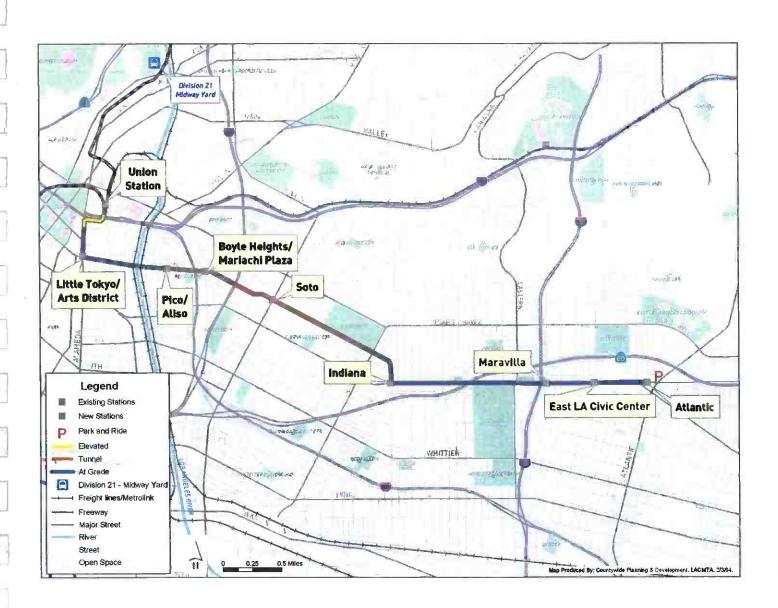
MONTHLY PROJECT STATUS REPORT

# Metro Gold Line Eastside Extension

April 2004





# METRO GOLD LINE EASTSIDE EXTENSION

# MONTHLY PROJECT STATUS REPORT

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

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#### **PROJECT OVERVIEW**

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

The Federal Transit Administration (FTA) submitted the Full Funding Grant Agreement (FFGA) documents to Congress on April 2, 2004 for their 60-calendar day review. The 60-day Congressional review concludes on June 1, 2004. Therefore, a contract award is planned to occur on June 2, 2004 and the construction NTP would occur in late June 2004. Based on these assumptions, the planned ROD is forecasted for July 2009.

Advanced utility relocations are underway by The Gas Company, SBC, Los Angeles Department of Water and Power (Power), and City of Los Angeles ITA. Adelphia Cable has completed all relocation work at all locations. All relocation work has completed at the Soto Station site. The remaining utility relocations will complete by June 15, 2004.

Thirty-four of the 42 grade crossing applications have been submitted to the California Public Utilities Commission (CPUC) for review. Of the 34 grade crossings, 24 have been approved.

#### **MANAGEMENT ISSUES**

New Item (Date Initiated: October 2003)

FEDERAL TRANSIT ADMINISTRATION (FTA) EXECUTION OF THE FULL FUNDING GRANT AGGREEMENT (FFGA)

#### Concern/Impact

MTA is not able to issue Notice to Proceed's (NTP's) for the construction contracts without receiving a fully executed FFGA and the construction bid validity date will expire on June 2, 2004 for Contract C0803. The forecasted Project Revenue Operations Date is directly related to the FFGA execution date.

#### Status/Action

The plan is to have the FFGA executed by June 2, 2004 prior to the construction bids expiring.

#### **PROJECT SCOPE**

Contract C0802 – 101 Freeway Bridge Overcrossing: The construction of the bridge has been combined with Caltrans freeway improvements project. While Caltrans will advertise and administer the construction, MTA will remain responsible for the design and construction costs of the bridge overcrossing.

Pico/Aliso

Little Tokyo /

Arts District

the 1.7 mile tunnel segment includes tunnel excavation using two Earth Pressure Balance Machines (EPBM) type, excavation of cross passages, concreting of the tunnels and cross passages, and the east and west portals construction.

Station excavation of the two underground stations, Boyle Heights/Mariachi Plaza and So include drilling, placing and concreting the solo piles that line the perimeter of the station box to the station of the station of the station box to the station of the station of the station box to the station of t

Boyle Heights /

Mariachi Plaza

stations, Boyle Heights/Mariachi Plaza and Soto, include drilling, placing and concreting the soldier piles that line the perimeter of the station box to be excavated. Construction also includes street decking. Boyle Heights/Mariachi Plaza will be the staging area for assembling the TBMs and all excavated materials will be removed from this location.

Atlantic

East LA Civic Center

Maravilla

Contract C0803 - Tunnel and Station

Excavation (Design/Bid/Build): Construction of

Contract C0803 - Stations, Trackwork, and Systems (Design/Build): Construction of the two underground stations includes structural walls, station platforms, mezzanines, station entrances, and plazas, architectural finishes and all related mechanical and electrical work.

Construction of the six-mile alignment includes six at-grade stations, trackwork installation and testing for the entire alignment.

