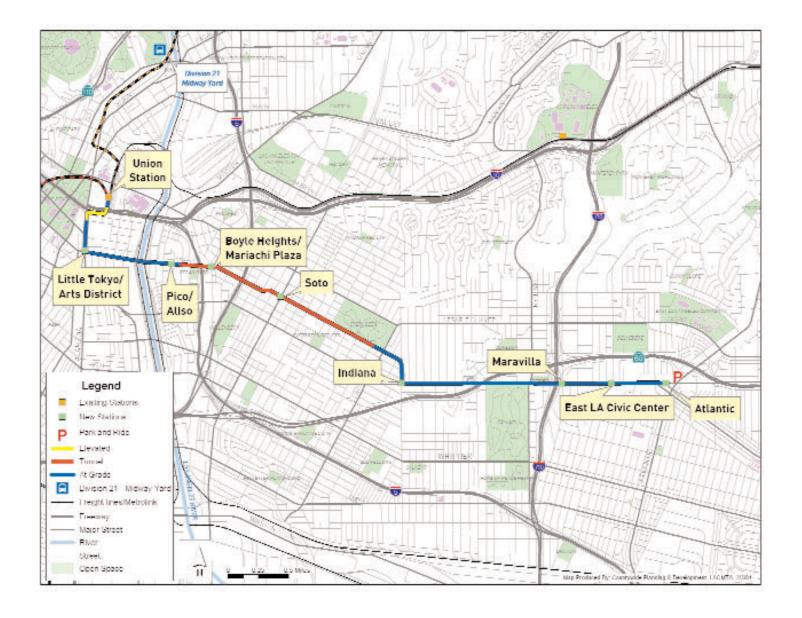
### QUARTERLY PROJECT STATUS REPORT

# Metro Gold Line Eastside Extension

# June 2005





# METRO GOLD LINE EASTSIDE EXTENSION

QUARTERLY PROJECT STATUS REPORT

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

**JUNE 2005** 

Page No.

# TABLE OF CONTENTS

Project Overview	1					
Management Issues	2					
Project Status						
Project Scope	3					
Schedule						
<ul> <li>Key Milestones Six-Month Lookahead</li> </ul>	4					
<ul> <li>Project Master Schedule Critical Path</li> </ul>	5-10					
o Critical Path Narrative	11-12					
Project Cost Status	13-14					
Financial/Grant Status	15-16					
Staffing	17-18					
Real Estate						
Environmental	20					
Community Relations	20					
Quality Assurance	20					
Safety	21					
Art Development	21					
Third Party	22-23					
CPUC Crossing	24					
	24					
Contract C0802 Status	25					
Contract C0803 Status	26					
Contract P2550 Status	27					
Construction Photographs	28-29					
Appendices	30-33					

### **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.

The forecast Revenue Operations Date has been adjusted from July 10, 2009 to July 15, 2009, to reflect the schedule impacts caused by rain delays that occurred in October 2004 and January 2005. The Revenue Operations Date, as stated within the Full Funding Grant Agreement, remains at December 31, 2009.

As of the end of this reporting period, the Atlantic Station schematic design and the initial civil design for Segment-5 were submitted for Metro's review. The Soto Station, Pico/Aliso Station and Little Tokyo/Arts District Station 85% Final Design packages are in progress. Also in progress are the East LA Civic Center Station Schematic Designs, Segments-2B, 3B, 3C and 4 Initial Civil Designs and Segments-6 and 7 85% Civil Designs. The 65% Final Designs for traction power, overhead contact, train control and communications systems are also in progress.

All grade crossing applications have been submitted to the California Public Utilities Commission (CPUC) for review. Of the 41 grade crossings, 36 have been approved. The remaining five applications are grade separated crossings.

Boyle Heights/Mariachi Plaza Station excavation, tieback system installation and struts/walers installation are continuing. This month the contractor reported a schedule delay in the Boyle Station excavation activities. The contractor is currently preparing a plan for the remaining Boyle Station excavation work and the construction of grounding mat, invert and sub-invert to mitigate the schedule delay prior to the delivery of the EPBMs.

Soldier pile installation at Soto Station completed in mid-June 2005. The piling equipment was then mobilized to the East Portal to begin installing the remaining soldier piles. Both street widening and soldier pile installation began this month.

Utility relocations at Soto Station, East and West Portals, and along Third Street are continuing.

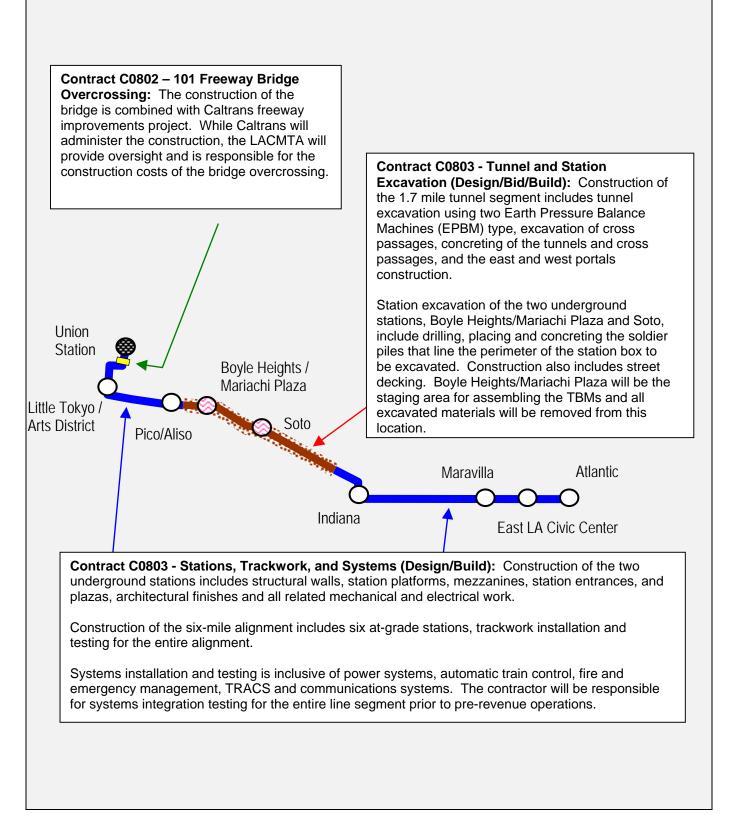
Major equipment for tunneling work continues to be delivered and installed at the 1<sup>st</sup>/Boyle staging area. The two Earth Pressure Balance Machines (EPBMs) will be shipped from Germany this summer for final assembly and installation in Fall 2005 at the 1<sup>st</sup>/Boyle tunnel access shaft.

The Caltrans contractor for Contract C0802 – 101 Freeway Bridge Overcrossing continued with roadway construction on Commercial Street and the US-101 Freeway on and off ramps.

### MANAGEMENT ISSUES

No Management Issues for the period ending June 2005.





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

	Milestone Date	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05
Completed West Portal Street Widening Under 101 Freeway (South Side)	6/30/05	0					
Commenced Boyle Station Tie-Back Installation	6/10/05 *	0					
Completed Soto Station Soldier Pile Installation	6/12/05	0					
Commenced Demolition of Existing Sidewalk & Retaining Wall at East Portal	6/14/05	0					
Commenced East Portal Phase II Soldier Pile Installation	6/22/05	0					
Submitted Schematic Design - Atlantic Station	6/30/05 *	0					
Commence West Portal Soldier Pile Installation	7/28/05 *		0				
Submit 85% Design - Little Tokyo Station & Pico/Aliso Station	7/29/05 *		0				
Submit Traction Power/Train Control 65% Design	7/29/05		0				
Complete Boyle Station Box Excavation	8/4/05 *			0			
Submit OCS/Communication 65% Design	8/5/05			0			
Submit Segments-6 & 7 85% Civil Design	8/5/05 *			0			
Commence Boyle Station Sub-Invert Concrete (Partial)	8/8/05 *			0			
Complete Boyle Station Grounding Mat	8/9/05 *			0			
Submit Boyle Station 100% Design	8/19/05 *			0			
Submit Soto Station 85% Design	9/12/05 *				0		
Delivery of Tunnel Boring Machines	10/1/05 *					0	
Submit Schematic Design -East LA Civic Center Station	10/10/05 *					0	
Unload & Begin Assembly of EPBM No. 1 (Westbound Tunnel)	10/13/05 *					0	
Unload & Begin Assembly of EPBM No. 2 (Eastbound Tunnel)	10/20/05					0	
Commence Testing of EPBM No. 1 at Boyle Station	11/3/05						0
<ul> <li>♦ LACMTA Staff Milestone</li> <li>○ Eastsid</li> <li>△ Other Agencies</li> <li>★ New Date</li> </ul>	le LRT Constructo ate	rs		FTA		pproval	Approval

> **CRITICAL PATH (1 of 6)** Approved 2009 Finishes Wall, Columns Celling (EP) EP Grade beams/Lower Columns 1 to 3 Electrical Work @ East Portal Checked EP Mezzanine Slab & Beam 1 to 3+ EP Fill concrete 1 to 3a EP Upper Ext. Walls 1 to 3 EP Upper Columns 1 to 3 2008 EP Place Invert Slab Section 1 to 3 EP Walkways 1 to 3a EP Roof Slab 1 to 3a EP Upper End Wall @ 1 EP Lower Int. Walls 1 to 3 EP Lower Ext. Walls 1 to 3 Remove Lowest Level Struts @Boyle Sta & WP Structure Exca/Support Lowest Level @Boyle Sta structure Exca/Support 2nd Level @Boyle Station Install Thrust Frame & Bracing - WB TBM EP Lower End Wall 2007 nstall Balance of Shaft Trackwork Boyle Sta Aggregate for Grounding Mat Revision right Shaft Guides & Backstop June 2005 Schedule Update Design/Fabricate/Deliver TBMs Unload & Assemble WB TBM **Boyle Station Grounding Mat** Install Carpasser 2006 Test WB TBM Date 01JUL05 2005 Metro Gold Line Eastside Extension LT-26 Critical Path Schedule Current Forecast 2004 23NOV05 04AUG05 05AUG05 09AUG05 120CT05 20NOV06 15DEC06 12JAN07 31JAN07 09FEB07 21MAR07 13APR07 08MAY07 22MAY07 21JUN07 16JUL07 07AUG07 06SEP07 93 01AUG04A 01OCT05 02NOV05 23NOV05 03NOV05 02DEC05 16NOV05 06DEC05 23JUL07 13JUL05 Early 06JUN05A 13OCT05 10 22JUL05 03NOV05 10NOV05 14NOV05 22JUL05 28SEP05 240CT06 21NOV06 15 19DEC06 22MAR07 15 16APR07 70YAM90 23MAY07 08AUG07 22JUN07 10NOV05 14JUL05 15JAN07 15JAN07 12FEB07 22JUN07 17JUL07 Early 15 2 12 10 15 15 20 15 15 15 20 5 10 20 12 12 20 20 5 10 Rem Dur Critical Activity Progress Bar Early Bar Structure Exca/Support 2nd Level @Boyle Station Structure Exca/Support Lowest Level @Boyle Sta Remove Lowest Level Struts @Boyle Sta & WP C0803 Metro Gold Line Eastside Extension Install Thrust Frame & Bracing - WB TBM EP Grade beams/Lower Columns 1 to 3 A2ES WB110 Boyle Sta Aggregate for Grounding Mat EP Mezzanine Slab & Beam 1 to 3+ Finishes Wall, Columns Ceiling (EP) EP Place Invert Slab Section 1 to 3 Install Balance of Shaft Trackwork Install Shaft Guides & Backstop Design/Fabricate/Deliver TBMs Activity **Tunnel Boring Machines Design/Procurement** A2ELC EP10 Electrical Work @ East Portal Unload & Assemble WB TBM Boyle Station Grounding Mat 42SC EP090 EP Upper Ext. Walls 1 to 3 West Bound Tunnel Excavation and Lining EP Lower Ext. Walls 1 to 3 EP Lower Int. Walls 1 to 3 EP Upper Columns 1 to 3 EP Upper End Wall @ 1 West Portal & Boyle Heights Station A2SC EP155 EP Fill concrete 1 to 3a EP Walkways 1 to 3a EP Roof Slab 1 to 3a Portal & Underground Station EP Lower End Wall 12JUL05 14:27 15JUL09 01JUL05 Install Carpasser Fabrication and Procurement Test WB TBM Run Dete © Primavera Systems, Inc **Excavation and Support** Nest Bound Tunnel Concrete / Structure Electrical/Lighting Archt./Finishes AZES WB085 A2ES WB109 A2ES WB111 A2ARC EP05 AZES WB090 A2SC EP065 A2SC EP040 A2SC EP070 A2SC EP080 A2SC EP085 A2SC EP100 A2SC EP140 A2SC EP005 A2SC EP035 A2SC EP095 East Portal TKTBU010 Activity TKTBU080 TKTBU130 TKTBU120 TKTBU150 TKTBU170 TKTBU160 ₽ Tunnels inish Date Data Date

