 10/20/05 but no response to date.           LADWP         Amendment         5/06         *6/04         LACMTA Management, County Co and LACMTA Board staff have par in meetings with DWP to complete negotiations, since the "Deadline a clause is not acceptable to LADWW Alternative language was forwarde LACMTA Management and Count for review on 10/7/05. LACMTA           Management has approved final la and agreement was presented at the Board Meeting in January 2006 for however, the Board requested diff         Deadline and Delay language. DW will be presented with the new lang DWP Board was presented with the new lang BUCMA	ft from eviewed Caltrans on ade on e. Counsel, participated
Caltrans (101)         Design         Completed         N/A         Executed July 2003.           Caltrans (101)         Construction         Completed         N/A         Executed September 2003.           Caltrans (101)         Maintenance         12/08         Project         The initial negotilation meeting was 1/9/03. LACMTA received a draft in Caltrans on 1/22/04. LACMTA received a draft in Caltrans on 1/22/04. LACMTA received a draft in Caltrans on 1/22/04. Caltrans	ft from eviewed Caltrans on ade on e. Counsel, participated
Caltrans (101)         Construction         Completed         N/A         Executed September 2003.           Caltrans (101)         Maintenance         12/08         Project Completion         The initial negotilation meeting was 1/9/03. LACMTA received a draft of Caltrans on 1/22/04. A follow up call was made 10/20/05 but no response to date.           LADWP (Water/Power)         Amendment         5/06         *6/04         LACMTA Management, County Co and LACMTA Board staff have par in meetings with DWP to complete negotilations, since the "Deadline a clause is not acceptable to LADWI Alternative language was forwarde LACMTA Management and County for review on 10/7/05. LACMTA Management has approved final la and agreement was presented at t Board Meeting in January 2006 for however, the Board requested difft Deadline and Delay language. DV will be presented with the new lang DWP Board was presented with the	ft from eviewed Caltrans on ade on e. Counsel, participated
Caltrans (101)       Maintenance       12/08       Project Completion       The initial negotilation meeting was 1/9/03. LACMTA received a draft of Caltrans on 1/22/04. LACMTA rev and submitted the agreement to C 2/10/04. A follow up call was made 10/20/05 but no response to date.         LADWP (Water/Power)       Amendment       5/06       *6/04       LACMTA Management, County Co and LACMTA Board staff have par in meetings with DWP to complete negotilations, since the "Deadline a clause is not acceptable to LADWI Alternative language was forwarde LACMTA Management and County for review on 10/7/05. LACMTA Management has approved final la and agreement was presented at t Board Meeting in January 2006 for however, the Board requested diffe Deadline and Delay language. DV will be presented with the new lang DWP Board was presented with the	ft from eviewed Caltrans on ade on e. Counsel, participated
LADWP (Water/Power)       Amendment       5/06       *6/04       LACMTA Management, County Co and LACMTA Board staff have par in meetings with DWP to complete negotiations, since the "Deadline a clause is not acceptable to LADWI Alternative language was forwarde LACMTA Management and County for review on 10/7/05. LACMTA Management has approved final la and agreement was presented at t Board Meeting in January 2006 for however, the Board requested diffe Deadline and Delay language. DV will be presented with the new lang DWP Board was presented with the	Counsel, participated
Delays. Waiting on Metro Manage direction.	e and Delay" NP. ded to nty Counsel language to the Metro for approval; ifferent DWP Board inguage. the new lines and gement
So. Cal. Edison Co. Amendment N/A N/A SCE Executive Legal Branch state 2/25/05 they have no intention of s agreement.	
The Gas Company Amendment Completed N/A Executed May 2005.	
SBC Amendment Completed N/A Executed May 2005.	
Adelphia Cable Amendment 5/06 *6/04 LACMTA received a draft from Ade Company Counsel reviewed the amendre returned the document to Ade comments. Adelphia's Legal Dep reviewing the document. A follow were made on 10/20/05 and 11/16	and County Idment and delphia with epartment is low up calls
Calif Wtr Service Co Master Completed N/A Executed May 2005.	
L.A. County Sanitation N/A N/A N/A In a letter dated 3/26/03, the Districts District stated that there is not a n agreement since there are no related to their facilities. The District will review submittals encasements of their facilities of Street.	need for an relocations Sanitation related to
MCI Worldcom Amendment Completed N/A Executed May 2005.	
Metropolitan Wtr Dist Amendment Completed N/A Executed May 2003.	