Indiana

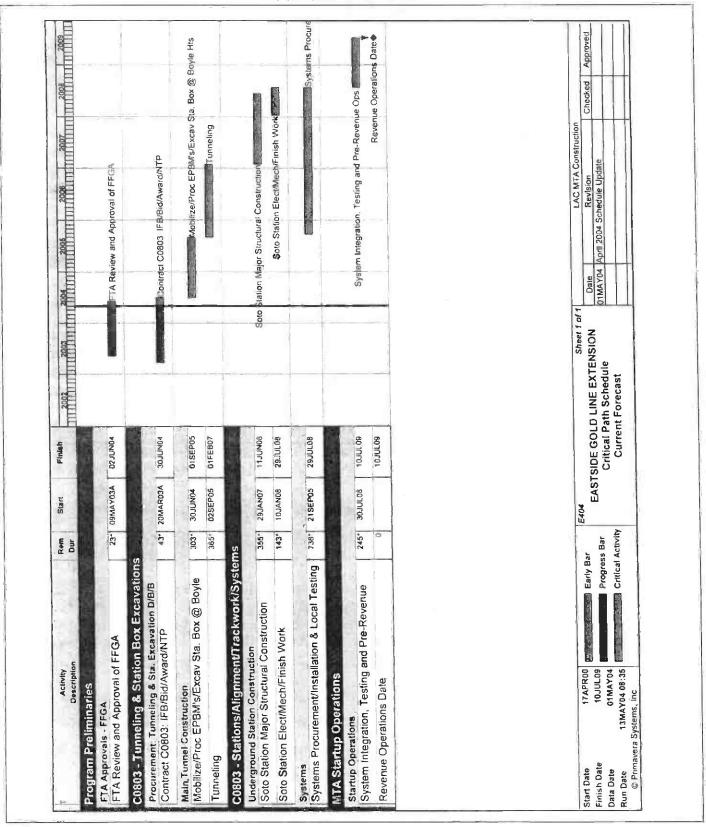
Systems installation and testing is inclusive of power systems, automatic train control, fire and emergency management, TRACS and communications systems. The contractor will be responsible for systems integration testing for the entire line segment prior to pre-revenue operations.

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

<u> </u>			<del></del>				
	Milestone Date	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04
Notification of Award to MTA Board (Contract C0803)	4/22/04	•					
Final Package Submittal to CPUC: Grade Crossings (Batches: 8 & 13)	5/14/04*		•				
US-101 Freeway Improvements & Overcrossing (C0802): Bid Advertisement by Caltrans	5/24/04*		Δ				
Congressional FFGA Review Completes	6/1/04*			FTA			
FTA Executes FFGA	6/2/04*			FTA			
MTA Awards Contract C0803	6/2/04			•		_	
Completion of Advanced Utility Relocations	6/15/04*			•			
MTA Reviews and Approves Bonds & Insurance (Contract C0803)	6/30/04			•			
MTA Issues Construction Notice To Proceed (Contract C0803)	6/30/04			•			
C0803 Contractor Commences Procurement of Tunnel Boring Machines	6/30/04			•			
US-101 Freeway Improvements & Overcrossing (C0802): Contract Award by Caltrans	8/9/04*					Δ	
US-101 Freeway Improvements & Overcrossing (C0802): Notice to Proceed by Caltrans	8/23/04*					Δ	

<b>♦</b>	MTA Staff Milestone	0	Eastside LRT Partners Deliverables	FTA	FTA Approval
Δ	Other Agencies	*	New Date	Metro	MTA Board Approval

# PROJECT MASTER SCHEDULE CRITICAL PATH



#### CRITICAL PATH NARRATIVE

The critical path for construction begins with contract award and contract Notice to Proceed (NTP) and ends with the Revenue Operations Date (ROD). MTA has concluded the bid evaluation process of Contract C0803 and MTA staff has made the recommendation for award to the Chief Executive Officer.

The Federal Transit Administration (FTA) submitted the Full Funding Grant Agreement (FFGA documents to Congress on April 2, 2004 for their 60-calendar day review. The 60-day Congressional review concludes on June 1, 2004. Therefore, a contract award is planned to occur on June 2, 2004 and the construction NTP would occur in late June 2004. Based on these assumptions, the planned ROD is forecasted to occur in July 2009.

Upon the issuance of Notice To Proceed, there will be a 13-month lead time for the procurement of two Earth Pressure Balance Machines (EPBMs). Concurrent with the EPBM procurement, the project will proceed with mobilization, pile installation, and station box excavations. The station box excavations are scheduled to complete prior to EPBMs delivery.

The critical path continues with EPBMs assemblies, excavation of both tunnels, excavation of crosspassages, and tunnel invert and walkway construction. The critical path then follows Soto underground station construction. The systems equipment installation and local facilities testing is the last stage of the critical path prior to entering the final test stage where systems integration testing and pre-revenue operations are conducted.

# **PROJECT COST STATUS**

	Previous	Current	-		
Description	Forecast	Forecast	Variance	Commitments	Expenditures
Guideways	400.6	400.6	0.0	0.0	0.0
Yards & Shops	3.0	3.0	0.0	0.0	0.0
Systems/Equipment	77.3	77.3	0.0	0.0	0.0
Stations	116.6	116.6	0.0	0.0	0.0
Vehicles	31.7	31.7	0.0	31.7	0.0
Special Conditions	19.8	19.8	0.0	13.1	2.0
Right-of-Way	35.7	35.7	0.0	51.0	22.9
Professional Services	135.3	135.3	0.0	66.0	54.4
Contingency	60.3	60.3	0.0	0.0	0.0
Project Revenue	0.0	0.0	0.0	0.0	0.0
TOTAL	880.4	880.4	0.0	161.8	79.2