**PROJECT MASTER SCHEDULE** 

Approve Final Invert Cleaning for Concrete (WB,SS-EP 2009 Place/Finish Walkway Concrete (WB,SS-EP) Final Tunnel Cleaning for Turnover (WB) Strip/Move/Set Walkway Form (WB,SS-EP) Assemble/Install Walkway Form (WB,SS-EP) Place/Finish Invert Concrete (WB,SS-EP) Mine 628' WB - CP#4 ST239+26.18-SP#2 ST245+54.67 Aine 122' WB - SP#2 ST245+54.67-CP#5 ST246+76.18 Mine 750' WB -CP#3 ST231+76.18 -CP#4 ST239+26.18 Mine 724' WB - CP#5 ST246+76.18 - ML ST254+00 Move Concrete Operation to East Portal Mine 600' WB - ML ST254+00 - Fresno ST260+00 Mine 433' WB - Fresno ST260+00 - ST264+33.2 Checked SOTO STATION TURNOVER BY TFK Place/Finish Walkway Concrete (WB) Mine 250' WB- 1st/Soto ST223+07.75- ST225+57.75 Mine 746' CP#1 ST200+24.22-CP#2 ST207+70.40 (WB Mine 618' WB - ST225+57.75 -CP#3 ST231+76.18 Strip/Move/Set Walkway Form (WB) Setup Concrete Facilities @ Soto Station Assemble/Install Walkway Form (WB) nstall Conc. Lines & Hoppers in Shaft Place/Finish Invert Concrete (WB) 2008 line 607' - ST194+17.55 - CP#1 ST200+24.22 (WB) .ift Rail & Clean Invert (Heavy) (WB) Mine 50' - Bury TBM ST191+17.55-ST191+67.55(WB) Mine 849' - CP#2 207+70.40 - ST216+19.11(WB) Assemble/Install Invert Form (WB) Remove WB TBM/BU at East Portal Cutterhead/Inspect/Repair at 1st/Soto (WB) Mine 347' - ST216+19.11 - ST219+66.25(WB) Walk 342' - TBM thru 1st/Soto Station (WB) MINING WB TUNNEL COMPLETE Aine 150" - ST192+67.55 - ST194+17.55 (WB) line 100' - ST191+67.55 - ST192+67.55 (WB) MOBILIZE SOTO SITE 2007 Revision June 2005 Schedule Update BREAK IN AT SOTO 2006 01JUL05 2005 Metro Gold Line Eastside Extension LT-26 Critical Path Schedule Current Forecast 2004 02FEB06 22MAR06 31MAR06 07APR06 10AUG06 24AUG06 01NOV06 22DEC05 03JAN06 16JAN06 24FEB06 14APR06 28APR06 17MAY06 08JUN06 27JUN06 30JUN06 24JUL06 24AUG06 18SEP06 02OCT06 09OCT06 250CT06 18DEC06 25JAN07 25JAN07 23MAR07 05APR07 22NOV06 TUNAL11 22FEB07 19APR07 23APR07 22JUN07 **70NAU00** Early 20NOV06 23DEC05 23MAR06 10APR06 17APR06 18MAY06 11AUG06 25AUG06 12SEP06 260CT06 02NOV06 24NOV06 24NOV06 27FEB07 07DEC05 17JAN06 03FEB06 27FEB06 03APR06 17APR06 01MAY06 00NUL00 03JUL06 25JUL06 03OCT06 100CT06 26JAN07 04JUN07 19FEB07 04JAN06 28JUN06 12SEP06 12JAN07 31JAN07 23FEB07 Early Start 5 13 16 15 22 40 33 9 6 18 ~ 5 0 3 13 5 ŝ 5 3 31 40 16 10 13 10 0 ŝ 2 32 0 4 40 13 0 10 Rem 12 0 Dur Critical Activity Progress Bar Early Bar Mine 607' - ST194+17.55 - CP#1 ST200+24.22 (WB) Mine 250' WB- 1st/Soto ST223+07.75- ST225+57.75 Mine 724' WB - CP#5 ST246+76.18 - ML ST254+00 Mine 618' WB - ST225+57.75 -CP#3 ST231+76.18 Mine 746' CP#1 ST200+24.22-CP#2 ST207+70.40 Mine 600° WB - ML ST254+00 - Fresno ST260+00 Mine 849' - CP#2 207+70.40 - ST216+19.11(WB) Mine 433' WB - Fresno ST260+00 - ST264+33.2 Mine 100' - ST191+67.55 - ST192+67.55 (WB) Final Invert Cleaning for Concrete (WB,SS-EP) Mine 150" - ST192+67.55 - ST194+17.55 (WB) Mine 347' - ST216+19.11 - ST219+66.25(WB) Assemble/Install Walkway Form (WB,SS-EP) Place/Finish Walkway Concrete (WB,SS-EP) Walk 342" - TBM thru 1st/Soto Station (WB) Cutterhead/Inspect/Repair at 1st/Soto (WB) Strip/Move/Set Walkway Form (WB,SS-EP) Mine 750' WB -CP#3 ST231+76.18 -CP#4 Mine 628' WB - CP#4 ST239+26.18-SP#2 Mine 122' WB - SP#2 ST245+54.67-CP#5 Place/Finish Invert Concrete (WB,SS-EP) Setup Concrete Facilities @ Soto Station Final Tunnel Cleaning for Turnover (WB) Move Concrete Operation to East Portal SOTO STATION TURNOVER BY TFK Install Conc. Lines & Hoppers in Shaft Assemble/Install Walkway Form (WB) Place/Finish Walkway Concrete (WB) Lift Rail & Clean Invert (Heavy) (WB) Strip/Move/Set Walkway Form (WB) Remove WB TBM/BU at East Portal MINING WB TUNNEL COMPLETE Assemble/Install Invert Form (WB) Place/Finish Invert Concrete (WB) Activity MOBILIZE SOTO SITE BREAK IN AT SOTO Mine 50' - Bury TBM Run Date 12JUL05 14:27 © Primavera Systems, Inc. 15JUL09 0170105 West Bound Tunnel Walkway West Bound Tunnel Invert TK CSW010 TK CSW040 TK CSW100 TK CSW110 TK CSW020 TK CSW030 TK CSW050 TK CSW070 TKCEW110 TK CSW090 TKCEW030 TKCEW040 TKCEW050 TKCEW090 TKCEW100 TKTWB010 TKTWB040 TKTWB060 TKTWB070 TKTWB100 TKTWB110 TKTWB120 TKTWB130 TKTWB140 TKTWB150 TKTWB170 TKTWB180 TKCEW060 TKCEW080 Activity TKTWB015 TKTWB020 TKTWB030 TKTWB050 TKTWB080 TKTWB085 TKTWB090 TKTWB160 Start Date Finish Date Data Date

# PROJECT MASTER SCHEDULE CRITICAL PATH (2 of 6)

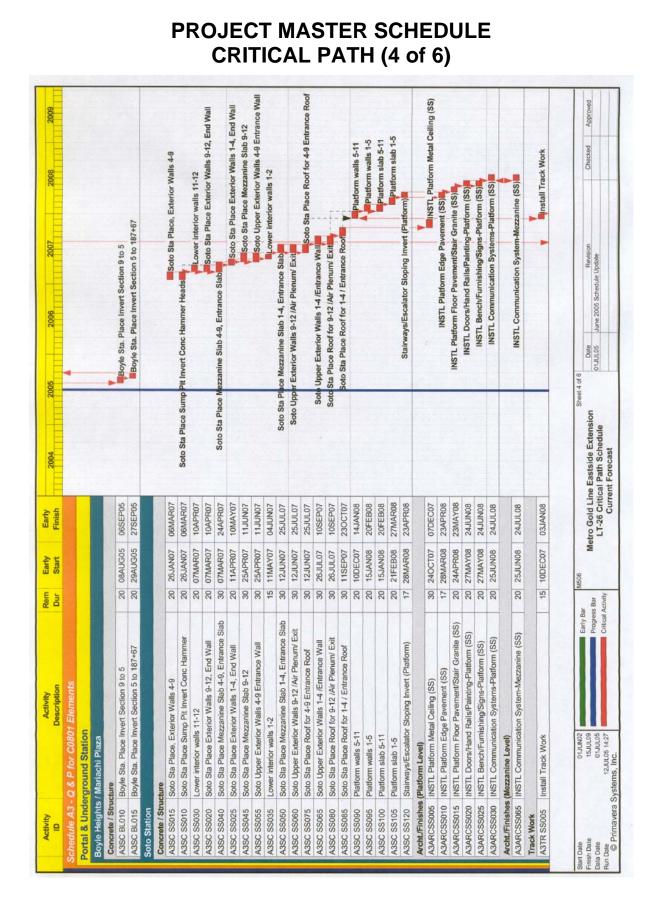
6

June 2005

**CRITICAL PATH (3 of 6)** Install Wet Standpipe @ 200'/Day(EB, Soto-EP) Electrical Work Soto Station to East Portal 2009 Electrical Work Boyle to Soto Station Mine 628' EB- CP#4 ST239+25.00 -SP#2 ST245+53.49 Mine 750' EB- CP#3 ST231+75.00 -CP#4 ST239+25.00 Mine 122' EB - SP#2 245+53.49 - CP#5 ST246+75.00 Mine 433' EB - at Fresno ST260+00 - ST264+33.2 Mine 600' EB - ML ST254+00 - Fresno ST260+00 Mine 725' EB - CP#5 ST246+75.00 - ML ST254+00 Test Wet Standpipe (EB, Soto-EP) Mine 250° EB - 1st/Soto ST223+07.75 -ST225+57.75 Checked Mine 617' EB - ST225+57.75 - CP #3 ST231+75.00 Mine 750' EB -CP#1 ST200+00.00-CP#2 ST207+50.00 Place/Finish Walkway Concrete (EB) Mine 870° EB - CP#2 ST207+50.00 - ST216+20.22 Assemble/Install Walkway Form (EB) Mine 50° EB - Bury TBM ST191+17.73 -ST191+67.73 Mine 582' EB - ST194+17.73 - CP#1 ST200+00.00 2008 Place/Finish Invert Concrete (EB) lift Rail & Clean Invert (Heavy) (EB) Remove EB TBM/BU at East Portal Strip/Move/Set Invert Form (EB) Mine 346' EB - ST216+20.22 - ST219+66.25 Assemble/Install Invert Form (EB) EB Cutterhead/Inspect/Repair at 1st/Soto MINING EB TUNNEL COMPLETE Walk 342' EB - TBM thru 1st/Soto Station Remove Thrust Frame & Bracing - EB TBM Mine 250' EB - ST191+67.73 - ST194+17.73 BREAK IN AT SOTO EB 2007 Revision June 2005 Schedule Update ry Handrail @ 300'/Day (EB, Soto-EP Unload & Assemble EB TBM Test EB TBM Date 01JUL05 2005 Install Walkw Metro Gold Line Eastside Extension LT-26 Critical Path Schedule Current Forecast 2004 10MAR06 15MAY06 01MAR06 03APR06 27APR06 08MAY06 09AUG06 250CT06 09NOV05 22FEB06 22MAY06 05JUN06 17JUL06 04AUG06 30AUG06 19SEP06 02OCT06 02OCT06 230CT06 01NOV06 18DEC06 18DEC06 22NOV06 22MAY07 29MAY07 23JUL07 15AUG07 04JAN06 01FEB06 22JUN06 08JAN07 11JAN07 20NUL10 Early Finish 24APR07 100CT06 30MAY07 25JUN07 02NOV06 20NOV06 24NOV06 200CT05 05JAN06 23FEB06 13MAR06 04APR06 09MAY06 16MAY06 23MAY06 00NUL80 23JUN06 07AUG06 10AUG06 20SEP06 03OCT06 260CT06 02NOV06 24NOV06 10MAY07 24JUL07 10NOV05 02FEB06 23FEB06 28APR06 23MAY06 18JUL06 31AUG06 Early 10 20 20 12 16 -5 5 0 3 3 5 6 5 2 5 30 3 33 3 17 33 12 15 10 4 3 0 33 33 21 Rem Critical Activity Progress Bar Early Bar Mine 250' EB - 1st/Soto ST223+07.75 -ST225+57.75 Mine 582' EB - ST194+17.73 - CP#1 ST200+00.00 Mine 870' EB - CP#2 ST207+50.00 - ST216+20.22 Mine 617' EB - ST225+57.75 - CP #3 ST231+75.00 Mine 725' EB - CP#5 ST246+75.00 - ML ST254+00 Install Walkway Handrail @ 300'/Day (EB, Soto-EP Mine 433' EB - at Fresno ST260+00 - ST264+33.2 Mine 600' EB - ML ST254+00 - Fresno ST260+00 Install Wet Standpipe @ 200'/Day(EB, Soto-EP) Mine 346' EB - ST216+20.22 - ST219+66.25 Mine 250' EB - ST191+67.73 - ST194+17.73 Remove Thrust Frame & Bracing - EB TBM Walk 342' EB - TBM thru 1st/Soto Station Electrical Work Soto Station to East Portal Mine 750' EB -CP#1 ST200+00.00-CP#2 EB Cutterhead/Inspect/Repair at 1st/Soto Mine 750' EB- CP#3 ST231+75.00 -CP#4 Mine 628' EB- CP#4 ST239+25.00 -SP#2 Mine 122' EB - SP#2 245+53.49 - CP#5 Mine 50' EB - Bury TBM ST191+17.73 Assemble/Install Walkway Form (EB) Electrical Work Boyle to Soto Station Place/Finish Walkway Concrete (EB) Lift Rail & Clean Invert (Heavy) (EB) Remove EB TBM/BU at East Portal Strip/Move/Set Walkway Form (EB) MINING EB TUNNEL COMPLETE TK13WEE030 Test Wet Standpipe (EB, Soto-EP) Assemble/Install Invert Form (EB) Place/Finish Invert Concrete (EB) Description Strip/Move/Set Invert Form (EB) Activity Unload & Assemble EB TBM East Bound Tunnel Excavation and Lining BREAK IN AT SOTO EB Mechanical/Plumbing/Equip/Metals 01JUL05 12JUL05 14:27 15JUL09 Test EB TBM East Bound Tunnel Walkway Run Date © Primavera Systems, Inc. East Bound Tunnel Invert Archt./Mech./Elec. Work East Bound Tunnel Electrical/Lighting TK12WEE010 TK14WEE020 A2ELC TL05 A2ELC TL10 TK CSE010 TK CSE050 TK CSE070 TK CSE080 TK CSE020 TK CSE040 TK CSE060 Activity TKTBU090 TKTBU125 **IKTEB010** TKTEB020 TKTBU190 **IKTEB030 IKTEB040** TKTEB050 TKTEB070 TKTEB080 TKTEB085 TKTEB090 TKTEB100 TKTEB110 TKTEB120 TKTEB130 TKTEB140 TKTEB150 TKTEB160 TKTEB170 TKTEB180 TKTEB060 0 Start Date Finish Date Data Date