# THIRD PARTY AGREEMENT STATUS (Continued)

<u> </u>				
Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
Verizon Wireless	Amendment		*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
	to posed of the	· .	a go e tra anti-	review. Follow up calls were made on 10/20/05 and 11/16/05. Verizon has now joined MCI and once the legal work is complete in late February 2006, LACMTA
		-		may be able to use the MCI Agreement for Verizon work. E-mailed MCI Agreement to Verizon Representative for consideration as overall agreement covering Verizon and MCI as the new Verizon.
AT&T Local Services	Amendment	5/06	*6/04	LACMTA County Counsel reviewed the existing agreement and recommended revisions. A revised amendment was sent to AT&T. AT&T Legal is completing final
				review for execution. Follow up calls were made on 10/20/05 and 11/16/05. Since AT&T and SBC have joined AT&T was
				asked if they could adopt SBC Agreement on 11/16/05. No response to date. AT&T has now joined SBC and when all legal transactions are complete in March 2006, LACMTA may be able to use SBC
				Agreement for AT&T work. E-mailed the SBC Agreement to the AT&T legal council for consideration as the overall agreement covering the new AT&T.
GST	N/A			Facilities are not impacted by Eastside Construction
Exxon Mobil Oil Company	N/A			Facilities are not impacted by Eastside Construction
Pacific Pipeline Company	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	2/7/03	5/5/03	7/25/2003	Additional application (3rd/Ditman) t be submitted. On-hold until Indiana St. alignment resolved. Should Indiana Alternative alignment be implemented, Metro will need to resubmit 4 new crossing applications.
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
11	Complete	12/11/03	12/18/02	3/10/03	11/22/02	5/5/03	8/29/2003	Approved
12	Complete	2/13/03	2/27/03	4/18/03	12/6/02	6/6/03	8/29/2003	Approved
13	Complete	2/13/03 2/6/03	2/27/03	4/18/03	12/13/02	6/6/03	9/5/2003	Approved
14	Complete	1/8/03	2/20/03	4/18/03	2/21/03	6/6/03	B/1/2004	Approved
15	Complete	2/26/03	N/A	3/14/03 N/A	11/12/02 2/21/03	8/29/03	10/30/2003	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 N/A	2/14/03	6/6/03 5/5/03	8/29/2003	Approved
18	Complete	1/8/03	1/15/03	3/20/03	2/14/03	5/5/03	6/13/2003 6/13/2003	Approved
C. State of the local division of the	sponsible	ELRTP	MTA	ELRP	ELRTP	MTA	MTA	Approved

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

### SHADED AREAS REPRESENTS COMPLETION

41 applications approved.

An additional application is planned to be submitted after further analysis. The location is 3rd and Ditman.

Extensions are being submitted as approvals surpass their 3 year life span.

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

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	CONTRACT CO	802 STAT	JS				
Description: 101 Freeway	Bridge Overcrossing	Contract No.	C0802				
Contractor: Brutoco Engi	neering & Construction	Status as of:	April 2	8, 2006			
Progress/Work Completed		Major Activiti	es (in F	rogres	s):		
* Completed Bridge-2 (middle section) * Completed Commercial Street retain	iost deck formwork ng wail backfill	* Plie repair for Ben * Design of pile repair * Procurement of O * Roadway construct	air for Ben CS pole fo		inchor bolt	S	
Areas of Concern:		Major Activiti	oc Nov	Dorios	. ·	. p	
None		<ul> <li>Bridge-2 deck con</li> <li>Bent No. 3 column</li> <li>Start erection of B</li> <li>Pile repair design</li> <li>Install 2 suppleme</li> <li>Commercial Stree</li> </ul>	crete work 1 ridge-1 fai approval fo ntal piles a	and pre-s se work or Bent No at Bent No	tressing . 9 . 9	ment	
Schedule Summary:	· .		Original	Time	Current	Forecast	Variance CDs
Date of Award:	09/07/04	Notice to Proceed	Dates 09/22/04	O	09/22/04	09/22/04	
Notice to Proceed:	09/22/04	Milestone 1 - Complete Abutment No. 10	06/26/06	37	08/02/06	12/04/06	-124
Original Contract Duration: Current Contract Duration:	700 CD 737 CD	Milestone 2- Complete All Work	08/23/06	37	09/29/06	02/12/07	-136
Elapsed Time from NTP:	584 CD						
Physical Percent Complete Physical completion * as of this report * Note: Physical completion assessment and involce amount shown in Caltrans Expense Report No. 19.	ng period is: 52.53% nt reflects work completed	Cost Summar 1. Award Value: 2. Executed Modifi 3. Approved Chang 4. Current Contract 5. Incurred Cost:	cations: ge Orders:		\$1	n millic 6.42 0.00 0.00 6.42 3.94	

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i.