COST BY ELEMENT / LINE ITEM

\$ IN THOUSANDS

#### **PROJECT COST STATUS**

28,701 7,040 35,741 4,559 24,228 92,153 31,748 31,748 2,900 11,736 3,122 1,050 1,036 63,558 39,856 16,897 135,304 8,246 673 60,254 222,372 3,000 14,994 45,311 6,024 880,414 TO DATE CURRENT FORECAST PERIOD 682 1,264 2,000 21,200 1,664 22,864 16,533 32,206 5,624 54,384 (12) 3 79,233 53 TO DATE EXPENDITURES 13 (12) (0) (0) **664** 833 594 186 1,613 2,276 657 PERIOD 1,360 13,102 48,814 2,157 50,971 19,745 35,002 1,909 9,350 66,006 161,826 31,748 377 TO DATE COMMITMENTS 119 119 119 TO DATE CURRENT BUDGET ORIGINAL BUDGET TOTAL ELEMENT TOTAL - V VEHICLES ELEMENT TOTAL - Y YARD AND SHOPS ELEMENT TOTAL . ST STATIONS ELEMENT TOTAL - SC SPECIAL CONDITIONS ELEMENT TOTAL - P PROFESSIONAL SERVICES ELEMENT TOTAL - A PROJECT REVENUE ELEMENT TOTAL - G GUIDEWAYS ELEMENT TOTAL - R RIGHT-OF-WAY ELEMENT TOTAL . C PROJECT CONTINGENCY ELEMENT TOTAL - S SYSTEMS / EQUIPMENT MTA SYSTEMS INTEGRATION OVERSIGHT/PRE-REV OPS MAINTENANCE FACILITY & YARD MODIFICATIONS AGENCY - MTA PROJECT ADMINISTRATION 101 FREEWAY BRIDGE OVERCROSSING LAUSD RAMONA HS RELOCATION PLAN 10 - LRT VEHICLES (INCLUDING PARTS) UTILITY/AGENCY FORCE ACCOUNTS DESCRIPTION OTHER PROFESSIONAL SERVICES CONSTRUCTION MANAGEMENT ENVIRONMENTAL MITIGATION STATIONS (MISCELLANEOUS) TICKET VENDING MACHINES PROFESSIONAL SERVICES SYSTEMS / EQUIPMENT C0801/C0803 STIPENDS STATION EXCAVATION DESIGN ENGINEERING SPECIAL CONDITIONS CDNSTRUCTION ART PROGRAM REAL ESTATE REAL ESTATE TUNNELING AT-GRADE STATIONS PROJECT LINE 9 2 03 2 2 5 \$ 82 22 23 25 32 33 9 5 80 81 82 83 8

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MARCH 2004

# **CHANGE CONTROL STATUS**

	<u>A</u>		В		С	D=A+B+C		E	F=D+E	
			Approved		_	Obligated	Potentia			
Description	Award Amount	Execu	ted Changes	LN	TPs (NTE)	Total Approved Amount	rr i Pendina i		Total Potential Value	
		#	\$	#	\$		#	\$		
Engineering Design Services	18,929,502	12	15,669,538	0	0	34,599,040	0	0	34,599,040	
Environmental Services	936,940	6	394,972	2	8,000	1,339,912	3	148,697	1,488,609	
Design/Build Advisory Panel Services	1,059,840	0	0	0	0	1,059,840	0	0	1,059,840	
Construction Management Support Services	26,598	0	0	0	0	26,598	0	0	26,598	
Project Management Assistance Support	166,366	7	3,256,556	0	0	3,422,922	0	0	3,422,922	
Vehicles Consultant	1,717,707	0	0	0	0	1,717,707	0	0	1,717,707	
Light Rail Vehicles Acquisition	31,747,734	0	0	0	0	31,747,734	0	0	31,747,734	
TOTAL	54,584,687	25	19,321,066	2	8,000	73,913,753	3	148,697	74,062,45	

#### FINANCIAL/GRANT STATUS

#### APRIL 2004

#### STATUS OF FUNDS BY SOURCE

							in \$ million:	S
	(B)	(C)	(D)	(D/B)	(E)	(E/B)	(F)	(F/B)
	TOTAL	TOTAL.	COMMITM	ENTS	EXPENDIT	URES	BILLED to I	UNDING
SOURCE	FUNDS	FUNDS					SOURC	Œ
	ANTICIPATED	AVAILABLE	\$	%	\$	%	\$	%
FEDERAL - SECTION 5309 NEW START	490.7	17.3	83.8	17%	15.6	3%	15.6	3%
FED - SECTION 5309 FIXED GUIDEWAY	23.1			0%		0%		0%
				7,0		0,0		0,0
FEDERAL - CMAQ	10.3			0%		0%		0%
REGIONAL IMPROVMNT PROG-FED	179.6	4.6	30.7	17%	4.6	3%	4.6	3%
NEGIO VAE IIVII NOVIVII II PROG I ED	175.0	4.0	30.7	17 70	4.0	3/6	4.0	376
REGIONAL IMPROVM PROG-STATE	0.6	0.6	0.6	100%	0.6	100%	0.6	100%
STATE TORP	45.0	45.0	45.0	100%	45.0	100%	45.0	100%
I STATE TOW	10.0	ان.ن	40.0	10076	<b>40</b> .0	10076	40.0	10078
PROP A 35% / PROP C 40% BONDS	121.0	1.8	1.8	1%	1.8	1%	1.8	1%
LEASE REVENUES	10.1			0%		0%		0%
						0,0		0,0
UNBILLED ACCRUALS		11.7			11.7			
			-					
SUB-TOTAL	880.4	80.9	161.8	18%	79.2	9%	67.5	8%
PROP A/PROP C (INTEREST COST)	18.4	0.0	0.0	0%	0.0	0%	0.0	0%
	_					_		
TOTAL	898.8	80.9	161.8	18%	79.2	9%	67.5	8%

Based on August 03 Adopted Short Range Transportation Plan (includes interest cost)
 NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MARCH 2004.