# **PROJECT MASTER SCHEDULE**

June 2005



Interdition (TNNL, Xpassage)         Zill         ToNUL         Zuluation         Electional         Delectional         Other Interhumentation (TNNL, Xpassage)           INSTL OCS Wing(KEI)         Zill         VIX-NOI         Zill         Zill         Sill         Sillllllllll         Sill         Sillll </th <th>Institution (TNNL, Xpassage)         Z16         10/LUGX         Elec/Mod Other Instrumentation (TNNL, Xpassage           INSTL OCS Wing(EB)         Z3         00/LUGX         Z3/LU08         Z3/LU08         S6 3 5400 54a-East PINSTL OCS Wing(ED)           INSTL OCS Wing(EB)         Z3         Elec/Mod Other Instrumentation (TNNL, Xpassage         S6 3 5400 54a-East PINSTL OCS Wing(ED)         Z3         S0 2 3 5400 54a-East PINSTL OCS WING(ED)         Z3         Z3         Z4         Z4</th> <th>Characteristic     Electinical     Electinical     Control     Electinical       Classes     53     Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     25.04000       Classes     Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     23.04000       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     23.04000       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     23.04000       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     23.04000       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     25.0400000</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Institution (TNNL, Xpassage)         Z16         10/LUGX         Elec/Mod Other Instrumentation (TNNL, Xpassage           INSTL OCS Wing(EB)         Z3         00/LUGX         Z3/LU08         Z3/LU08         S6 3 5400 54a-East PINSTL OCS Wing(ED)           INSTL OCS Wing(EB)         Z3         Elec/Mod Other Instrumentation (TNNL, Xpassage         S6 3 5400 54a-East PINSTL OCS Wing(ED)         Z3         S0 2 3 5400 54a-East PINSTL OCS WING(ED)         Z3         Z3         Z4	Characteristic     Electinical     Electinical     Control     Electinical       Classes     53     Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     25.04000       Classes     Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     25     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     23.0400       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     23.04000       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     23.04000       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     23.04000       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     23.04000       Secon Sel-East P INSTL OCS Wing/REI     26     7.04000     20.04000     25.0400000										
Immentation (TNNL, Xpassage)         Z10,007         Z3,01,06         ElecriMed [Other Instrumentation (TNNL, Xpassage)           INSTL OCS Wring(KB)         Z3         Z0         Z0         S60.54x-East P         NSTL OCS Wring(INS)           INSTL OCS Wring(KB)         Z3         Z0         Z0         S60.54x-East P         NSTL OCS Wring(INS)           INSTL OCS Wring(EB)         Z3         Z1 <feb.06< td="">         0.XAPR08         HXAY08         S60.54x-East P         NSTL OCS Wring(INS)           INSTL OCS Wring(EB)         Z3         Z1<feb.06< td="">         0.XAPR08         HXAY08         S63.560.54x-East P         NSTL OCS Wring(INS)           INSTL OCS Wring(EB)         Z3         Z3         Z3         S60.54x-East P         NSTL OCS Wring(INS)           INSTL OCS Wring(EB)         Z3         Z3         Z3         S60.54x-East P         NSTL OCS           INSTL OCS Wring(EB)         Z3         Z3         Z3         S60.54x-East P         NSTL OCS           INSTL OCS Wring(EB)         Z3         Z3         Z3         S60.54x-East P         NSTL OCS           INSTL OCS Wring(EB)         Z3         Z3         S60.54x-East P         NSTL Parallel Feeler (plond)           INSTL OCS Wring(EB)         Z3         Z4         Z3         S60.54x-East P         S60.54x-East</feb.06<></feb.06<>	mantalion (TNNL, Xpassage)         Za1L (Mathic)         Za1L (Mathic)         Za1L (Mathic)         ElecriMecrif         Description (TNNL, Xpassage)           NISTL OCS Wring(NE)         ZS         ZS         ZS         SG 3 Solo Sta-East P INSTL OCS Wring(NE)         SG 3 West P-Solo Sta INSTL OCS Wring(NE)         SG 3 West P-	Contract System     Contract System     Contract System     Contract System       2.     Secondact System     CS     Secondact System     Secondact System       3.     Secondact System     Secondact System     Secondact System     Secondact System       3.     Secondact System     Secondact System     Secondact System     Secondact System       3.     Secondact System     Secondact System     Secondact System     Secondact System       3.     Secondact System     Secondact System     Secondact System     Secondact System       3.     Secondact System     Secondact System     Secondact System     Secondact Sec	Iunneis									
mantation (TNNL, Xpassage)         210         23JU.06         Elec/Med         Other Instrumentation (TNNL, Xpassage           NSTL OCS Wring(NB)         25         07.AN08         26         07.AN08         26         07.AN08         26         56.06 Stat-East P INSTL OCS Wring(NB)         26         75.00.05 Wring(BD)         26         77.AN08         26         35.00 Stat-East P INSTL OCS Wring(NB)         28         35.00 Stat-East P INSTL OCS Wring(BD)         28         35.00 Stat-East P INSTL OCS Wring(DD)         36.00 Stat-East P INSTL OCS WRITL OCS WRITL Parallel Feeder (alond)         36.00 Stat-East P INSTL OCS WRITL OCS WRITL OCS WRITL OCS WRITL OCS WRITL OCS WRITL Parallel Feeder (alond)         36.00 Stat-East P INSTL OCS WRITL OC	metration (TNNL, Xpassagg)         216         10AUGOT         23UL05         Elec/Model         Other Instrumentation (TNNL, Xpassage           INSTL OCS Winnig(EB)         25         07.4MOG         27.4MOG         27.4UL05         S63 3600 Sta-East P INSTL OCS WINnig(EB)         S63 3600 Sta-East P INSTL OCS WINTL OCS WINNig(EB)         S63 3600 Sta-East P INSTL OCS WINTL OCS WINNig(EB)         S63 3600 Sta-East P INSTL OCS WINTL OCS WINTL OCS WINNig(EB)         S63 3600 Sta-East P INSTL OCS WINTL	Under Contract System (CGS)     Excelled     Internation (TNAL, Xpassage)     2(1)       Contract System (CGS)     Contract System (CGS)     Excelled     Excelled       Contract System (CGS)     Excelled     Internation (TNAL, Xpassage)     Excelled       Contract System (CGS)     Excelled     Internation (TNAL, Xpassage)     Excelled       Excelled     Excelled     Excelled     Excelled     Excelled       Ex	Archt/Mech./Elec. Work			Company of Company						
montation (TMNL, Xpassage)         216         10AUG7         23UU05         ElectMed         Other Instrumentation (TMNL, Xpassage           NSTL OCS Wring(WB)         23         07JAN08         20FEB08         07JAN08         205         30 Solo Sta-East P INSTL OCS Wring(TC)         26         30 Solo Sta-East P INSTL OCS Wring(TC)         27         28         30 Solo Sta-East P INSTL OCS Wring(TC)         27         28         23         28         29         29         29         20	Institution (TNNL, Xpassage)         216         1.0AU/COX         3.3UL08         3.3Alob Site-East P INSTL OCX Wing(MB)         2.6         7.4AN08         3.3Alob Site-East P INSTL OCX Wing(MB)         2.6         3.3Alob Site-East P INSTL OCX WINSTL OCX Wing(MB)         2.6         3.3Alob Site-East P INSTL OCX WINSTL OCX WINSTL OCX Wing(MB)         2.6         3.3Alob Site-East P INSTL OCX WINSTL OCX	12         [Bookholdner Instrumentation (TML, Xpassago)         216         [Aucholdner Instrumentation (TML, Xpassago)         216         [Aucholdner Instrumentation (TML, Xpassago)         210 <td>Electrical/Lighting</td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td>	Electrical/Lighting					•				
NRTL OCS Wring(WE)         ZS         OTANUB         ZFEB06         OTANUB         SG 3 Soto Sta-East P INSTL OCS Wing(TC)           NSTL OCS Wring(EB)         ZS         21 FEB08         07 AP008         NATUOS         SG 3 Soto Sta-East P INSTL OCS Wing(TC)           NSTL OCS Wring(EB)         ZS         14 M Y08         ZS         SG 3 West P Soto Sta INSTL OCS Wing(ED)           NSTL OCS Wring(EB)         ZS         14 M Y08         ZS         SG 3 West P Soto Sta INSTL OCS Wing(ED)           NSTL OCS Wring(ED)         ZS         14 0         SG 1 MART OCS WING(ED)         SG 3 West P Soto Sta INSTL OCS WING(ED)           INSTL OCS Wring(ED)         ZS         55 1 5 M Y08         ZU JU08         ZG JU06           dong Tunnel)         14 0         605C07         ZS JU08         MSTL Parallel Feeder (along 1           dong Tunnel)         14 0         605C07         ZS JU08         MSTL Parallel Feeder (along 1           dong Tunnel)         14 0         605C07         ZS JU08         MSTL Parallel Feeder (along 1           dong Tunnel)         14 0         605C07         ZS JU08         ZS JU08         MSTL Parallel Feeder (along 1           dong Tunnel)         14 0         605C07         ZS JU08         ZS JU08         MSTL Parallel Feeder (along 1           dong Tunnel)	NSTL OCS Wring(VB)         26         07.4M.08         20FEB00         207APR08         S63 Soto Sta-East P INSTL OCS Wring(FD)         23         Sea Sate Star P INSTL OCS Wring(FD)         24	0     Contract System (OCS)     Sea Statistar P INST. OCS Wringfilts       00     Sea Statistar P INST. OCS Wringfilts     Sea Statistar P INST. OCS Wringfilts       00     S 3 Statist Pesos Statistar P INST. OCS Wringfilts     S 3 Statist Pesos Statistar P INST. OCS Wringfilts       00     S 3 Statist Pesos Statistar P INST. OCS Wringfilts     S 3 Statist Pesos Statistar P INST. OCS Wringfilts       00     S 3 Verse Pesos Statistar P INST. OCS Wringfilts     S 3 Statist Pesos Statistar P INST. OCS Wringfilts       00     S 3 Verse Pesos Statistar P INST. OCS Wringfilts     S 3 Statist Pesos Statistar P INST. OCS Wringfilts       00     S 3 Verse Pesos Statistar P INST. OCS Wringfilts     S 3 Statist Pesos Statistar P INST. OCS Wringfilts       00     S 3 Verse Pesos Statistar P INST. OCS Wringfilts     S 3 Statist Pesos Statistar P INST. OCS Wringfilts       00     S 3 Verse Pesos Statistar P INST. OCS Wringfilts     S 3 Statist Pesos Statistar P INST. OCS Wringfilts       00     S 3 Verse Pesos Statistar P INST. OCS Wringfilts     S 3 Statist Pesos Statistar P INST. OCS Wringfilts       00     J Verse Pesos Statistar P INST. OCS Wringfilts     S 3 Statist Pesos Statistar P INST. OCS Wringfilts       00     J Verse Pesos Statistar P INST. OCS Wringfilts     NST. Paralet Freder (Jobe T Inst.       00     J Verse Pesos Statistar P INST. OCS Wringfilts     S 3 Statist Pesos Statistar P INST. OCS Wringfilts       00     J Verse Pesos Statistar P INST. OCS Wringfilts <td< td=""><td>A2ELC TL25 Elec/Mech/Other Instrumentation (TNNL, Xpassage)</td><td></td><td>-</td><td>Elec/Mech</td><td>Other Instrumentation</td><td>(TNNL, Xpassage)</td><td></td><td></td></td<>	A2ELC TL25 Elec/Mech/Other Instrumentation (TNNL, Xpassage)		-	Elec/Mech	Other Instrumentation	(TNNL, Xpassage)				
1         25         07.JAN08         20FEB08         07.JAN08         20FEB08         07.JAN08         206 Sta-East P INSTL OCS Will Sta	Image         Sold         Sold <t< td=""><td>1     1</td></t<> <td>Overhead Contact System (OCS)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1     1	Overhead Contact System (OCS)									
1         25         77JMU08         20FEB08         07JMTC OCS W           1         25         62 FFB08         07APF08         863 3600 Sta-East P INSTL OCS W           1         25         62 FFB08         17MAV08         20UN08         863 3063 Sta-East P INSTL OCS W           2         25         58 FFB08         14MV08         20UN08         180TL OCS           1         140         66 FC07         25JUL08         25JUL08         3063 T Pseto Sta INSTL OCS           1         140         66 FC07         25JUL08         25JUL08         180TL Parallel Feeder (along Traction Pwr-Function 1           1         140         66 FC07         25JUL08         25JUL08         005 T Fansion Sec 3 - Functional 0           1         15         15 JUL08         68 JUL08         68 JUL08         005 T Fansion Sec 3 - Functional 0           1         15         15 JUL08         68 JUL08         005 T Fansion Sec 3 - Functional 0           1         15         15 JUL08         16 JUL08         005 T Fansion Sec 3 - Functional 0           1         15         15 JUL08         16 JUL08         005 T Fansion Sec 3 - Functional 0           1         15         15 JUL08         16 S JUL08         005 T Fansion Sec 4 - Functional 0	asr P INSTL OCS Wring(RF)         Zs         G7JAR06         ZMERD6         G7JAR06         SG 3 Solo Sta-East P INSTL OCS Wring(FD)         Zs         SG 3 Solo Sta-East P INSTL OCS Wring(FD)         Zs         SG 3 Solo Sta-East P INSTL OCS Wring(FD)         Zs         SG 3 Solo Sta-East P INSTL OCS Wring(FD)         Zs         SG 3 Solo Sta-East P INSTL OCS Wring(FD)         Zs         SG 3 Solo Sta-East P INSTL OCS Wring(FD)         Zs         SG 3 West P-Solo Sta INSTL OCS Wring(FD)         Zs         SG 3 West P-Solo Sta INSTL OCS Wring(FD)         Zs         SG 3 West P-Solo Sta INSTL OCS Wring(FD)         Zs         SG 3 West P-Solo Sta INSTL OCS Wring(FD)         Zs         SG 3 West P-Solo Sta INSTL OCS Wring(FD)         Zs         SG 3 West P-Solo Sta INSTL OCS Wring(FD)         Zs         SG 3 West P-Solo Sta INSTL OCS Wring(FD)         Zs         SG 3 West P-Solo Sta INSTL OCS Wring(FD)         Zs         Zs <thzs< th="">         Zs         <thzs< th="">        &lt;</thzs<></thzs<>	0000         0000 <th< td=""><td>Segment 3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Segment 3									
0         25         CTJAN08         20FEB08         OTAPT008         SC3 Stoto Sta-East P INSTL. OCS WART Scito Sta INSTL. OCS Wast P-Scito P-WILLI OCS Wast P-Scito Sta INSTL. OCS Wast P-Scito Sta INSTL. OCS Wast P-Scito Sta INSTL. OCS Wast P-Scito P-WILLI OCS Wast P-Scito P-WILLI OCS Wast P-Scito Sta INSTL. OCS Wast P-Scito P-WILLI OCS Was	ast         INSTL OCS Wing(Eb)         22         07JAN06         2016E06         302 3600 State ast P NSTL OCS Wing(Eb)         26         07APR06         303 3600 State ast P NSTL OCS Wing(Eb)         26         07APR06         303 3600 State ast P NSTL OCS Wing(Eb)         26         07APR06         301 3400 State P Soto Sta INSTL OCS Wing(Eb)         26         14MXV06         301 3400 State P Soto Sta INSTL OCS Wing(Eb)         26         14MXV06         301 3400 State P Soto Sta INSTL OCS Wing(Eb)         26         14MXV06         301 3400 State P Soto Sta INSTL OCS Wing(Eb)         26         14MXV06         301 3400 State P Soto Sta INSTL OCS Wing(Eb)         301 3400 State P Soto Sta INSTL OCS Wing(Eb)         301 3400 State P Soto Sta INSTL OCS Wing(Eb)         301 3400 State P Soto Sta INSTL OCS Wing(Eb)         301 3400 State P Soto Sta INSTL OCS Wing(Eb)         301 3400 State P Soto Sta INSTL OCS Wing(Eb)         301 3400 State P Soto Sta INSTL OCS WING State P Soto Sta INSTL OCS WING State P Soto State P Soto State State P Soto Sta INSTL OCS WING State P Soto StateP	0000     503 3000 Sheetart INSTL. COS Wing/000     50     7.0.4.000     2015100000     20150000     201500	Construction									
25         21FEB08         07AFR06           25         50AFR08         14MX003         503 Soto Sta-East P INSTL OCS           25         60AFR08         14MX003         501 U003           2         15MAY08         20UU08         14MX10           2         140         60DEC07         25JUL08         INSTL OCS           3         40         28JUL08         25JUL08         INSTL Parallel Feedor (along 1           4         140         60DEC07         25JUL08         INSTL Parallel Feedor (along 1           4         140         28JUL08         24SEP08         INSTL Parallel Feedor (along 1           5         4         23JUL08         24SEP08         INSTL Parallel Feedor (along 1           5         140         60DEC07         25JUL08         INSTL Parallel Feedor (along 1           5         23JUN08         15JUL08         CS Taker polo Sa INSTL OCS 1         INSTL Parallel Feedor (along 1           5         15         23JUN08         15JUL08         CS Taker polo Sa INSTL OCS 1         INSTL Parallel Feedor (along 1           5         15         23JUN08         15JUL08         CS Taker polo Sa INSTL OCS 1         INSTL Parallel Feedor (along 1           6         15         23JUN08         15JU	ast P INSTL OCS Wring(EB)         22         21FE006         07APR08         07APR08 <td>0000         50.3 Witer P-soards in INST. COS Winnel(EI)         2         2 FEBIDIS         0 Addition         50.3 Meter P-soards in INST. COS Winnel(EI)         2         3 Control         8 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Winnel(EI)         3 Cost Winnel(EI)</td> <td>A3OCSS3055 SG 3 Soto Sta-East P INSTL OCS Wiring(WB)</td> <td></td> <td></td> <td>and the second line</td> <td>SG 3 Soto Sta-Eas</td> <td>t P INSTL OCS Wiring(WB)</td> <td></td> <td></td>	0000         50.3 Witer P-soards in INST. COS Winnel(EI)         2         2 FEBIDIS         0 Addition         50.3 Meter P-soards in INST. COS Winnel(EI)         2         3 Control         8 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Water P-soards in INST. COS Winnel(EI)         2         3 Cost Winnel(EI)	A3OCSS3055 SG 3 Soto Sta-East P INSTL OCS Wiring(WB)			and the second line	SG 3 Soto Sta-Eas	t P INSTL OCS Wiring(WB)				
I)         Z5         G84PR08         14MAV08         SG 3 West P-Soto Sta INSTL. 0C           I         Z5         15MAY08         20JU008         20JU008         INSTL Parallol Feeder (along 1           I         I40         66DEC07         Z5JU08         OCS Tension Sec 3 Functional           I         I40         68DEC07         Z5JU08         INSTL Parallol Feeder (along 1           I         I         23JU08         ISJU08         OCS Tension Sec 3 Functional           I         I         23JU08         ISJU08         OCS Tension Sec 3 Functional           I         I         23JU08         ISJU08         ISJU08         OCS Tension Sec 3 Functional           I         I         I         I         OCS Tension Sec 4 Functional         OCS Tension Sec 4 Functional           I         I         I         I         ISJU08         ISSU08         ISSU08           I         I         I         ISIU08         ISSU08         ISSU08         ISSU08           I         I         I         ISIU08         ISSU08         ISSU08         ISIU09           I         I         I         ISIU08         ISIU08         ISIU08         ISIU08           I         I	IDE Stal INSTL. OCS Wring(EB)         25         G0.4MEN03         141.4MEN         S6.3 West P-Solo Stal INSTL. OCS Wring(EB)         26.3 West P-Solo Stal INSTL. OCS Wring(ED)         26.3 West P-Solo Stal INSTL. OCS Wrinst. OC	3005     3015     301 Weit Pisoue Sai INSTL OCS Wing/Kith)     26     260 Weiter Sain     603 Weit Pisoue Sai INSTL OCS Wing/Kith     503 Weit Pisoue Sai INSTL OCS Wing/Kith       80006     835 Weit Pisoue Sai INSTL OCS Wing/Kith     263 Weit Pisoue Sai INSTL OCS Wing/Kith     503 Weit Pisoue Sai INSTL OCS Wing/Kith       80006     835 Weit Pisoue Sai INSTL OCS Wing/Kith     263 Weit Pisoue Sai INSTL OCS Wing/Kith     503 Weit Pisoue Sai INSTL OCS Wing/Kith       8000     835 Lit Parallel Feoder (along Turnel)     140 OCS Transio Sai INSTL Parallel Feoder (along Turnel)     INSTL Parallel Feoder (along Turnel)       800     INSTL Parallel Feoder (along Turnel)     140 OCS Transio Sai INSTL OCS Wing/Kith     Sai INSTL Parallel Feoder (along Turnel)       800     INSTL Parallel Feoder (along Turnel)     140 OCS Transio Sai INSTL Parallel Feoder (along Turnel)     INSTL Parallel Feoder (along Turnel)       800     INSTL Parallel Feoder (along Turnel)     160 OCS Tealuo Sai INSTL Parallel Feoder (along Turnel)     INSTL Parallel Feoder (along Turnel)       800     INSTL Parallel Feoder (along Turnel)     160 OCS Tealuo Sai INSTL Parallel Feoder (along Turnel)     INSTL Parallel Feoder (along Turnel)       800     INSTL Parallel Feoder (along Turnel)     160 OCS Tealuo Sai INSTL Parallel Feoder (along Turnel)     INSTL Parallel Feoder (along Turnel)       80     INSTL Parallel Feoder (along Turnel)     160 OCS Tealuo Sai INSTL Parallel Feoder (along Turnel)     INSTL Parallel Feoder (along Turnel)    <	A3OCSS3060 SG 3 Soto Sta-East P INSTL OCS Wiring(EB)				SG 3 Soto Sta-E	ast P INSTL OCS Wiring(EB)				
0         26         15MAY08         20UN08         20UN08         20UN08         20UN08         20UN08         20UN08         20UN08         20UN09         20UN07	Io Sta INSTL OCS Wring(EI)         25         15MAX 1         2000000         20000000         20000000         20000000         20000000         20000000         20000000         20000000         20000000         20000000         20000000         20000000         2000000000         200000000         2000000000         20000000000         200000000000         200000000000000         2000000000000000000000000000000000000	30 (3 31 Wat Pickelo Su INSTL OCS Wing(EB) 2 (3MV/08 (2.010/06) 25 (2.010/06) 25 (2.010/06) 25 (2.010/06) 25 (2.010/06) 25 (2.010/06) 25 (2.010/06) 25 (2.010/06) 25 (2.010/06) 25 (2.010/06) 25 (2.010/06) 25 (2.010/06) 25 (2.010/06) 25 (2.010/06) 26 (2.010/06) 25 (2.010/06) 26 (2.010/06) 26 (2.010/06) 25 (2.010/06) 26 (2.010/0	A3OCSS3065 SG 3 West P-Soto Sta INSTL OCS Wiring(WB)			Construction of the second	SG 3 West P-S	oto Sta INSTL OCS Wiring(WB)				