Description: Tunnel, Stati Systems	ons, Trackwork &	Contract No.	C0803					
Contractor: Eastside LR	Constructors	Status as of: April 28, 2006						
<ul> <li>Progress/Work Complete</li> <li>Completed mining 399 feet in the early of 589 feet</li> <li>Completed west bound EPBM testin April 26, 2006</li> <li>Completed the East Portal cremator</li> <li>Completed issued for Construction Overcrossing and for civil Segments</li> <li>Completed review of 100% civil design particular to the stations</li> <li>Submitted for review 100% design particular to complete review of 85% design particular to complete review</li></ul>	ast bound tunnel for a to date total ing and started tunnel mining on rium retaining wall (IFC) packages for 3rd Street 1 and 2A ign packages for Segments 6 and backages for Soto, Maravilla and ackages for civil Segment 3B and	Major Activiti Both tunnels mini Started East Port Continue Soto Sta Continue East Port Began sewer and Began right hand AFC packages for AFC packages for Pico/Aliso Stations 100% civil design 100% design for Overhead Contact 85% design for E packages Major Activiti Eastbound and w Complete East Por Complete East Por Segment 1- cons Segment 2A - cor Segments 6 & 7 - Start 24" RCP ins	ng betwee al Cremato ation sub-live rtal and W storm drai tum pocke Segments r Mariachi for Segme for Segme frackway/C System pa ast L.A. Ci ies Nex estbound t tation inver ortal LA Co ortal and W truct 36" st continue 3	n Mariachi brium LA C nvert and li lest Portal in work on et at 1st an 2B, 4A, 6 Plaza, Littl ents 3A, 4E Guideway, uckages vic Center to Center t	Plaza and ounty acce nvert excavation Segment 1 d Vignes S and 7 e Tokyo/Au 3 and 5 Traction Pl Station and Station and <b>1:</b> ng - middle se ss road and excavation and VCP s ening-south widening-n	ess road s litreets-Seg rts District ower and d for Train d for Train d side walk s ewer line side only orth side o	i. 2A and Control	
Schedule Summary:		<u> </u>	Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs	
Date of Award:	06/01/04	Notice to Proceed	07/01/04	0	07/01/04	07/01/04	o	
Notice to Proceed:	07/01/04	Milestone 1 - Contract						
0	1795 CD 1800 CD	Completion. Complete all systems Integration testing and ready for MTA's pre-revenue operation testing.	12/31/08	7	01/07/09	01/07/09	O	
Current Contract Duration:		Completion. Complete all systems Integration testing and ready for MTA's pre-revenue	12/31/08 04/30/08	7	01/07/09	01/07/09 05/05/08	0	
Current Contract Duration: Elapsed Time from NTP:	1800 CD	Completion. Complete all systems Integration testing and ready for MTA's pre-revenue operation testing. Milestone 3 - Complete Universal Fare System					-	
Current Contract Duration: Elapsed Time from NTP:	1800 CD 668 CD	Completion. Complete all systems Integration testing and ready for MTA's pre-revenue operation testing. Milestone 3 - Complete Universal Fare System Equipment erea. Milestone 5 - Vacate ell staging areas and tum	04/30/08	5	05/05/08	05/05/08	0	
Current Contract Duration: Elapsed Time from NTP: Option D Contract duration	1800 CD 668 CD 90 CD Complete	Completion. Complete all systems Integration testing and ready for MTA's pre-revenue operation testing. Milestone 3 - Complete Universal Fare System Equipment erea. Milestone 5 - Vacate ell staging areas and tum over to MTA. Milestone 6 - Complete design and construction	04/30/08 05/30/09 09/28/04	5	05/05/08 06/04/09 09/28/04	05/05/08 06/04/09	0	
Current Contract Duration: Elapsed Time from NTP: Option D Contract duration Physical Percent Complet	1800 CD 668 CD 90 CD Complete	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 tum over to MTA. Milestone 6 - Complete design and construction of Option D work.	04/30/08 05/30/09 09/28/04	5	05/05/08 06/04/09 09/28/04	05/05/08 06/04/09 09/28/04	0	
Original Contract Duration: Current Contract Duration: Elapsed Time from NTP: Option D Contract duration Physical Percent Complet Physical completion * as of this report	1800 CD 668 CD 90 CD Complete	Completion. Complete all systems Integration testing and ready for MTA's pre-revenue operation testing. Milestone 3 - Complete Universal Fare System Equipment erea. Milestone 5 - Vacate ell staging areas and tum over to MTA. Milestone 6 - Complete design end construction of Option D work. <b>Cost Summa</b>	04/30/08 05/30/09 09/28/04	5	05/05/08 06/04/09 09/28/04	05/05/08 06/04/09 09/28/04 n millio	0	
Current Contract Duration: Elapsed Time from NTP: Option D Contract duration Physical Percent Complet	1800 CD 668 CD 90 CD Complete re: ing period is: 26.73%	Completion. Complete all systems Integration testing and ready for MTA's pre-revenue operation testing. Milestone 3 - Complete Universal Fare System Equipment erea. Milestone 5 - Vacate ell staging areas and tum over to MTA. Milestone 6 - Complete design end construction of Option D work. <b>Cost Summai</b> 1. Award Value:	04/30/08 05/30/09 09/28/04 TY: ications: ge Orders:	5	05/05/08 06/04/09 09/28/04	05/05/08 06/04/09 09/28/04 n millio 600.45	0	