#### STATUS OF FUNDS ANTICIPATED

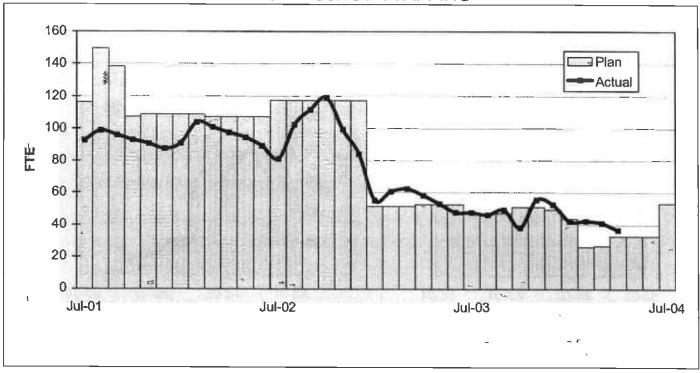
**FEDERAL SECTION 5309:** MTA submitted a grant amendment application CA-03-0508-04 for \$3,934,330 on April 18, 2003. Funds were available for draw down as of June 2003.

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

On August 25, 2003, MTA submitted a request for AB1335 Letter of No Prejudice (LONP) authority for Phase 4 construction activities. The LONP is scheduled for approval at the May 2004 CTC Meeting.

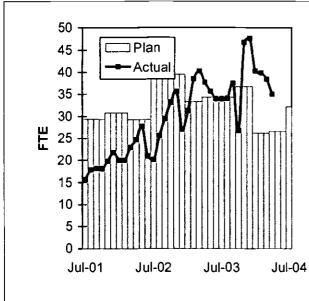
# **STAFFING STATUS**

# TOTAL PROJECT STAFFING



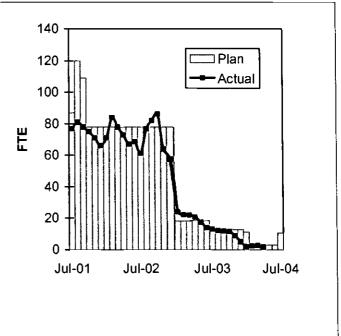
#### **STAFFING STATUS**

#### **AGENCY STAFFING**

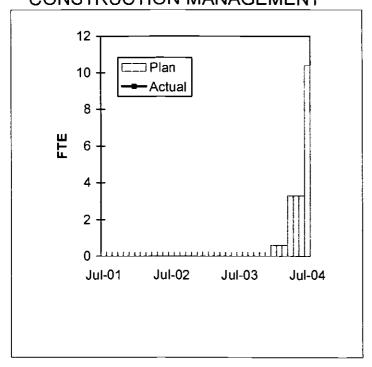


Although the actual agency staffing level is above the plan, MTA Project Management has reviewed the agency labor charges for the past few months and will consider labor adjustments as required, to conform to the plan.

#### **ELRT PARTNERS**



#### **CONSTRUCTION MANAGEMENT**



#### **REAL ESTATE STATUS**

- For C0803, the tunnel portion of the alignment, 41 parcels are required for acquisition (10 full takes, 16 sub-surface easements, 8 part takes, 5 sub-surface easements/building protection, and 2 building protections).
- For C0803, the at-grade portion of the alignment, 25 parcels are required for acquisition (18 full takes and 7 partial takes). Nine parcels have been identified for the proposed Ramona High School site reconfiguration.
- For C0802, 3 parcels are required (2 surface easements and 1 full take parcel).
- Sixty-seven parcels have been certified, 40 for C0803-Tunnel, 25 for C0803-At-Grade and 2 for C0802. Offers have been made to 34 property owners. A total of 20 parcels have been acquired (11 under C0803-Tunnel, 8 under C0803-At-Grade, and 1 under C0802). Three parcels are in condemnation and Real Estate is in negotiations with the other property owners.
- Third Party Administration is working with Caltrans in obtaining 4 Encroachment Permits (two for C0803 Tunnel and two for C0803 At-Grade). Three (3) street vacations and two (2) access closures are also being processed with the City of LA.

#### **REAL ESTATE ACQUISTION SCHEDULE SUMMARY**

			}	Behind	Schedule
Number of			On		Avg.
Parcels			Schedule		Calendar
	Required	Acquired		Number	Days
This Period	69	20	49	0	0
Last Period	69	18	51	0	0

# REAL ESTATE STATUS TO DATE BY CONTRACT ACQUISITION PHASE

CONTRACT NO.	Number of Parcels	Agreements Signed	Parcels in Condemnation	Under Negotiation	In Appraisal Process	Inactive Parcels	Parcels Available
C0803-Turnel	41	11	2	4	* 24	0	11
C0803-At-Grade	25	8	1	7	0	** 9	8
C0802	3	1	0	2	0	0	1
TOTAL	69	20	3	13	24	9	20
LAST PERIOD	69	18	5	13	24	9	18

<sup>\*</sup> Subsurface easements/building protection

<sup>\*\*</sup> Alma parcels for LAUSD Ramona High School; pending completion of CEQA process (need date 6/1/05)

#### **ENVIRONMENTAL STATUS**

- Industrial Waste Water Permit from the City of Los Angeles has been written by the City of Los Angeles.
- NPDES activity report was delivered to the RWQCB.
- · Prepared Quarterly Mitigation Monitoring Report for submittal to FTA,

#### **COMMUNITY RELATIONS STATUS**

- Coordinated public outreach events with community representatives to facilitate interest in the Metro Gold Line Eastside Project.
- Continued Community Relation Field Office setup in preparation of construction.
- Notified the public on advanced utility relocation activities in Boyle Heights.