Tunnel)         140         06DECO7         25JUL08         INSTL Parallel Feeder (along)           pation Test         40         23JUL08         24SEP08         Traction Pwr-Functional           of hitegration Test         40         24JUL08         24SEP08         OCS Tension Sec 3 -Functional           of hitegration Test         15         3JUL08         15JUL08         0CS Tension Sec 3 -Functional           of hitegration Test         15         02JUL08         0STAUG08         3-Functional           of hitegration Test         15         02STension Sec 4 -Functional         0CS Tension Sec 4 -Functional           of hitegration Test         15         07AUG08         27AUG08         0STAUG08           of test         15         07AUG08         27AUG08         0STAUG08           of test         15         07AUG08         27AUG08         0CS T54-Acceptance Measurence           of test         15         07AUG08         27AUG08         0CS T54-Acceptance Measurence           of test         16         07AUG08         27AUG08         0CS T54-Acceptance Measurence           of test         16         07AUG08         23DEC08         0CS T54-Acceptance Measurence           15         0         00NOV08         23DEC08         00NOV0	eder (along Tunne))         140         060EC07         25JUL08         INSTL Parallel Feeder (along Tunne))           eder (along Tunne))         140         060EC07         25JUL08         Constant Sec 3-Functional           vitoral / Integration Test         16         23JUL08         24SED8         Constant Sec 3-Functional           ec 4-Functional / Integration Test         15         15JUL08         06AU008         Constant Sec 3-Functional           ec 4-Functional / Integration Test         15         15JUL08         0AU008         Constant Sec 4-Functional           ec 4-Functional / Integration Test         15         16JUL08         0AU008         CoS Tension Sec 3-Functional           al Inspection         15         16JUL08         0AU008         ZAU008         CoS Tasion Sec 4-Functional           al Inspection         15         2JUL08         2AU008         ZAU008         CoS Tasion Sec 4-Functional           al Inspection         15         2JUL08         ZAU008         ZAU008         CoS Tasion Sec 4-Functional           al Inspection         15         2AU008         2AU008         ZAU008         CoS Tasi A-Cospitance Measurement/Visual           Test         20         2AU008         2AU008         2AU008         CoS Tasi A-Cospitance Measurement/Visual	Construction     INSTL Parallel Feeder (slong Tunes)       2004     Statutication     (statutication)       2005     Cost Teation Sec 3 Functional / Integration Test     (statutication)       2005     Cost Teation Sec 3 Functional / Integration Test     (statutication)       2005     Cost Teation Sec 3 Functional / Integration Test     (statutication)       2005     Cost Teation Sec 3 Functional / Integration Test     (statutication)       2005     Cost Teation Sec 3 Functional / Integration Test     (statutication)       2005     Cost Teation Sec 3 Functional / Integration Test     (statutication)       2005     Cost Teation Sec 3 Functional / Integration Test     (statutication)       2005     Cost Teation Sec 3 Functional / Integration Test     (statutication)       2016     Statutication     (statutication)     (statutication)       2017     Statuticat	A3OCSS3070 SG 3 West P-Soto Sta INSTL OCS Wiring(EB)				SG 3 West I	-Soto Sta INSTL OCS Wiring(EE	3)			
Tunnel)         140         06DECO7         25JUL08         Distribute         INSTL Parallel Feeder (along 1)           pation Test         140         06DECO7         25JUL08         24SEP06         Traction Pwr-Function           al / Integration Test         15         2JUL08         24SEP06         CCS Tension Sec 3 Functional           al / Integration Test         15         2JUL08         2SJUL08         CCS Tension Sec 4 Functional           al / Integration Test         15         07UL08         2JUL08         CCS Tension Sec 4 Functional           al / Integration Test         15         07UL08         2JUL08         CCS Tension Sec 4 Functional           al / Integration Test         15         07UL08         2JUL08         CCS Tension Sec 4 Functional           al / Integration Test         15         07UL08         2JUL08         CCS Tension Sec 4 Functional           al / Integration Test         15         07UL08         2JUL08         CCS Tension Sec 4 Functional           eret         15         07UL08         2SEEP08         0SCS Tension Sec 4 Functional           al / Integration Test         15         07UL08         2SEEP08         0SCS Tension Sec 4 Functional           al / Integration Test         15         07UL08         2SESEP08         0S	eoder (along Tunnet)         140         06DECO7         25JUL08         25JUL08         INSTL Parallel Feeder (along Tunnet)           ctonal / Inlegration Test         40         245EP08         245EP08         CCS Tension Sec 3.Functional           ctonal / Inlegration Test         40         23JUL08         245EP08         CCS Tension Sec 3.Functional           ctonal / Inlegration Test         15         15JUL08         245EP08         CCS Tension Sec 3.Functional           ctonal / Inlegration Test         15         3JUL08         245L008         CCS Tension Sec 4.Functional           ctonal / Inlegration Test         15         16JUL08         CAUC08         CCS T54.Acceptance Measurence           al Inspection         15         2JUL08         27JUC08         27JUC08         CCS T54.Acceptance Measurence           al Inspection         15         60/UC08         15SEP08         06NUC08         CCS T54.Acceptance Measurence           al Inspection         15         2/UC08         27JUC08         27JUC08         CCS T54.Acceptance Measurence           al Inspection         16         07/UC08         27JUC08         27JUC08         CCS T54.Acceptance Measurence           fance Envelope Test         15         27/UC08         27JUC08         27JUC08         CCS T54.Acceptance     <	Construction     NSTL Paralel Feder (dong Tume)     NSTL Paralel Feder (dong Tume)       800     NST. Paralel Feder (dong Tume)     140     66EC07     53.000       800     Statuto     23.000     23.000     23.000     23.000       801     Testion NerFunctional / Integration Testi     40     23.000     23.000       80     Taction NerFunctional / Integration Testi     40     23.000     53.000       80     Taction NerFunctional / Integration Testi     60     53.1000     54.0000       80     CS Treation Sec 3 - Functional / Integration Testi     60     55.1000     54.0000       80     CS Treation Sec 3 - Functional / Integration Testi     60     55.1000     54.0000       80     CS Treation Sec 3 - Functional / Integration Testi     60     65.1000     10.0000       80     CS Testion Sec 3 - Functional / Integration Testi     60     65.1000     10.0000       80     CS Test-Clearine Envelope Testi     50     65.1000     10.0000       80     CS Test-Clearine Envelope Testi     50     74Clearine Envelope Testi       80     CS Test-Clearine Envelope Testi     60     65.1000     10.0000       80     CS Test-Clearine Envelope Testi     60     65.1000     10.0000       80     CS Test-Clearine Envelope Testi <t< td=""><td>raction Power System</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	raction Power System									
Tunnel)         140         66DEC07         25JUL08         INSTL Parallel Feeder (along 1)           gration Test         140         66DEC07         25JUL08         Instruction           gration Test         16         23JUL08         24SEP08         Instruction           gration Test         15         33JUL08         24SEP08         OCS Tension Sec 3 Functional           gration Test         15         60         05AUC08         15JUL08           gration Test         15         60         05AUC08         15JUL08           ement/Visual         15         60         07AUC08         05AUC08           enent/Visual         15         23UU08         15SEP08         06NOV08           enent/Visual         15         28AUG08         15SEP08         06NOV08           enent/Visual         15         28AUG08         15SEP08         06NOV08           a)         25SEP08         06NOV08         23DEC08         15SEP08         06SUT08           a)         07NOV08         23DEC08         05JNOV08         23DEC08         05JNOV08         05JNOV08           a)         02OCT08         05JNOV08         05JNOV08         05JNOV08         05JNOV08	edder (along Tunnel)         140         06DECO7         25.UL08         NSTL Parallel Feeder (along Tunnel)           rdional / Integration Test         1         40         26JUL08         25JUL08         26JUL08           rdional / Integration Test         40         23JUL08         24SEP08         Traction Pwr-Function           rdional / Integration Test         15         23JUN08         15JUL08         05AU008           c3 - Functional / Integration Test         15         23JUN08         15JUL08           c4 - Functional / Integration Test         15         23JUN08         15JUL08           c4 - Functional / Integration Test         15         23JUN08         26SEO08           al Inspection         15         23JUN08         25SEP08         0CS Tansion Sec 3 - Functional           dance Measurement/Visual         16         2AJUG08         27AJUG08         27AJUG08           fance Envelope Test         15         07UU08         27AJUG08         0CS Tastion Sec 4 - Functional           fance Envelope Test         16         07UU08         27AJUG08         27AJUG08           fance Envelope Test         16         07UU08         27AJUG08         0CS Tastion Sec 4 - Functional           fast         07000         155EP08         0800008	Bits         MSTL Paralel Feder (along Tume)         MSTL Paralel Feder (along Tume)           03         NSTL Paralel Feder (along Tume)         140         66607         25.0.06           03         NSTL Paralel Feder (along Tume)         140         66607         25.0.06           04         Taction Per Functional / Integration Test         1         Taction Per Functional / Integration Test           11         Integration Test         40         23.0.06         24500         065           11         Integration Test         40         23.0.06         24500         065           11         Integration Test         40         24.0.06         065.000         065           11         Integration Test         5         34.0.06         065         065         065           12         Integration Test         16         07.0.06         16.0.00         065	Traction Power Construction		and and the							
Tunnel)         140         06DEC07         25JUL08         25JUL08         INSTL Parallel Feeder (along 1           gration Test         40         23JUL08         24SEP08         Traction Pwr-Function           gration Test         40         23JUL08         24SEP08         CoS Tension Sec 3-Functional           gration Test         15         23JUL08         15JUL08         05JUL08         05JUL08           gration Test         15         33JUL08         05JUL08         05JUL08         05JUL08           gration Test         15         15JUL08         05JUL08         05JUL08         05ST54-Acceptance Measurence           ement/Visual         15         16JUL08         27JUG8         27JUG8         05ST54-Acceptance Measurence           ement/Visual         15         07JUG8         27JUG8         05ST54-Acceptance Measurence           entert/Visual         15         28JUG8         15SEP08         05NU08         05ST54-Acceptance Measurence           entert/Visual         15         28JUG8         27JUG8         27S4-Acceptance Measurence           entert/Visual         15         28JUG08         27S4UG08         27S4-Acceptance Measurence           entert         15         28JUG08         28SEF08         00S0T08 <t< td=""><td>railel Feeder (along Tunnet)         140         66DEC/07         25JUL08         NSTL Parallel Feeder (along Tunnet)           sts         Arterional / Integration Test         140         66DEC/07         25JUL08         INSTL Parallel Feeder (along Tunnet)           sts         Arterional / Integration Test         140         241         241         241         241           sts         Arterional / Integration Test         15         23JUL08         245         Arterional / Integration Test         15         24JUL08         245/UL08         245/UL08           sts         Arterional / Integration Test         15         23JUL08         243/UL08         245/UL08         245/UL08           sts         Arterional / Integration Test         15         24JUL08         24JUL08         24JUL08         24/UL08           sts         Arterional / Integration Test         15         24JUL08         24JUL08         24JUL08         24/UL08           State         4         053/UL08         24JUL08         24JUL08         24JUL08         24JUL08           State         4         053/UL08         24JUL08         24JUL08         24JUL08         24JUL08         24JUL08           Arterion Bussertenner/Visual         15         24JUL08         27JUL08</td><td>Old         INSTL Parallel Feeder (along Tunne)         140         0605 Col         25.01.06         26.01.06         26.01.06         26.0</td><td>Construction</td><td></td><td></td><td>Services and services</td><td></td><td></td><td>-</td><td></td></t<>	railel Feeder (along Tunnet)         140         66DEC/07         25JUL08         NSTL Parallel Feeder (along Tunnet)           sts         Arterional / Integration Test         140         66DEC/07         25JUL08         INSTL Parallel Feeder (along Tunnet)           sts         Arterional / Integration Test         140         241         241         241         241           sts         Arterional / Integration Test         15         23JUL08         245         Arterional / Integration Test         15         24JUL08         245/UL08         245/UL08           sts         Arterional / Integration Test         15         23JUL08         243/UL08         245/UL08         245/UL08           sts         Arterional / Integration Test         15         24JUL08         24JUL08         24JUL08         24/UL08           sts         Arterional / Integration Test         15         24JUL08         24JUL08         24JUL08         24/UL08           State         4         053/UL08         24JUL08         24JUL08         24JUL08         24JUL08           State         4         053/UL08         24JUL08         24JUL08         24JUL08         24JUL08         24JUL08           Arterion Bussertenner/Visual         15         24JUL08         27JUL08	Old         INSTL Parallel Feeder (along Tunne)         140         0605 Col         25.01.06         26.01.06         26.01.06         26.0	Construction			Services and services			-			
gration Test         40         24SEP08         Arraction Pwr-Function           al / Integration Test         15         24SEP08         0CS Tension Sec 3 Functional           al / Integration Test         15         23JUN08         15JU08         0CS Tension Sec 3 Functional           al / Integration Test         15         23JUN08         15JU08         0STension Sec 3 Functional           al / Integration Test         15         23JUN08         15JU08         0STAUG08           al / Integration Test         15         23JUN08         15JU08         0STAUG08           al / Integration Test         15         23JUG08         27JUG08         0STAUG08           ertest         15         23UG08         13SEP08         0CS T54+Acceptance Measurence           be Test         15         28UG08         13SEP08         0CS T54+Clei           al / Integration Test         15         28UG08         23DEC08         0CS T54+Clei           al / Integration Test         15         28UG08         07NOV08         23DEC08         07NOV08           al / Integration Test         16         0         0         0         0	Mission Test         Traction Pwr-Function           with functional / Integration Test         40         2AJUL08         24SEP06         Colspan="2">Traction Pwr-Function           Mission Sec 3 Functional / Integration Test         15         2AJUL08         2ASEP06         Colspan="2">Colspan="2">Colspan="2">Traction Pwr-Function           Mission Sec 4 Functional / Integration Test         15         5AJUL08         5AJUL08         Cols TsA-Acceptance Measurement/ Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Cols TsA-Acceptance Measurement/ Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Cols TsA-Acceptance Measurement/ Colspan="2">Colspan="2">Colspan="2">Colspan="2">Cols TsA-Acceptance Measurement/ Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"           Mission Test         15         2.AJUC08         2.AJUC08         2.AJUC08         2.AJUC08         2.AJUC08         2.AJUC08         2.AJUC08         Cols TsA-Acceptance Measurement/ Cols TsA-	Constrained     Traction PwrFunctional / Integration Test     Traction PwrFunctional / Integration Test       66     Traction PwrFunctional / Integration Test     40     2.6.UL0.06     2.45.EP.06       76     Cost Traction PwrFunctional / Integration Test     15     1.6.UL0.06     2.45.EP.06       76     Cost Testion Sec 3 Functional / Integration Test     16     2.6.UL0.06     2.6.UL0.06     2.6.UL0.06       70     COS Testion Sec 3 Functional / Integration Test     16     1.6.UL0.06     2.7.UL0.06     2.7.UL0.06       70     COS Testion Sec 3 Functional / Integration Test     16     0.6.S.Tension Sec 4 Functional / Integration Test       70     COS Testion Sec 3.Functional / Integration Test     16     0.7.UL0.06     2.7.UL0.06       70     COS Test-Acceptance Measurement/Visual     16     0.7.UL0.06     2.7.UL0.06       70     COS Test-Acceptance Measurement/Visual     16     2.7.UL0.06     COS Test-Acceptance Measurement/Visual Inspection       70     COS Test-Acceptance Envelope Test     16     2.7.UL0.06     1.7.E.     COS Test-Acceptance Measurement/Visual Inspection       70     COS Test-Acceptance Envelope Test     16     2.7.UL0.06     2.7.UL0.06     COS Test-Acceptance Measurement/Visual Inspection       70     COS Test-Acceptance Envelope Test     2     2.7.UL0.06     COS Test-Acceptance Envelope Test <td></td> <td></td> <td>-</td> <td></td> <td>INSTL Para</td> <td>lel Feeder (along Tunnel)</td> <td></td> <td></td>			-		INSTL Para	lel Feeder (along Tunnel)				
gration Test         40         24JUL08         24SEP08         Traction Pwr-Function           al / Integration Test         15         23JUN08         15JU08         0CS Tension Sec 3 Functional           al / Integration Test         15         23JUN08         15JU08         0CS Tension Sec 3 Functional           al / Integration Test         15         23JUN08         15JU08         0CS Tension Sec 3 Functional           al / Integration Test         15         16JU08         05AUG08         27AUG08         0CS Tension Sec 3 Functional           al / Integration Test         15         16JU08         05AUG08         27AUG08         0CS T54 - Cles           entert/visual         15         28UG08         19SEP08         0SOCS T54 - Cles         0CS T54 - Cles           be Test         15         28UG08         18SEP08         0SOCS T54 - Cles         0CS T54 - Cles           be Test         15         28UG08         18SEP08         0SOCS T54 - Cles         0CS T54 - Cles           be Test         15         28UG08         28DEC08         0SOCS T54 - Cles         0CS T54 - Cles           al / Integration         15         28UG08         28DEC08         0SOCT08         0SUM08         0SUM08         S	MSF Integration Test         A Traction Pwr-Function           Wr-Functional / Integration Test         1         Traction Pwr-Function           Integration Test         1         Colspan="2">Traction Pwr-Function           Integration Test         1         Colspan="2">Traction Pwr-Function           Integration Test         1         Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"         Colspan="2"          Colspan="2"          Colspan="2" <th <="" colspan="2" t<="" td=""><td>Court System     Traction Pwr.Functional / Integration Test     Traction Pwr.Functional / Integration Test       11 //mgration Test     1 cation Pwr.Functional / Integration Test     1 cation Pwr.Functional / Integration Test       12 //mgration Test     1 cation Pwr.Functional / Integration Test     1 cation Pwr.Functional / Integration Test       13 //mgration Test     1 cation Pwr.Functional / Integration Test     1 cation Pwr.Functional / Integration Test       13 //mgration Test     2 cos Tension Sec 3 Functional / Integration Test     0 cos Tension Sec 3 Functional / Integration Test       14 //mgration Test     2 cos Tension Sec 4 Functional / Integration Test     0 cos Tension Sec 3 Functional / Integration Test       16 //mgration Test     2 cos Tension Sec 4 Functional / Integration Test     0 cos Testenion Sec 4 Functional / Integration Test       17 //mgration Test     2 cos Testen Second Second</td><td>Testing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td>Court System     Traction Pwr.Functional / Integration Test     Traction Pwr.Functional / Integration Test       11 //mgration Test     1 cation Pwr.Functional / Integration Test     1 cation Pwr.Functional / Integration Test       12 //mgration Test     1 cation Pwr.Functional / Integration Test     1 cation Pwr.Functional / Integration Test       13 //mgration Test     1 cation Pwr.Functional / Integration Test     1 cation Pwr.Functional / Integration Test       13 //mgration Test     2 cos Tension Sec 3 Functional / Integration Test     0 cos Tension Sec 3 Functional / Integration Test       14 //mgration Test     2 cos Tension Sec 4 Functional / Integration Test     0 cos Tension Sec 3 Functional / Integration Test       16 //mgration Test     2 cos Tension Sec 4 Functional / Integration Test     0 cos Testenion Sec 4 Functional / Integration Test       17 //mgration Test     2 cos Testen Second Second</td> <td>Testing</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Court System     Traction Pwr.Functional / Integration Test     Traction Pwr.Functional / Integration Test       11 //mgration Test     1 cation Pwr.Functional / Integration Test     1 cation Pwr.Functional / Integration Test       12 //mgration Test     1 cation Pwr.Functional / Integration Test     1 cation Pwr.Functional / Integration Test       13 //mgration Test     1 cation Pwr.Functional / Integration Test     1 cation Pwr.Functional / Integration Test       13 //mgration Test     2 cos Tension Sec 3 Functional / Integration Test     0 cos Tension Sec 3 Functional / Integration Test       14 //mgration Test     2 cos Tension Sec 4 Functional / Integration Test     0 cos Tension Sec 3 Functional / Integration Test       16 //mgration Test     2 cos Tension Sec 4 Functional / Integration Test     0 cos Testenion Sec 4 Functional / Integration Test       17 //mgration Test     2 cos Testen Second	Testing							