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# **CONTRACT P2550 STATUS**

Description: 2550 Rall Vehicle Program	Contract No. P	2550					
Contractor: Ansaldobreda, Italy	Status as of: April 28, 2006						
<ul> <li>Progress/Work Completed:</li> <li>1. Proof of Design Testing and Preliminary Testing continued for the two (early delivery) 2550 LRV's. The two LRV's successfully operated on all Metro Lines and successfully climbed the 7% grade of the MBL/MGL connector.</li> <li>2. The Contractor's Pittsburg, California plant is set to receive the first carshelis shipped from Pistola, Italy. Staffing at the Plant has begun and vehicle assembly started in April 2006.</li> <li>3. A container, with 28 pallets of LRV components, from Italy arrived in Pittsburg, CA this period. Additional car shell deliveries will occur on May 21, 2006. Subsequent shipments are scheduled to arrive in Long Beach in mid-May as defined in the Contract Documents.</li> <li>Areas of Concern:</li> <li>1. Documentation submittais are almost complete and ready for Metro approval.</li> <li>2. Metro's cashflow forecast for this contract are behind schedule ad steps are being taken to ease the scheduling difficulities involved in the funding process.</li> <li>3. Car shell delivery has started from Italy to the USA.</li> </ul>	Major Activities ( 1. Ansaldobreda is pre- shipment to Pittsburgt L.A. to Pittsburg to fol 2. The contractor cont 9A., 11A, 12A, 13A, 3. Ansaldobreda is pre- shipment to Pittsburgt Major Activities 1. LRV Prototype Cars- manufacture. 2. During this period the expedite where necessi- production and suppor 3. Weekly teleconfere- issues. 4. Shipment from Italy subassemblies are ur 5. Continue the Production 6. MTA initiated Mid-C underway to allow Cor- obligations should they of tha contract.	paring LR final asse low. inues to we paring LR for re-ma <b>Next Pe</b> will be se will be se to fithe P2 will be re- to the Pitt derway. ction of LR ontract "Bi intractor to	V carshell mbly plan ork toward V Prototyp nufacture. <b>riod:</b> nt to Pittst continue to heduled a 550 rail ve ngs will co sburgh Pie V Carshel uy America make com sary, rathe	t, shipmen is completi- be Cars 70 burgh, CA if o closely m ctivities inve- intinue to n ant of car s lis in italy. a" due dilig ections to o er than wal	t of car 702 on of Miles 1 & 702 for for re- nonitor and rolved in th act. nonitor des hells & lence audi contractua	2 from stones r ha sign t he end	
		Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs	
Schedule Summary:	Notice to Proceed	08/06/03	o	06/06/03A	06/08/03A	0	
Date of Award: 04/24/03 Notice to Proceed: 08/06/03	Milestone 5A - Appr.dwgs, per Sect.1.13.1Tech Specs	05/07/04	O	05/07/04	05/29/06	752	
Original Contract Duration: 1460 CD	Milestone BA - Appr.of Operator Cab Mockup	06/04/04	0	06/04/04	05/28/08	724	
Current Contract Duration: 1460 CD Elapsed Time from NTP: 1057 CD	Milestone 7A - Traction Motora Perf. Tests	11/05/04	O	11/05/04	03/10/06	492	
Option 1 & 2 Contract duration ** after starting options 1 & 2 1480 CD**	Milestone 8A - Appr.of Stress Analysis & C.T. Report	11/05/04	o	1 1/05/04	04/28/06	492	
Neto MTA locual Madification No. 4 to Appolabrada . Medification No.	Milestone 9A - Appr.of 1st Artcl & Finst Op. Hazard Analysis	02/04/05	o	02/04/05	05/28/06	479	
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	Milestone 10A - Deliver Draft Op.Maint.H. Repair Manuals	02/11/05	ο.	02/11/05	04/28/06	442	
recently granted California Board Of Equalization exemption for State Sales Tax on the Light Rail Vehicles.	Milestone 11A - Appr.of Ops. , Maint, & Training Program Lesson Plans	04/08/05	0	04/08/05	08/28/06	446	
MTA and Ansaldobreda agreed to Mod No. 3 which extended the Option One ordering period from April 2008 to April 2007, effective March 14, 2008.	Milestone 12A -Appr.of Oper., Maint, & Heavy Repair Manual	09/23/05	0	09/23/05	07/28/06	309	
Physical Percent Complete:	Cost Summary	<b>':</b>		\$1	n millio	ons	
Physical Work completion* as of April 2006 is 68%	1. Award Value: Pasadena (Proj. Eastside Ext. (Pr				126.99 31.75		
Percent Work Product Invoiced** through April 2006 is 24.85%	2 Evoluted Medificat	long	Total Awa	a <b>rd</b> Value	158.74		
* Note: Physical Work completion assessment reflects work completed and work in progress.	2 Executed Modificat 3 Approved Change 4 Current Contract V	Orders: (N			0.00 0.00 158.74		
**Reflects percent of Contract price invoiced and paid to date.	5 Incurred Cost:	•	-		52.68		