#### **QUALITY ASSURANCE STATUS**

- Monitored utility relocations with field visits and reporting. Issues of concern are immediately coordinated with Third Party and the progress of work continues to be documented in periodic Quality Surveillance Reports complete with photographs.
- Completed Construction Division Inspection Instruction (CDII) revision. Documents are undergoing final review and issuance.
- In meetings with Contractor, comments were provided/coordinated with Contractor representatives to facilitate completion of a Project Quality Manual and Procedures sufficient to support initial (Design/Bid/Build) Scope of Work only. Contractor to separately develop plans for the design and construction of (Design/Build) Scope of Work.

#### **SAFETY STATUS**

- Participated in weekly progress meetings with Utility Contractor to discuss safety related issues and utility relocation schedule.
- Monitored utility relocation activities to ensure safety compliance.
- Participated in bi-weekly MTA management staff progress meeting.
- Met with the Eastside LRT Contractor to review Cal-OSHA Gassy Reclassification Proposal.

# THIRD PARTY AGREEMENT STATUS

		71171	SKEEWIEN	11 017(100
Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
City of Los Angeles	Amendment	Complete	N/A	Fully executed on 12/23/02.
Los Angeles County	Master	Complete	N/A	Execution completed 4/1/03.
Caltrans (All	Master	Complete	N/A	MTA execution completed 5/7/03. Caltrans
Projects)	····asici	Complete	14,71	full execution occurred in July 2003.
Caltrans (101)	Design	Complete	N/A	MTA execution completed by 5/7/03. Caltrans full execution occurred in July 2003.
Caltrans (101)	Construction	Complete	N/A	MTA execution completed 6/16/03. Caltrans full execution occurred in September 2003.
Caltrans (101)	Maintenance	10/04	6/07	Initial negotiation meeting on 1/9/03 resulted in MTA's recommendation to use the existing agreement with a similar San Diego system. The San Diego agreement was forwarded to MTA on 1/29/03. MTA received a draft from Caltrans on 4/10/03. Agreement was returned to Caltrans on 4/22/03 with comments. After a negotiation meeting on 7/29/03, a draft agreement by Caltrans was received on 1/22/04 but contained none of the previous comments.
LADWP (Water)	Amendment	5/04	6/04	A redraft was sent 2/19/04 and was discussed in 3/8/04 and 3/12/04 meetings. Additional meetings were held on 4/8/04 and 4/9/04 to complete review and necessary changes to "Deadlines and Delays." Alternative language acceptable to both parties was agreed to on 4/29/04 and is incorporated into the document. The document will be forwarded to DWP by 5/6/04.
LADWP (Power)	Amendment	5/04	6/04	A redraft was sent 2/19/04 and was discussed in 3/8/04 and 3/12/04 meetings. Additional meetings were held on 4/8/04 and 4/9/04 to complete review and necessary changes to "Deadlines and Delays." Alternative language acceptable to both parties was agreed to on 4/29/04 and is incorporated into the document. The document will be forwarded to DWP by 5/6/04.
So. Cal. Edison Co.	Amendment	5/04	6/04	The proposed agreement was not acceptable to SCE. A sense of urgency was instilled to SCE in 3/17/04 meeting. A revised draft amendment was agreed upon in 4/12/04 meeting and was forwarded to SCE on 4/15/04 for review.

# **THIRD PARTY AGREEMENT STATUS (Continued)**

				, ,
Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
The Gas Company	Amendment	5/04	6/04	A redraft prepared by the Gas Co. was review by MTA on 4/9/04 and a revised document was sent to the Gas Co. on 4/19/04 for final review and execution.  Another draft was submitted by the County Counsel on 4/29/04 and sent to the Gas Co. for execution.
SBC	Amendment	5/04	6/04	A redraft was sent 2/19/04 and was agreed upon in 3/26/04 meeting with an exception of the use of D/B in the agreement. MTA reviewed and completed necessary changes on 4/9/04 and forwarded the revised document to SBC on 4/22/04 for final review and execution. SBC is set to strike on 5/8/04, which may have an impact to its execution.
Adelphia Cable Company	Amendment	5/04	6/04	A meeting is being arranged to discuss the revised amendment.
California Water Service Company	Master	5/04	6/04	Cal Water could not agree with the use of D/B in the agreement. MTA responded in a letter that they are responsible to MTA. A draft was sent to Cal Water on 3/15. Received minor comments on 4/22/04 and forwarded it to legal for review. If comments can be incorporated, a final draft will be sent for execution.
L.A.County Sanitation Districts	N/A	Complete	6/04	Sanitation District letter dated 3/26/03 stated no need for an agreement since there are no relocations necessarily related to their facilities. They will review the submittals related to encasement for their facility on Indiana Street.
MCI Worldcom	Amendment	5/04	6/04	An amendment to the previous agreement was produced, discussed and agreed upon on most items. MTA completed the review and necessary changes made by MCI and sent a revised document to MCI on 4/19/04 for final review and execution.
Metropolitan Water District	Amendment	Complete	6/04	1/7/03 meeting resulted in using the existing agreement. A letter was sent to MWD on 4/1/03 for their concurrence. Concurrence was executed by MWD on 4/21/03.
Verizon Wireless	Amendment	5/04	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 will respond in the 2 <sup>nd</sup> week of May.
AT&T Local Services	Amendment	5/04	6/04	A previous draft amendment will be sent to AT&T on 3/1/04. Legal review is still underway.