gration Test         40         24JUL08         24SEP06         Traction Pwr-Function           al / Integration Test         15         2JUL08         24SEP06         0CS Tension Sec 3 -Functional           al / Integration Test         15         2JUL08         6SAUG08         7SUL08         0CS Tension Sec 3 -Functional           al / Integration Test         15         15, 10.00         0SAUG08         27AUG08         0CS Tension Sec 4 -Functional           al / Integration Test         15         15, 10.00         0SAUG08         27AUG08         0CS T54-Acceptance Measureme           errent/Visual         15         28AUG08         19SEP08         0SOU086         0CS T54-Ceptance Measureme           of Test         15         28AUG08         19SEP08         0SOU086         0SO T54-Cles           of Test         15         28AUG08         19SEP08         0SOU086         0SOU086         0SOU086           30         275EP08         0SUO086         23DEC08         0SUNOV         0SUNOV         0SOU086         5           60         0         0         0SUOV         0SUNOV         0SUNOV         0SUNOV         0SUNOV         5	Als         Traction Pwr-Function           Wr-Functional / Integration Test         40         28.UL08         24.Ep.08           On         24.Ep.04         24.Ep.08         24.Ep.010         26.Ep.08         27.AL0208         2	Miss         Traction PwrFunctional / Integration Test         Traction PwrFunctional / Integration Test           with miss         Miss         2 3.01.08         23.01.08         23.01.08         24.540000         24.54000         24.54000	ion Power System	Sauger Contraction		Contraction of the second						
Traction Test         40         28JUL08         24SEP08         24SEP08         Traction Pwr-Function           al / Integration Test         15         23JUN08         15JUL08         0CS Tension Sec 3-Functional           al / Integration Test         15         15         0CS Tension Sec 4-Functional           al / Integration Test         15         15JUL08         05AUG08         0CS Tension Sec 4-Functional           al / Integration Test         15         16JUL08         05AUG08         27AUG08         0CS Tension Sec 4-Functional           erent/Visual         15         16         05AUG08         27AUG08         05AUG08         05A	Functional / Integration Test4023JU 10824SE P08Traction Pwr-FunctionSec 3 - Functional / Integration Test1523JU10815JU1080GS Tension Sec 3 - FunctionalSec 3 - Functional / Integration Test1523JU10806AUG0806AUG08Sec 4 - Functional / Integration Test1515JU10806AUG0806AUG08Sec 4 - Functional / Integration Test1523JU10827AUG0827AUG08Sec 4 - Functional / Integration Test1527AUG0827AUG0806S T54-Acceptance MeasurementSet 4 - Eurotional / Integration Test1528AUG0819SEP0806S T54-Acceptance MeasurementSet 4 - Eurotional / Integration Test1528AUG0819SEP0806S T54-Acceptance MeasurementSet 1 - Eurotional / Integration3027AUG0819SEP0806S T54-Acceptance MeasurementSet 1 - Eurotional / Integration3027AUG0819SEP0806S T54-Acceptance MeasurementSet 1 - Eurotional / Integration3027AUG0819SEP080CS T54-Acceptance MeasurementSet 1 - Eurotional / Integration3027AUG0823BEC080CS T54-Acceptance MeasurementSet 1 - Eurotional / Integration3007NOV0823BEC080CS T54-Acceptance MeasurementSet 1 - Eurotional / Integration3007NOV0823BEC080CS T54-Acceptance MeasurementSet 1 - Eurotional / Integration3007NOV0823BEC080CS T54-Acceptance MeasurementSet 1 - Eurotional / Integration3007NOV080SAN090CS T54-Ac	Functional / Integration Test         40         245Ep08         Traction Pwr-Functional / Integration Test           Sec 3-Functional / Integration Test         15         0.05         Tension Sec 3-Functional / Integration Test           Sec 4-Functional / Integration Test         15         0.010.08         0.05         Tension Sec 3-Functional / Integration Test           Sec 4-Functional / Integration Test         15         0.400.08         0.65         Tension Sec 4-Functional / Integration Test           Sec 4-Functional / Integration Test         15         0.400.08         210.00         274.000         274.000           Set 4-Functional / Integration Test         15         0.400.08         274.000         274.000         274.000           Set 4-Functional / Integration Test         15         0.400.08         274.000         274.000         274.000           Set 4-Functional / Integration Test         0.5         0.5         0.5         0.5         0.5           Set 4-Functional / Integration Test         0.5         0.5         0.5         0.5         0.5         0.5           Set 4-Functional / Integration Test         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5	tional / Internation Tests									
al / Integration Test       15       23JUN08       15JUL08       0CS Tension Sec 3-Functional         al / Integration Test       15       15JUL08       06AUG08       0CS Tension Sec 4 Functional         al / Integration Test       15       15JUL08       06AUG08       0CS Tension Sec 4 Functional         ement/Visual       15       07AUG08       27AUG08       27AUG08       0CS T54 Acceptance Measureme         ement/Visual       15       28AUG08       19SEP08       06NOV08       00S T54 Acceptance Measureme         of Test       15       28AUG08       19SEP08       06NOV08       06NOV08       00S T54 Acceptance Measureme         0       15       28AUG08       19SEP08       06NOV08       06NOV08       00S T54 Acceptance Measureme         0       15       28AUG08       19SEP08       06NOV08       06NOV08       00S T54 Acceptance Measureme         0       0       00NOV08       23DEC08       06NOV08       00NOV08       00NOV08       10         60       0       00OCT08       05JAN09       05JAN09       10       10       10	Sec 3 - Functional / Integration Test         15         23.UN08         15.UL08         065 Tension Sec 3 - Functional OC5 Tension Sec 3 - Functional OC5 Tension Sec 3 - Functional C003           Sec 4 - Functional / Integration Test         15         15.UL08         065.UL08         065.UL08         065.Tension Sec 4 - Functional OC5 Tension Sec 4 - Functional OC5 Tension Sec 4 - Functional C003           Sec 4 - Functional / Integration Test         15         07.UL08         05.UL08         05.UL08         05.UL08         065.Tension Sec 4 - Functional OC5 Tension Sec 4 - Functional OC5 Tension Sec 4 - Functional OC5           Set 1         15         07.UL08         27.AL008         27.AL008         05.Tension Sec 4 - Functional OC5           Set 1         15         07.AL068         15.EFD08         15.EFD08         05.Tension Sec 4 - Functional OC5           Set 1         15         28.UL08         15.EFD08         15.EFD08         05.Tension Sec 4 - Functional OC5           Set 1         15         28.UL08         15.EFD08         15.EFD08         05.Tension Sec 4 - Functional OC5           Set 1         15         28.UL08         15.EFD08         15.EFD08         05.Tension Sec 4 - Functional OC5           Set 1         16         27.AL060         15.EED08         06.Tension Sec 4 - Functional OC5           Set 1         28.EED08         06.Te	Sec 3 - Functional / Integration Test         15         23.UN08         15.UU08         0.CS Tension Sec 3 - Functional / Integration Test           Sec 3 - Functional / Integration Test         15         23.UN08         15.UU08         0.CS Tension Sec 4 - Functional / Integration Test           Sec 4 - Functional / Integration Test         15         0.AU008         23.UU08         0.CS Tension Sec 4 - Functional / Integration Test           Sec 4 - Functional / Integration Test         15         0.AU008         23.AU008	A3T3T08 05 Traction Pwr-Functional / Integration Test		-		Tra	ction Pwr-Functional / Integration	n Test			
al / Integration Test       15       23JUN08       15JUL08       0cS Tension Sec 3 Functional         al / Integration Test       15       15JUL08       06AUG08       0CS Tension Sec 3 Functional         al / Integration Test       15       07U008       27AUG08       75JUL08       0CS Tension Sec 3 Functional         ement/Visual       15       07U008       27AUG08       77AUG08       77AUG08       77AUG08         e Test       15       28AUG08       19SEP08       06NOV08       30       25SEP08       06NOV08         al / Since       30       25SEP08       06NOV08       23DEC08       60       05UNOV08       30         al / Since       30       07NOV08       23DEC08       05UNOV08       30       30       7         al / Since       60       02OCT08       05UNOV08       23DEC08       5       5	Sec 3 - Functional / Integration Test         15         23.UN08         15.UL08         0GS Tension Sec 3 - Functional / Integration Test         15         16.UL08         06.AUC08         06.S Tension Sec 3 - Functional / Integration Test         15         16.UL08         06.AUC08         06.S Tension Sec 4 - Functional / Integration Test         15         16.UL08         06.AUC08	Sec 3 - Functional / Integration Test         15         23.U108         15.U108         55.U108         55.U108 <t< td=""><td>nood Contact Svetam</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></t<>	nood Contact Svetam						-			
al / Integration Test         15         23JUN08         15JUL08         06S Tension Sec 3 Functional           al / Integration Test         15         16,JUL08         06AUG08         0CS Tension Sec 3 Functional           al / Integration Test         15         07AUG08         27AUG08         27AUG08         77AUG08           ement/Visual         15         07AUG08         27AUG08         27AUG08         27AUG08         77AUG08           e Test         15         07         15         07AUG08         19SEP08         0CS T54-Acceptance Measurence           e Test         15         28AUG08         19SEP08         06NOV08         06NOV08         06S T54 - Clas           a) 25SEP08         06NOV08         23DEC08         05NOV08         23DEC08         60         050 T60         60           60         02OCT08         05JAN09         60.000         60.000         60         <	Tension Sec 3 - Functional / Integration Test         15         23UU008         15.UL068         0CS Tension Sec 3 - Functional / Integration Test         15         6U008         0CS Tension Sec 3 - Functional / Integration Test         15         15.UL068         0CS Tension Sec 4 - Functional / Integration Test         15         15.UL068         0CS Tension Sec 4 - Functional / Integration Test         0CS Tension Sec 4 - Functional / Integration Test         0CS Tension Sec 4 - Functional / Integration Test         0CS Tension Sec 4 - Functional / Integration Test         0CS Tension Sec 4 - Functional / Integration Test         0CS Tension Sec 4 - Functional / Integration Test         0CS Tension Sec 4 - Functional / Integration Test         0CS Tension Sec 4 - Functional / Integration Test         0CS Test         0CS Test         0CS Tension Sec 4 - Functional / Integration Test         0CS Test - Clearance Envelope Test         15         28AUG08         27AUG08         27AUG	Tension Sec 3 -Functional / Integration Test         15         23.UN08         15.0.U08         65.0.U08         65.0.0.05         74.4cceptance Measurement/Ysual Inspection           TS4.Acceptance Envelope Test         15         73.0.008         23.0.008         158.5.008         06.00.008         158.5.0.008         055.7.4.0.008         169.0.000         055.7.4.0.006         169.0.000         055.7.4.0.006         169.0.000         055.7.4.0.006         169.0.000         055.7.4.0.006	tional / Internation Tests									
all Integration Test         15         16JUL08         06AUG08         0CS Tension Sec 4 Function           ement/Visual         15         07AUG08         27AUG08         27AUG08         0CS T54-Acceptance Measurence           ement/Visual         15         07AUG08         19SEP08         0CS T54-Acceptance Measurence           entert         15         27AUG08         19SEP08         06NOV08         0CS T54-Acceptance Measurence           entert         15         27AUG08         19SEP08         06NOV08         06NOV08         06S T54-Acceptance Measurence           a)         25SEP08         06NOV08         23DEC08         9         06S T54-Clea           a)         07NOV08         23DEC08         07NOV08         23DEC08         60         02OCT08         05JAN09	Tension Soci 4 - Functional         Cost 7 - Functional         Ocst 7 - Functional           Tension Soci 4 - Functional         15         16.01.008         06.01.008         06.01.008           ment / Visual Inspection         TS4-Acceptance Measurement/Visual         15         01.01.008         27.01.008         27.01.008           TS4-Acceptance Measurement/Visual         15         07.10.008         27.01.008         27.01.008         0.005         15.4.000           TS4-Acceptance Measurement/Visual         15         0.17.01.008         19.5         0.005         19.5         0.005         19.5         0.005         19.5         0.005         19.5         0.005         19.5         0.005         19.5         0.005         19.5         0.005         19.5         0.005         0.005         19.5         0.005         19.5         0.005         19.5         0.005         19.5         0.005         19.5         0.005         19.5         0.005         19.5         0.005         19.5         0.005         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.5         19.	Tension sect - Functional / Integration Test         15         16.UU08         06XU0308         CS Transion Sec 4 Functional / Integration Test           Test Acceptance Measurement/Visual Inspection         15         71.U08         Z7AU0308         Z2AU0308         Z2AU0308         Z2AU0308         Z2AU0308         Z2AU0308         Z2AU0308         Z2AU0308         Z2AU0308         Z2AU0308         Z2AU0308<	T08.15 OCS Tension Sec.3 -Functional / Integration Test		H		OCS Tensior	Sec 3 -Functional / Integration T	fest			
Image         Image <th< td=""><td>Instruction         Instruction         <thinstruction< th=""> <thinstruction< th=""></thinstruction<></thinstruction<></td><td>Instruction         Notice         No</td><td>1</td><td></td><td></td><td></td><td>OCS Tensic</td><td>in Sec 4 -Functional / Integration</td><td>Test</td><td></td></th<>	Instruction         Instruction <thinstruction< th=""> <thinstruction< th=""></thinstruction<></thinstruction<>	Instruction         Notice         No	1				OCS Tensic	in Sec 4 -Functional / Integration	Test			
ement/Visual         15         07AUG08         27AUG08         27AUG08 <t< td=""><td>TS4-Acceptance Measurement/Visual         15         07AUG08         27AUG08         20C5 T54-C08         00C5 T54-C08</td><td>Instant restant inspection         CCS TS4-Acceptance Measurement/Visual Inspection           TS4-Acceptance Measurement/Visual         15         07/UG08         27/UG08         27/UG08         27/UG08         27/UG08         7/UG08         7/UG08         7/UG08         7/UG08         15         0/UG08         7/UG08         15         0/UG08         15/Step08         0/Step08         0/Step08         0/Step16         0/Step1</td><td>10.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	TS4-Acceptance Measurement/Visual         15         07AUG08         27AUG08         20C5 T54-C08         00C5 T54-C08	Instant restant inspection         CCS TS4-Acceptance Measurement/Visual Inspection           TS4-Acceptance Measurement/Visual         15         07/UG08         27/UG08         27/UG08         27/UG08         27/UG08         7/UG08         7/UG08         7/UG08         7/UG08         15         0/UG08         7/UG08         15         0/UG08         15/Step08         0/Step08         0/Step08         0/Step16         0/Step1	10.									
15       28AUG08       19SEP08       OCS T54 - Clean         30       25SEP08       06NOV08       330         30       07NOV08       23DEC08       05NAN09         60       02OCT08       05JAN09       5	Tests         Tests         Occs Ts4 - Clearance Envelope Test         15         28AUG08         19SEP08         Occs Ts4 - Clearance Envelope Test         30         25SEP08         06NOV08         23DEC08         Occs Ts4 - Clearance Envelope Test         30         27NOV08         23DEC08         Minetration Test         00         000000000000000000000000000000000000	Tests         CCS TS4 · Clearance Envelope Test           TS4 · Clearance Envelope Test         15         28AUG08         19SEP08         008NOV08         19SEP08         0CS TS4 · Clearance Envelope Test           - Electrical Test         30         25SEP08         06NOV08         23DEC08         0CS · Electrical Test         0CS · Electrical Test           - Live Line Run Test         30         07NOV08         23DEC08         05JAN09         0CS · Live Line Run Test           - Integration Test         30         07NOV08         23DEC08         05JAN09         System Integration Test           - Integration Test         60         02OCT08         05JAN09         System Integration Test         0CS · Live Line Run Test	2				OCS TS4-Accel	stance Measurement/Visual Inspe	ection			
elope Test         15         28AUG08         19SEP08         0CS T84 - Clea           30         25SEP08         06NOV08         23DEC08         0         0           1         30         07NOV08         23DEC08         0         0         0           1         0         07NOV08         23DEC08         0         0         0         0	TS4- Clearance Ervelope Test       15       28AUG08       19SEP08       0CS T54- Clearance         - Electrical Test       30       25SEP08       06NOV08       200       200         - Live Line Run Test       30       07NOV08       23DEC08       200       200         - Inve Line Run Test       30       07NOV08       23DEC08       200       200         - Inve Line Run Test       30       02OCT08       05JAN09       23DEC08       05JAN09         - Inve Line Run Test       60       02OCT08       05JAN09       05JAN09       05JAN09	TS4. Clearance Envelope Test       TS       28AUG08       195EP08       195EP08       195EP08       195EP08       0CS TS4. Clearance Envelope Test         - Electrical Test       30       255EP08       06NOV08       20NOV08       20SEP08       06NOV08       0CS - Live Line Run Test         - Live Line Run Test       30       07NOV08       23DEC08       05JANO8       0CS - Live Line Run Test       0CS - Live Line Run Test         am Integration Test       80       02OCT08       05JANO9       05JANO9       55ystem Integration Test       0CS - Live Line Run Test         am Integration Test       60       02OCT08       05JANO9       05JANO9       05JANO9       5ystem Integration Test       0CS - Live Line Run Test	S						•			
30 25SEP08 06NOV08 23DEC08 06NOV08 23DEC08 05JAN09 60 02OCT08 05JAN09 05JAN09	- Electrical Test         30         25SEP08         06NOV08         -           - Live Line Run Test         30         07NOV08         23DEC08         -         -         -           - Inive Line Run Test         30         07NOV08         23DEC08         -         -         -         -         -           - Inive Line Run Test         30         07NOV08         23DEC08         -	- Electrical Test         30         255EP08         06NOV08         0GS - Electrical Test           - Live Line Run Test         30         07NOV08         23DEC08         06NOV08         23DEC08         0CS - Live Line Run Test           minegration Test         30         07NOV08         23DEC08         05JAN09         23DEC08         05JAN09           minegration Test         60         02OCT08         05JAN09         5System Integration Test         System Integration Test						OCS TS4 - Clearance Envelop	pe Test			
30 255EP08 06NOV08 23DEC08 07NOV08 23DEC08 05JAN09 05J	- Electrical Test     30     255EP08     06NOV08       - Live Line Run Test     30     07NOV08     23DEC08       - Initegration Test     30     02NOV08     05JAN09	- Electrical Test         30         25SEP08         06NOV08         06NOV08         06S< - Electrical Test           - Live Line Run Test         30         07NOV08         23DEC08         06NOV08         23DEC08         0CS - Live Line Run Test           of Integration Test         60         02OCT08         05JAN09         05JAN09         System Integration Test           of UNIX2         Early Bin         NEI         Sistem Integration Test         Creation Test	Electrical Tests		Barrie and							
30 07NOV08 23DEC08 60 02OCT08 05JAN09	- Live Line Run Test 30 07NOV08 23DEC08 an integration Test 60 02OCT08 05JAN09	- Live Line Run Test - Live Line Run Test - Live Line Run Test -  -  -  -  -  -  -  -  -  -  -  -  -						OCS - Electr	ical Test			
30 07NOV08 23DEC08 60 02CCT08 05JAN09	- Live Line Run Test 30 07NOV08 23DEC08 an Integration Test 60 02OCT08 05JAN09 5.	- Live Line Run Test     30     07NOV08     23DEC08     05Live Line Run Test       em Integration Test     60     02OCT08     05JAN09	ine Run Test									
60 02OCT08 05JAN09	em Integration Test 60 02OCT08 05JAN09	em Integration Test 60 02.0CT08 05.JAN09 System Integration Test						OCS - Live Lin	e Run Test			
60 02OCT08 05JAN09	System Integration Test 60 02OCTO8 05JAN09	System Integration Test 60 02.0CT08 05.JAN09 System Integration Test	ation Testing									
60 02OCT08 05JAN09	System Integration Test 60 02OCTO8 05JAN09 60	System Integration Test     60     02.0CT08     05.JAN09     System Integration Test       0.1JNU2     Early Bir     M506     Sheet 6 of 6     Revision     Checked	ation Test						•			
		Early Bar Moos Sheet 5 of 6 Sheet 5 of 6 Revision Checked	T03 05 System Integration Test		-			System Integra	tion Test			
		Early Bar Motor Cold Line Extension Sheet 5 of 6 Date	Functional / Integration Tests         A314108 15       OCS Tension Sec 3 - Functional / Integration Test         A314108 20       OCS Tension Sec 4 - Functional / Integration Test         A314102 20       OCS Tension Sec 4 - Functional / Integration Test         A3141103 20       OCS TS4-Acceptance Measurement/Visual         A3141102 0       OCS TS4 - Clearance Envelope Test         A314111 05       OCS TS4 - Clearance Envelope Test         A314111 05       OCS - Electrical Test         A314111 05       OCS - Live Line Run Test         A314112 05       OCS - Live Line Run Test         A314112 05       OCS - Live Line Run Test         A314112 05       System Integration Test				OCS Tensior OCS Tensio	i Sec 3 -Functional / Integrati in Sec 4 -Functional / Integrat otance Measurement/Visual I OCS TS4 - Clearance Env OCS - Elv OCS - Live System Inte	and the sector s	on Test tion Test nspection elope Test ectrical Test		