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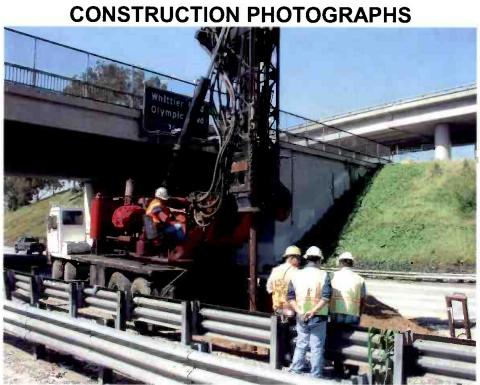


# **CONSTRUCTION PHOTOGRAPHS**

Utility relocation on the 1<sup>st</sup> Street Bridge.



West Portal entrance.



Preparatory work at the I-710 Freeway Overcrossing.



Widening of 3<sup>rd</sup> Street at the East LA Civic Center.



# **CONSTRUCTION PHOTOGRAPHS**

View of tunnel from the Boyle Heights/Mariachi Plaza Station.



# **CONSTRUCTION PHOTOGRAPHS**

Utility relocation along Alameda Street.

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# APPENDIX

# COST AND BUDGET TERMINOLOGY

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

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

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

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

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

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

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

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

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

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

# April 2006

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# **APPENDIX**

# LIST OF ACRONYMS

	AFE	Authorization For Expenditure
	ATC	Automatic Train Control
	CADD	Computer Aided Drafting and Design
	CALTRANS	California Department of Transportation
	CD	Calendar Day
	CM	Construction Manager
	CMAC	Congestion Mitigation Air Quality
	CN	Change Notice
	CO	Change Order
	CNFPA	Concurrent Non-FFGA Project Activities
	CPM	Critical Path Method
ļ	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 FEIR	Final Environmental Impact Statement Final Environmental Impact Report
	FFGA	Full Funding Grant Agreement
1	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
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# 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	
Ì	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	
İ	PEER	Permit Engineering Evaluation Report	
	PGL	Pasadena Gold Line	
	PIP	Project Implementation Plan	
ł	PM	Project Manager	
	PMA	Project Management Assistance	
	PMIP	Project Management Implementation Plan	
ĺ	PMOC	Project Management Oversight Consultant	
	PMP	Project Management Plan (manual)	
Į	P&P	Policies & Procedures	
	PR	Project Report	
	PSR	Project Study Report	
l	QA	Quality Assurance	
	QAR	Quality Assurance Report	
ĺ	QC	Quality Control	
	QPSR	Quarterly Project Status Report	
	RAC	Review Advisory Committee	
ĺ	RAG	Rail Activation Group	
	RFC	Request For Change	
	RFP	Request For Proposal	
	ROD	Record Of Decision	
	ROD	Revenue Operations Date	
ł	ROM	Rough Order of Magnitude	
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# APPENDIX

# LIST OF ACRONYMS (Continued)

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