# THIRD PARTY AGREEMENT STATUS (Continued)

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
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 Refini∩g 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
Quest-SP Telecom	N/A			Facilities are not impacted by Eastside Construction

#### **CPUC CROSSING SUMMARY**

Batch	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
*, W * *	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	Completed	12/14/02	1/15/03	1/29/03	11/13/02	5/5/03	6/18/2003	
4A	Completed	1/24/03	1/29/03	3/14/03	2/7/03	9/5/03	1/23/2004	
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	
8	In Progress	11/26/02	12/18/02	3/31/03	11/15/02	6/6/03	5/14/2004	
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	In Progress	2/6/03	2/20/03	4/18/03	2/21/03	6/6/03	5/14/2004	
14	Completed	1/8/03	1/15/03	3/14/03	11/12/02	8/29/03	10/30/2003	li .
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	
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 Respon	sible	ELRTP	MTA	ELRP	ELRTP	MTA	MTA	

Batch No. 5 is removed now as the Midway Yard will be utilized.

County and Caltrans have resolved issue for the garde-separated Batch No's 8 and 13. Further discussions regarding curb height will occur during final design.

#### SHADED AREAS REPRESENTS COMPLETION

24 applications approved, 10 under review, 8 to be submitted of which 6 are related to grade separated crossings.

	Batch Description	ons			
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	l	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		
	Gleason		3rd / 60 Fwy over ELRT		
6	1st / Mission	1	3rd / 710 Fwy SW Connector		
	1st / Anderson		3rd / Bridge over 710 Fwy		
	1st / Clarence		3rd / 710 Fwy SE Connector		
	1st / Utah	14	Union Station Service Road		
	1st/Gless Pedestrian Crossing	15	1st / Santa Fe		
7	3rd / Ditman		1st / Myers		
	3rd / Rowan	16	1st / MTA		
8	3rd / Gage	]	1st / BNSF		
	3rd / 60 Fwy WB Ramps		1st / Union Pacific		
	3rd /Downey	17	US 101 Fwy Overcrossing		
9	3rd / Marianna	18	Commercial Street Overcrossing		
	3rd / Eastern				

# FFGA APPLICATION DOCUMENT CHECKLIST SUPPORTING DOCUMENTS

DOCUMENT	AGENCY	STATUS/COMMENTS	
Value Engineering	MTA	Complete.	
Record of Decision/FONSI	FTA	Complete.	
Quality Management Plan	MTA	FTA approved for current stage.	
FSTIP Approval	SCAG	Complete. Included in 10/4/02 FSTIPs.	
Annual Certifications/ Assurances	МТА	Complete.	
Financing Plan	МТА	Complete.	
Rail Fleet Management Plan	MTA	Revised plan to submitted to FTA.	
Bus Fleet Management Plan	МТА	FTA approved for current stage. Revised plan to be submitted to FTA.	
Real Estate Acquisition Plan	MTA	FTA approved plan.	
Submit System Safety Program Plan to CPUC	MTA	Revised plan was submitted to the CPUC and finalized.	
Department of Labor (13c) Certification	DOL	Complete.	
Civil Rights Program Review	FTA	Complete.	
Before and After Study Plan	MTA	Complete.	
Risk Assessment	МТА	Complete.	
Spot Report (as needed)	FMO/PMOC	Final PMO Spot Report issued on 9/23/03 ar Final FMO Spot Report issued on 9/24/03. Updated financial information submitted to F Revised final FMO Spot Report issued. Revised final PMO Spot Report issued.	
Project Management Plan	MTA	FTA approved plan for inclusion in FFGA.	
Interagency Agreements including CPUC Oversight (MOU)	MTA	Revisions to existing agreements in progress.	
Environmental Permits & Biological Determination	TBD	TBD if needed.	

# **FFGA APPLICATION DOCUMENTS**

DOCUMENT	AGENCY	STATUS/COMMENTS  Final Part 1 sent to Region IX.			
Part I – Full Funding Grant Agreement	FTA				
Attachment 1 – Scope of Project	MTA	Revised version submitted to FTA HQ incorporating BAFO results.			
Attachment 1A – Project Map	МТА	Revised version submitted to FTA HQ incorporating BAFO results.			
Attachment 2 – Project Description	MTA	Revised version submitted to FTA HQ incorporating BAFO results.			
Attachment 3 – Baseline Cost Estimate	MTA	Revised version submitted to F1 HQ incorporating BAFO results.			
Attachment 3A – Project Budget	MTA	Revised version submitted to FTA HQ incorporating BAFO results.			
Attachment 4 – Baseline Schedule	MTA	Revised version submitted to FTA HQ incorporating BAFO results.			
Attachment 5 – Schedule of Prior Grants and Related Documents	MTA	Revised version submitted to FTA HQ incorporating BAFO results.			
Attachment 6 – Schedule of Capital New Starts Funds	MTA	Revised version submitted to FTA HQ incorporating BAFO results.			
Attachment 7 – Measures to Mitigate Environmental Impacts	MTA	Revised version submitted to FTA HQ incorporating BAFO results.			
Attachment 8 – Before and After Study	MTA	Revised version submitted to FTA HQ incorporating BAFO results.			
Region IX to HQ FFGA Recommendation Memo	FTA	Complete.			
Submittal of paper grant application (5309) and TEAM application (Part II – FFGA included)	MTA	TEAM applications CA-90-Y056-01 and CA-03-0508-05 submitted for FTA approval. CA-03-0661 pending TEAM submission.			