# **PROJECT MASTER SCHEDULE**

# Approved 2009 Revenue Operations Date Pre-revenue Operations Checked 2008 2007 June 2005 Schedule Update 2006 Date 01JUL05 2005 Metro Gold Line Eastside Extension LT-26 Critical Path Schedule Current Forecast 2004 14JUL09 15JUL09 Early Finish 06JAN09\* Early Start 135 0 Rem Dur Early Bar Progress Bar Critical Activity Activity Description Pre-revenue Operations Revenue Operations Date Start Date 01JUN02 Finish Date 15JU109 Data Date 01JU105 Run Date 12JU105 1427 © Primavera Systems, Inc. **MTA Startup Operations** Metro Startup Operations Startup Operations Activity ID MTCC216 MTCC230

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

# **CRITICAL PATH NARRATIVE**

### **Current Critical Path Analysis**

The delivery of two Earth Pressure Balance Machines (EPBMs) and tunnel liners are on the critical path. Concurrent with these procurements, the project has proceeded with critical tasks such as submittals preparation and review, traffic control, utility relocations, ground treatments, solider pile installation, deck beam installation and station box excavation.

The Boyle Station second level structural excavation and tie-back system installation began in early June 2005. The excavation at the lowest level is anticipated to finish in early August 2005 followed by the grounding mat and sub-invert concrete. The Boyle Station structural excavation and a portion of the sub-invert are scheduled to complete prior to the arrival of EPBMs. The two EPBMs have been tested and will be shipped from Germany this summer for final assembly and installation at Boyle Station in Fall 2005. Concurrent with the Boyle Station structural excavation, the Soto Station soldier pile installation completed in mid-June 2005 and the piling equipment was mobilized to East Portal to begin soldier pile installation at the north side of 1<sup>st</sup> Street.