# FFGA EXECUTION PROCESS

DOCUMENT	AGENCY	TARGET DATE	STATUS/COMMENTS
FTA letter to Congress	FTA	4/2/04	Complete.
Congressional Review	Congress	4/2/04- 6/1/04	
FTA Approval Letter to Grantee	FTA	6/2/04	
Review/Execution of FFGA	FTA	6/2/04	

#### **CONTRACT P2550 STATUS**

Description: 2550 Rail Vehicle Program Contractor: Ansaldobreda, Italy

#### Progress/Work Completed:

In April, the Metro 2550 Integrated Project Team (IPT) continued to review Contractor Design submittals with Ansaldobreda in Italy, Belgium, and the Czech Republic. The following was completed:

- 1. The Vehicle Body Design Review was conducted in Pistoia, Italy by the 2550 IPT.
- 2. The Operators Cab Configuration Design Review was conducted in Pistoia, Italy by the 2550 IPT.
- 3. The Propulsion System Design Review was conducted in Naples, Italy by the 2550 IPT.
- 4. The Car Shell & Trucks Finite Element Analysis & Modeling Review was conducted in Italy by the 2550 IPT.
- 5. The HVAC Subcontractor Site Review was conducted in the Czech Republic by the 2550 IPT.
- 5. The Drive Gear Box Subcontractor Site Review was conducted in Belgium the 2550 IPT.

#### Areas of Concern:

none

Contract No. P2550 Project: 800151 Status as of: April 30, 2004

#### Major Activities (In Progress):

Contractor continued the Milestone 5A & 6A work.

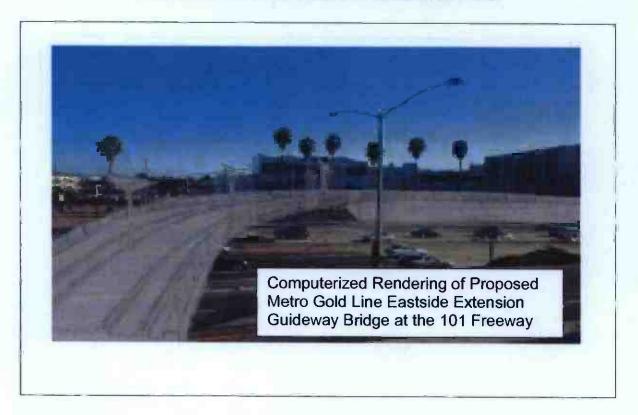
#### Major Activities Next Period:

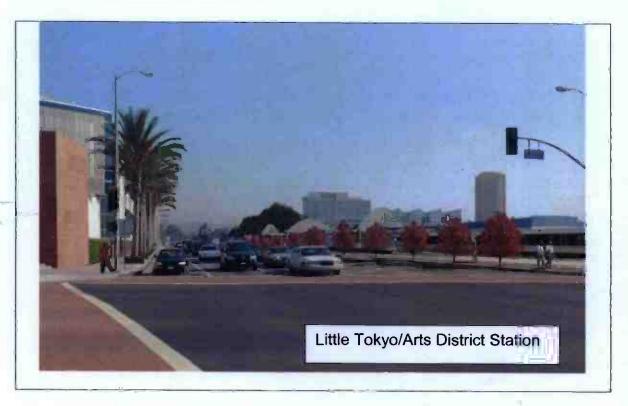
Contractor will invoice for Contract Milestone 4A in May 2004 In addition to a general Program Progress Review, the IPT will conduct of Design Reviews in Los Angeles for these subassemblies:

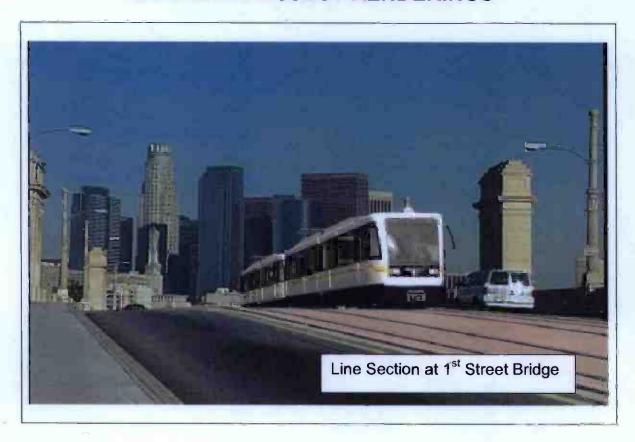
- 1. TWC Tests on the 3 existing rail lines.
- 2. Design Review for TWC.
- 3. Design Review for ATP.
- 4. Review of Test Procedures.
- Design of Interior Lighting.

Weekly teleconference meetings continue to monitor technical design and production development of the 2550 rail vehicles.