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

### Design

During this reporting period, the Atlantic Station schematic design and the initial civil design for Segment-5 were submitted for Metro's review. The following facility design packages and the system design packages are in progress:

- Facility Design Packages:
  - 1. Soto Station 85% design,
  - 2. Little Tokyo/Arts District Station 85% design,
  - 3. Pico/Aliso Station 85% design,
  - 4. East LA Civic Center Station schematic design,
  - 5. Segments-2B, 3B 3C, and 4 initial civil design, and
  - 6. Segments-6 and 7 85% civil design.

### **CRITICAL PATH NARRATIVE**

- System Design Packages:
  - 1. Traction power 65% design,
  - 2. Overhead contact system 65% design,
  - 3. Train control system 65% design, and
  - 4. Communication system 65% design.

### Construction

At Boyle Station, the second level excavation, the tie-back system, and the struts/walers installation began in early June 2005 and continued through the end of the month. The installation of surface equipment continued at Bailey Yard and Bodie Yard. In the month of June 2005, the contractor reported a schedule delay in the Boyle Station excavation activities. The contractor is currently preparing a plan for the remaining Boyle Station excavation work and the construction of grounding mat, invert and sub-invert to mitigate the schedule delay prior to the delivery of the EPBMs.

The Soto Station soldier pile installation was completed in mid-June 2005. Deck beam fabrication continued during the month.

Street widening work began in early June 2005 at the East Portal area, including the demolition behind the existing crematorium retaining wall. Phase-2 soldier pile trenching and installation also began in mid-June 2005 and is anticipated to complete by the end of July 2005.

Utility relocations continue at Soto Station, West and East Portals, and along the Third Street alignment.

The Caltrans contractor for Contract C0802 – 101 Freeway Bridge Overcrossing continued with roadway construction on Commercial Street and the US-101 Freeway on and off ramps.

# **PROJECT COST STATUS**

ORI	ST REPORT BY ELEMEN GINAL SCOPE ACTIVITIES ARS IN THOUSANDS	Г									
ELE-	DECODIDITION	ORIGINAL	CURREN	BUDGET	COMMIT	MENTS	EXPEND	DITURES	CURRENT	FORECAST	BUDGET /
MENT	DESCRIPTION	BUDGET	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	FORECAST VARIANCE
С	CONSTRUCTION	633,221	-	662,391	-	639,224	8,716	151,925	-	662,391	-
S	SPECIAL CONDITIONS	19,494	-	20,329	2	14,972	431	8,886	-	20,329	-
R	RIGHT-OF-WAY	40,358	-	41,742	-	40,711	15	34,683	-	41,742	-
Р	PROFESSIONAL SERVICES	135,304	-	135,936	9,792	89,878	1,456	73,048	-	135,936	-
PC	PROJECT CONTINGENCY	60,254	-	28,249	-	-	-	-	-	28,249	-
PR	PROJECT REVENUE	(4,617)	-	(4,633)	-	-	-	(16)	-	(4,633)	-
	SUBTOTAL	884,014	-	884,014	9,794	784,785	10,618	268,526	-	884,014	-
PF	PROJECT FINANCE COST	14,800	-	14,800	-	-	-	-	-	14,800	-
	TOTAL	898,814	-	898,814	9,794	784,785	10,618	268,526	-	898,814	-
NOTE	EXPENDITURES ARE CUMULATIVE	THROUGH M	AY 2005								

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

### Commitments

The Commitments increased by \$9.8 million this period due to FY06 negotiated costs for Design Support During Construction and Construction Management Support Services. The \$784.8 million in Commitments to date represents 87.3% of the Original Budget.

### Expenditures

Expenditures are cumulative through May 2005. The Expenditures increased by \$10.6 million this period primarily due to construction costs associated to Contract C0803 – Tunnel, Stations, Trackwork, and Systems. The \$268.5 million in Expenditures to date represents 29.9% of the Original Budget.

# **PROJECT COST STATUS**

CON	ST REPORT BY ELEMENT ICURRENT NON-FFGA PRO.		VITIES								
DOL	LARS IN THOUSANDS	ORIGINAL	CURRENT	BUDGET	COMMIT	MENTS	EXPEN	DITURES	CURRENT	FORECAST	BUDGET /
MENT	DESCRIPTION	BUDGET	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	FORECAST VARIANCE
С	CONSTRUCTION	18,000	-	18,000	4,432	4,582	-	-	-	18,000	-
S	SPECIAL CONDITIONS	-	-	-	-	-	-	-	-	-	-
R	RIGHT-OF-WAY	-	-	-	-	-	-	-	-	-	-
Р	PROFESSIONAL SERVICES	-	-	-	-	-	-	-	-	-	-
PC	PROJECT CONTINGENCY	-	-	-	-	-	-	-	-	-	-
PR	PROJECT REVENUE	-	-	-	-	-	-	-	-	-	-
	SUBTOTAL	18,000	-	18,000	4,432	4,582	-	-	-	18,000	-
PF	PROJECT FINANCE COST	-	-	-	-	-	-	-	-	-	-
	TOTAL	18,000	-	18,000	4,432	4,582	-	-	-	18,000	-
NOTE	: EXPENDITURES ARE CUMULATIVE	THROUGH MA	Y 2005								

### **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 \$4.4 million for this period due to executed modifications for the Urban Design Elements and a Low Profile Overhead Contact System. The \$4.6 million in Commitments to date represents 25.5% of the Original Budget.

### Expenditures

There are no Expenditures to date.

### FINANCIAL/GRANT STATUS – ORIGINAL SCOPE ACTIVITIES

JUNE 2005

#### STATUS OF FUNDS BY SOURCE

								in \$ million	IS
	(A)	(B)	(C)	(D)	(D/B)	(E)	(E/B)	(F)	(F/B)
	ORIGINAL	TOTAL	TOTAL	COMMITM	ENTS	EXPENDIT	URES	BILLED to I	FUNDING
SOURCE	BUDGET	FUNDS	FUNDS					SOURC	Œ
		ANTICIPATED	AVAILABLE	\$	%	\$	%	\$	%
FEDERAL - SECTION 5309 NEW START	490.7	490.7	17.3	430.4	88%	17.3	4%	17.3	4%
FED - SECTION 5309 FIXED GUIDEWAY	23.1	12.0			0%		0%		0%
FEDERAL - CMAQ	10.3	10.3			0%		0%		0%
REGIONAL IMPROVMNT PROG-FED	179.6	179.6	4.6	179.6	100%	4.6	3%	4.6	3%
REGIONAL IMPROVM PROG-STATE	0.6	0.6	0.6	0.6	100%	0.6	100%	0.6	100%
STATE TCRP	45.0	45.0	45.0	45.0	100%	45.0	100%	45.0	100%
PROP A 35% / PROP C 40% BONDS	124.6	135.7	105.9	119.0	88%	105.6	78%	105.6	78%
LEASE REVENUES	10.1	10.1	10.1	10.1	100%	10.1	100%	10.1	100%
UNBILLED ACCRUALS						85.3			
SUB-TOTAL	884.0	884.0	183.5	784.8	89%	268.5	30%	183.2	21%
PROP A/PROP C (INTEREST COST)	14.8	14.8			0%	0.0	0%	0.0	0%
TOTAL	898.8	898.8	183.5	784.8	87%	268.5	30%	183.2	20%

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MAY 2005.

### STATUS OF FUNDS ANTICIPATED

**FEDERAL SECTION 5309:** The LACMTA submitted a grant amendment application CA-03-0508-04 for \$3,934,330 on April 18, 2003. Funds were available for draw down as of June 2003. On June 1, 2004, the FTA approved the Full Funding Grant Agreement for \$490.7 million of New Starts Funds. The LACMTA received an appropriation of \$59.5 million for FY05. A grant application has been submitted to FTA and is awaiting approval. However, because Congress has yet to approve a reauthorization bill, only \$39.1 million is currently available.

**FEDERAL CMAQ:** The LACMTA submitted a grant application for \$10, 276.000 in June 2005. Grant approval is expected in July 2005.

**RIP-FEDERAL:** LACMTA has submitted a request for an AB 3090 reimbursement allocation of \$43.6 million in STP funds to the CTC for consideration at their July 2005 meeting.

**STATE TCRP:** On April 3, 2003 the California Transportation Commission approved LACMTA's request to amend the STIP to convert \$191 million 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, the 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

\$166.9 million.

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

#### STATUS OF FUNDS BY SOURCE

								in \$ millio	ns
	(A)	(B)	(C)	(D)	(D/B)	(E)	(E/B)	(F)	(F/B)
	ORIGINAL	TOTAL	TOTAL	COMMITM	ENTS	EXPEND	TURES	BILLED to	FUNDING
SOURCE	BUDGET	FUNDS	FUNDS					SOUR	CE
		ANTICIPATED	AVAILABLE	\$	%	\$	%	\$	%
		(1)							
FEDERAL - CMAQ	14.0	14.0		0.6	4%		0%		0%
PROP A 35% / PROP C 40% BONDS	4.0	4.0		4.0	100%		0%		0%
UNBILLED ACCRUALS									
TOTAL	18.0	18.0	0.0	4.6	25%	0.0	0%	0.0	0%

(1) Based on March 2005 Board Report.

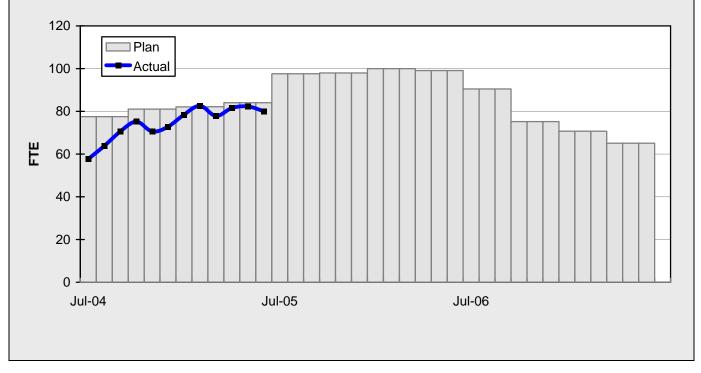
NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MAY 2005.

### STATUS OF FUNDS ANTICIPATED

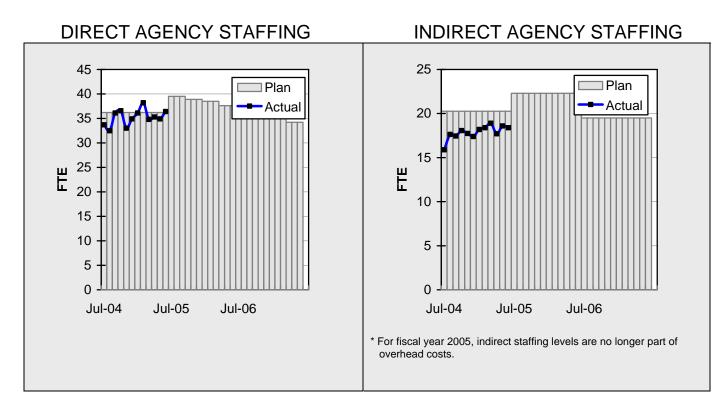
**FEDERAL CMAQ:** The LACMTA submitted a grant amendment application to the FTA on June 2005 for \$9.9 million. Grant approval is expected in September 2005.

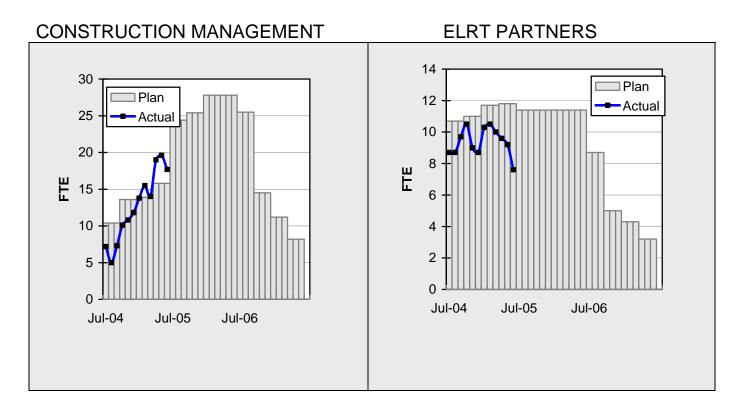
# **STAFFING STATUS**

### TOTAL PROJECT STAFFING









### 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 66 property owners. A total of 56 parcels have been acquired (37 under C0803-Tunnel, 17 under C0803-At-Grade, and 2 under C0802). Real Estate is in negotiations with the other property owners.
- Third Party Administration has obtained two Encroachment Permits from Caltrans for C0803-Tunnel. All three (3) street closures have been obtained from the City of LA.

REAL ES	STATE AC	QUISTIO	N SCHED	ULE SUM	MARY
				Behind	Schedule
Number of Parcels			On Schedule		Avg. Calendar
	Required	Acquired		Number	Days
This Period	69	56	13	0	0
Last Period	69	56	13	0	0

REA	L ESTAT		JS TO DA SITION PHA		ONTRA	СТ	
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	37	0	3	0	0	37*
C0803-At-Grade	27	17	0	9	0	1**	17
C0802	2	2	0	0	0	0	2
TOTAL	69	56	0	12	0	1	56
LAST PERIOD	69	56	0	12	0	1	56

\* Includes 4 properties acquired under condemnation plus 33 escrows that were closed

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

# ENVIRONMENTAL STATUS

- On June 22, 2005, human remains were discovered during excavation activities within the construction easement for the East Portal at the Los Angeles Crematorium site. Additional human remains were uncovered on June 23, 2005. All construction activity at the site was halted pending further research and determinations. The archeological team from Cogstone is evaluating and investigating the site for additional remains.
- Removed contaminated soil from Soto Station.

### COMMUNITY RELATIONS STATUS

- Held project briefings for the Review Advisory Committee, Executive Review Advisory Committee and Ramona Opportunities High School.
- Coordinated installation of extensometers.
- Provided support to 1<sup>st</sup> Annual Art Fest in the Arts District.
- Conducted project alignment tour for German public officials.

## QUALITY ASSURANCE STATUS

- Continued reviewing Welder Qualification Test Records to support decking operations as well as structural steel fabrications at the Ducommun Yard.
- Signet Test Lab continued with verification testing of concrete, soil compaction and nondestructive examination of deck beams. No adverse conditions have been identified to date.
- Conducted an audit of ESLRT's Document Control and Quality Control Inspection Documentation. Two minor findings were issued.
- Toured the Traylor-Shea-Ghazi tunnel liner precast facility in Palmdale, CA with the PMO's Quality representative.

# SAFETY STATUS

- Participated in weekly progress meetings with construction management and ELRTC personnel to discuss safety related issues and construction schedule.
- Participated in Contractor's Tool Box Safety meeting.
- Conducted All Hands Safety Meeting with CM, LAPD and ELRTC safety representatives.
- Monitored construction activities on a daily basis to ensure safety compliance.
- Participated in Third Party Utility Meeting to discuss safety related issues and construction schedule.
- Met with CAL/OSHA regarding C0800 tunneling activities.
- ELRTC reported one (1) restrictive duty incident for the month of June 2005. Project-todate: 317,616 man-hours worked with zero (0) Lost Time and two (2) recordable incidents.

## ART DEVELOPMENT STATUS

- First/Boyle: Construction fence mural, 50% fabrication of artwork in artist's studio.
- First/Soto: Construction fence mural, 10% fabrication of artwork in artist's studio.
- First/Lorena: Construction fence mural, 10% fabrication of artwork in artist's studio.
- Mariachi Plaza Station: Held design development meeting with artist and contractor.
- Soto Station: Held concept design review meeting with artist.
- Little Tokyo Station: Finalized materials and finishes for platform artwork.
- Pico/Aliso Station: Artist presented concept design proposal to Contractor.
- East LA Civic Center Station: Held concept design meeting with artist.

# 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. Caltrans has yet to respond.
LADWP (Water/Power)	Amendment	7/05	*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. Meeting with City Attorney's Office and County Supervisor's Office failed to reach an agreement. LACMTA Management to meet with LADWP Management.
So. Cal. Edison Co.	Amendment	7/05	*6/04	LACMTA is waiting for SCE to submit a re- draft of the proposed amendment. The last call placed with SCE Executive Legal Branch stated on 2/25/05 they have no intention of signing agreement.
The Gas Company	Amendment	Completed	N/A	Executed May 2005.
SBC	Amendment	Completed	N/A	Executed May 2005.
Adelphia Cable Company	Amendment	7/05	*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.
California Water Service Company	Master	Completed	N/A	Executed May 2005.
L.A. County Sanitation Districts	N/A	N/A	N/A	In a letter dated 3/26/03, the Sanitation District stated that there is not a need for an agreement since there are no relocations related to their facilities. The Sanitation District will review submittals related to encasements of their facilities on Indiana Street.
MCI Worldcom	Amendment	Completed	N/A	Executed May 2005.
Metropolitan Water District	Amendment	Completed	N/A	Executed May 2003.

### THIRD PARTY AGREEMENT STATUS (Continued)

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
Verizon Wireless	Amendment	10/05	*6/04	The revised draft amendment was hand delivered to Verizon on 11/19/03 and an electronic copy was sent to them 2/19/04. Verizon did respond with comments, which were reflected in a revised agreement sent 4/05. Verizon legal is completing final review.
AT&T Local Services	Amendment	10/05	*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.
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	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	12/18/02	3/10/03	11/22/02	5/5/03	8/29/2003	Approved
11	Complete	2/13/03	2/27/03	4/18/03	12/6/02	6/6/03	8/29/2003	Approved
12	Complete	2/13/03	2/27/03	4/18/03	12/13/02	6/6/03	9/5/2003	Approved
13	Complete	2/6/03	2/20/03	4/18/03	2/21/03	6/6/03	9/1/2004	
14	Complete	1/8/03	1/15/03	3/14/03	11/12/02	8/29/03	10/30/2003	Approved
15	Complete	2/26/03	N/A	N/A	2/21/03	6/6/03	8/29/2003	Approved
16	Complete	2/26/03	N/A	N/A	2/28/03	6/6/03	8/29/2003	Approved
17	Complete	1/8/03	1/15/03	N/A	2/14/03	5/5/03	6/13/2003	Approved
18	Complete	1/8/03	1/15/03	3/20/03	2/14/03	5/5/03	6/13/2003	Approved
Agency R	esponsible	ELRTP	MTA	ELRP	ELRTP	MTA	MTA	

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

#### SHADED AREAS REPRESENTS COMPLETION

36 applications approved. The final five applications are all grade separated. MTA is providing supplemental information agreed upon with CPUC.

		E	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 / Rowan	15	1st / Santa Fe
			1st / Myers
8	3rd / Gage	16	1st / MTA
	3rd / 60 Fwy WB Ramps		1st / BNSF
	3rd /Downey		1st / Union Pacific
9	3rd / Marianna	17	US 101 Fwy Overcrossing
	3rd / Eastern	18	Commercial Street Overcrossing

# **CONTRACT C0802 STATUS**

Description: 101 Freeway Br	idao Ovororoccina	Contract No.	<u></u>					
Contractor: Brutoco Enginee	Contract No. C0802 Status as of: July 1, 2005							
Progress/Work Completed:		• •		a);				
* Commenced Drainage Systems 6 and 14. * Commenced CIDH piles repair for Bents 2, 4, 6, 7 and Abutment 1.		Major Activities (In Progress): * CIDH piles repair. * Roadway construction. * Drainage systems construction.						
Areas of Concern: None		Major Activiti * Roadway construc * CIDH pile repair. * Construction of ne	ction.					
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	29	07/25/06	07/25/06	0	
Original Contract Duration: Current Contract Duration:	700 CD 729 CD	Milestone 2- Complete All Work	08/23/06	29	09/21/06	09/21/06	0	
Elapsed Time from NTP:	282 CD							
Physical Percent Complete:		Cost Summa	ry:		\$ I	n millic	ons	
Physical completion * as of this reporting p	eriod is: 32.55%	1. Award Value:				6.42		
	2. Executed Modifications: 0.00							
* Note: Physical completion assessment re	3. Approved Change Orders:				0.00			
and invoice amount shown in Caltrans Monthly Progress/ Expense Report		4. Current Contract Value (1+2+3):         6.42           5. Incurred Cost:         1.98						

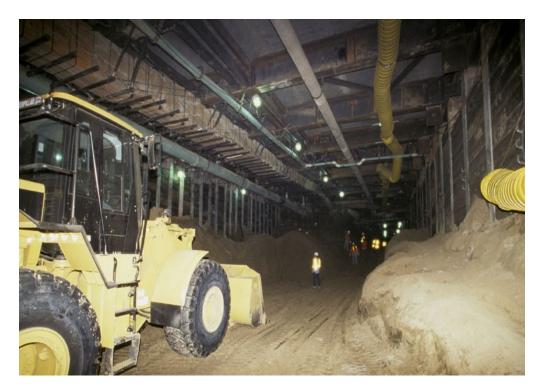
Description: Tunnel, Star Systems	tions, Trackwork &	Contract No.	C0803				
Contractor: Eastside LR	Status as of: July 1, 2005						
Progress/Work Complete	Major Activiti	ies (In F	Progres	s):			
<ul> <li>* Completed Soto Station solider pil</li> <li>* Commenced East Portal Phase-II</li> <li>* Commenced Boyle Station Tie-Ba</li> <li>* Commenced East Portal demolitio</li> <li>* Commenced precast tunnel liner si</li> <li>* Submitted Atlantic Station schema</li> <li>* Submitted Segment-5 initial civil d</li> </ul>	<ul> <li>* Boyle Station 2nd level structure excavation</li> <li>* Soto Station deck beam fabrication</li> <li>* Soto Station, East Portal, and 3rd Street utility relocations</li> <li>* East Portal Phase-II solider pile installation</li> <li>* Permeation grouting at East Portal and Soto Station break-outs</li> <li>* Precast tunnel liner segments manufacturing</li> <li>* Test and shop acceptance of tunnel boring machines</li> <li>* 85% station design for Soto, Pico/Aliso, and Little Tokyo</li> <li>* Schematic designs for East LA Civic Center Station</li> <li>* Initial civil design for Segments 2B, 3B, 3C and 4</li> <li>* Systems 65% design</li> </ul>						
Areas of Concern:		Major Activiti	es Nex	t Period	d:		
None		* Disassembly and * Tunnel liner segm * Soto Station deck * Boyle Station 2nd * East Portal existir * 85% design for So * System 65% desi	bents manu beam fab level struc ng retaining oto Station	ufacturing rication cture excav g wall deme	vation		ening
Schedule Summary:			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
Date of Award:	06/01/04	Notice to Proceed	07/01/04	0	07/01/04	07/01/04	0
Notice to Proceed: Original Contract Duration: Current Contract Duration:	07/01/04 1795 CD 1795 CD	Milestone 1 - Contract Completion. Complete all systems integration testing and ready for MTA's pre-revenue operation testing.	12/31/08	5	01/05/09	01/05/09	0
Elapsed Time from NTP:	366 CD	Milestone 3 - Complete Universal Fare System Equipment area.	04/30/08	5	05/05/08	05/05/08	0
Option D Contract duration	90 CD Complete	Milestone 5 - Vacate all staging areas and turn over to MTA.	05/30/09	0	05/30/09	05/30/09	0
		Milestone 6 - Complete design and construction of Option D work.	09/28/04	0	09/28/04	09/28/04	0
Physical Percent Comple	ete:	Cost Summa	ry:		\$ I	n millio	ons
Physical completion * as of this report * Note: Physical completion assessm		<ol> <li>Award Value:</li> <li>Executed Modif</li> <li>Approved Chan</li> </ol>		:		600.45 0.41 0.00	
and invoice amount.		4. Current Contract Value (1+2+3):         600.86           5. Incurred Cost:         157.54					

### **CONTRACT C0803 STATUS**

# **CONTRACT P2550 STATUS**

Description: 2550 Rail V Contractor: Ansaldobre	Contract No. P2550 Status as of: July 1, 2005						
Progress/Work Complete 1.The first vehicle (701A & B) was ai arrived at the Gold Line Yard on Jun 2. The second vehicle (702A & B) wi 3. The IPT conducts on-going weeki in Los Angeles, New York, Pistoia, a 4. Ansaldobreda engineers attende meetings in Los Angeles in June 200	Major Activities (In Progress): 1. Contractor is in process of completing Milestone Nos. 5A, 6A, 7A, & 8A work. Approximately 98% of this work is completed. However, those four milestone are not not considered as completed with all						
Areas of Concern: 1. Documentation submittals are clo contracted with a consultant to "cat 2. Milestone 5A - Approval of all des of Cab Mock-up, Milestone 7A and M Motors Perf. Tests, are not yet consi approved. These milestones are re- in July 2005.	<ul> <li>Major Activities Next Period:</li> <li>1. LRV 702 A &amp; B will be trucked from Houston to LA.</li> <li>2. The Contractor to provide Mobilization Schedule for the Pittsburg, CA plant.</li> <li>3. Activities will progress toward the delivery and testing in Los Angeles the first two vehicles.</li> <li>4. During this period the IPT will continue closely monitoring and expediting where necessary for all scheduled activities involved in constructing and supporting the 2550 rail vehicle.</li> <li>5. Weekly teleconference meetings have reconvened to monitor technical design completion for the P2550 rail vehicles.</li> </ul>						
Schedule Summary:			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
Date of Award:	04/24/03	Notice to Proceed	06/06/03	0	6/06/03A	6/06/03A	0
Notice to Proceed:	06/06/03	Milestone 1A -	08/08/03	0	12/08/03	10/15/03A	0
Original Contract Duration:	1460 CD	Milestone 2A -	09/05/03	0	11/20/03	12/30/03A	0
Current Contract Duration:	1460 CD	Milestone 3A -	11/07/03	0	01/20/04	12/30/03A	0
Elapsed Time from NTP:	758 CD	Milestone 4A -	01/02/04	0	01/31/04	3/31/04A	0
Option 1 & 2 Contract duration	1460 CD**	Milestone 5A - Appr.dwgs, per Sect.1.13.1Tech Specs	05/07/04	0	05/07/04	08/31/05	481
** after starting options 1 & 2		Milestone 6A - Appr.of Operator Cab Mockup	06/04/04	0	06/04/04	08/31/05	453
Note: MTA issued Modification No. 7 1 is a zero-cost, miscellaneous adm	Milestone 7A - Appr.Carbody stress analysis & C.T. report	11/05/04	0	11/05/04	08/31/05	299	
modification. MTA completed Modif recently granted California Board Of	Milestone 8A - Appr.of Traction Motors Perf. Tests	11/05/04	0	11/05/04	08/31/05	299	
Sales Tax on the Light Rail Vehicles	i.	Milestone 9A - Appr.of Final Op. Hazard Analysis	02/04/05	0	02/04/05	08/31/05	208
		Milestone 10A - Deliver Draft Op.Maint.H. Repair Manuals Milestone 11A - Appr.of Op.	02/11/05	0	02/11/05	08/31/05	201
		Training Program	04/08/05	0	04/08/05	08/31/05	145
		Milestone 14A - Acceptance of two First Article Vehicles	12/02/05	0	12/02/05	12/02/05	0
Physical Percent Comple	Cost Summary: \$ In millions						
Dhypical completion * or -f	upa 2005 ia 40%	1. Award Value:		<b>54</b> )		400.00	
Physical completion * as of June 2005 is 49%		Pasadena (Proj. No.: 800151)				126.99	
	Eastside Ext. (Proj. No.: 800088)				31.75		
				I otal Aw	ard Value	158.74	
* Natas Dhuaia di sussi si di		2 Executed Modifications 0.00					
* Note: Physical completion a					0.00		
completed and invoiced plus	4 Current Contract Value (1 + 2 + 3): 158.74						
	5 Pending Changes: (None)				0.00		
		6 Incurred Cost: 36.64					

### **CONSTRUCTION PHOTOGRAPHS**

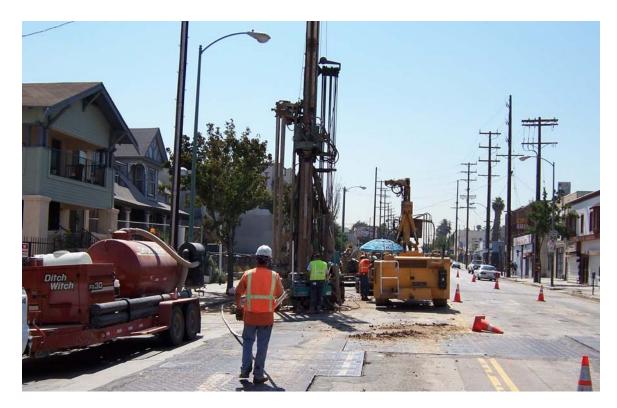


Boyle Heights/Mariachi Plaza Station Excavation.



Widening of 1<sup>st</sup> Street at East Portal.

### **CONSTRUCTION PHOTOGRAPHS**



Grouting Activities at 1<sup>st</sup> and Soto Streets.



US 101 Freeway Bridge Overcrossing Column Rebar Cages.

### 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.

# LIST OF ACRONYMS

AFE ATC CADD CALTRANS CD CM CMAC CN CO CNFPA CPUC CR CTC CUD DB DBB DD DC DOT DBB DBB DD DOT DVP EIR EIS EPBM ESP FAR FD FEIS FEIR FFGA FIS FSEIR FSEIS FSEIR FSEIS FTA	Authorization For Expenditure 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 Development Department of Transportation 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 Report Final Environmental Impact Report Final Supplemental Environmental Impact Report Final Supplemental Environmental Impact Report Final Supplemental Environmental Impact Statement Final Supplemental Environmental Impact Report Final Supplemental Environmental Impact Report Final Supplemental Environmental Impact Statement Final Supplemental Environmental Impact Report Final Supplemental Environmental Impact Report Final Supplemental Environmental Impact Statement Final Supplemental Environmental Impact Report Final Supplemental Environmental Impact Statement Final Supplemental Environmental Impact Statement
FTA	Federal Transit Administration
FTE GDSR	Full Time Equivalent Geotechnical Design Summary Report
IFB	Invitation for Bid
IPO	Integrated Project Office
JV	Joint Venture
	Los Angeles
LABOE LACFCD	Los Angeles Bureau of Engineering Los Angeles County Flood Control District
LACHTA	<b>o ,</b>
LADOT	Los Angeles County Metropolitan Transportation Authority Los Angeles Department of Transportation

# LIST OF ACRONYMS (Continued)

LADPW LADWP LAUSD LAUSD LNTP LONP LRT LRV MIS MPSR N/A NEPA NPDES NTE NTP OCIP P3 PC PE PEER PGL PIP PM PMA PMIP PMA PMIP PMA PMIP PMA PMIP PMA PMIP PSR QA QAR QC QPSR RAC RAG 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 Report Quality Assurance Report Review Advisory Committee Rail Activation Group Request For Change Request For Change Request For Proposal Record Of Decision Revenue Operations Date Devenue Operations Date Devenue Operations Date
ROM	Rough Order of Magnitude

# LIST OF ACRONYMS (Continued)

ROW SCAQMD SCE SCRRA SHA SHPO SIT SOV SOW SP STIP STP TBD TBM TCRP TPSS TRACS UFS USDOT VE	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
	U.S. Department Of Transportation
VE WBS	Value Engineering Work Breakdown Structure
WP	Work Package