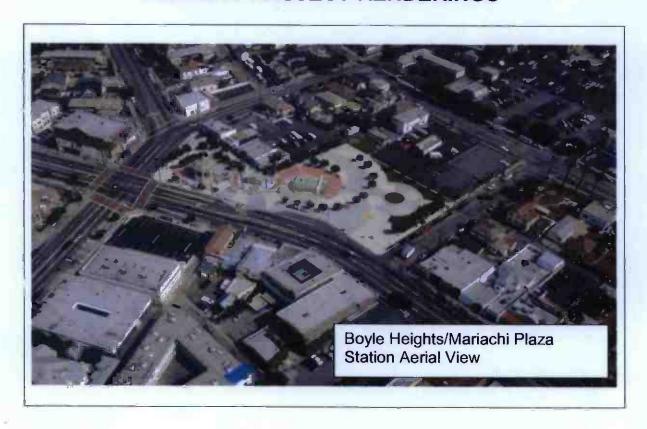
Schedule Summary			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
Date of Award:	04/24/03	Notice to Proceed	06/06/03	0	6/06/03A	6/06/03A	0
Notice to Proceed:	06/06/03	Milestone 1A - Approval of	08/08/03	o	12/08/03	10/15/03A	0
Original Contract Duration:	1460 CD	Eng.Production Plan					
Current Contract Duration:	1460 CD	Milestone 2A - Appr.of Contr.Prelim.	09/05/03		11/20/03	12/30/03A	0
Elapsed Time from NTP:	357 CD	13 weeks schedule					
Option 1 & 2 Contract duration	1460 CD**	Milestone 3A - Approval of vehicle cross-section dwgs	11/07/03	0	01/20/04	12/30/03A	0
** after starting options 1 & 2	Milestone 4A - Approval of general vehicle arrang.dwgs	01/02/04	0	01/31/04	3/31/04A	60	
	Milestone 5A - Appr.dwgs, per Sect. 1.13.1Tech	05/07/04	0	05/07/04	05/07/04	0	
Note: MTA has completed the Contra #1 which makes certain administrativ	Milestone 6A Appr of Operator Cab Mockup	06/04/04	0	06/04/04	06/04/04	0	
	Milestone 14A - Acceptance of two First Article Vehicles	12/02/05	0	12/02/05	12/02/05	0	
Physical Percent Complete:		Cost Sumn	Cost Summary:			In millions	
Physical completion * as of April	1. Award Va	1. Award Value:			158.74		
	(Metro Gold	(Metro Gold Line Eastside Ext Only:			31.75)		
* Note: Physical completion asse	2. Executed	2. Executed Modifications:			0.00	)	
work completed and invoiced plu	3. Approved	3. Approved Change Orders:			0.00	)	
progress.	4. Current 0	4. Current Contract Value (1 + 2 + 3):			158.74	l	
	5. Pending	5. Pending Changes:			0.00	)	
	6. Incurred	6. Incurred Cost:				,	

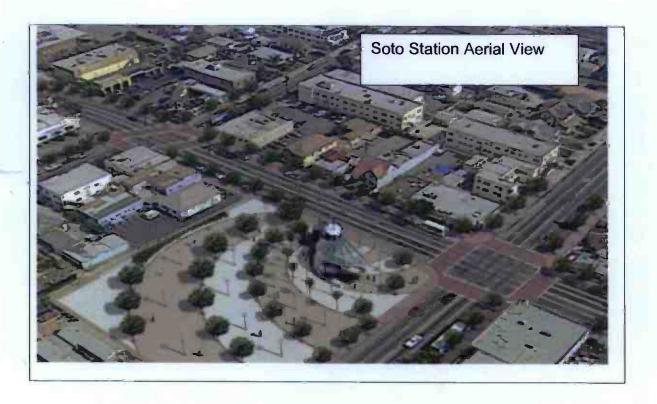














# APPENDIX COST AND BUDGET TERMINOLOGY

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

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

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

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

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

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

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

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

#### **APPENDIX**

#### LIST OF ACRONYMS

AFE Authorization For Expenditure

ATC Automatic Train Control

CADD Computer Aided Drafting and Design CALTRANS California Department of Transportation

CD Calendar Day

CM Construction Manager

CMAC Congestion Mitigation Air Quality

CN Change Notice CO Change Order

CPM Critical Path Method

CPUC California Public Utilities Commission

CR Camera Ready

CTC California Transportation Commission

CUD Contract Unit Description

DB Design/Build
DBB Design/Bid/Build
DD Design Development

DOT Department of Transportation
DWP Department of Water and Power
EIR Environmental Impact Report
EIS Environmental Impact Statement
EPBM Earth Pressure Balance Machine

ESP Eastside LRT Partners

FAR Federal Acquisition Regulation

FD Final Design

FEIS Final Environmental Impact Statement
FEIR Final Environmental Impact Report
FFGA Full Funding Grant Agreement
FIS Financial Information System

FSEIR Final Supplemental Environmental Impact Report FSEIS Final Supplemental Environmental Impact Statement

FTA Federal Transit Administration

FTE Full Time Equivalent

GDSR Geotechnical Design Summary Report

IFB Invitation for Bid

IPO Integrated Project Office

JV Joint Venture LA Los Angeles

LABOE Los Angeles Bureau of Engineering

LACFCD Los Angeles County Flood Control District

LACMTA Los Angeles County Metropolitan Transportation Authority

LADOT Los Angeles Department of Transportation

#### **APPENDIX**

LIST OF ACRONYMS (Continued)

LADPW Los Angeles Department of Public Works
LADWP Los Angeles Department of Water and Power

LAUSD Los Angeles Unified School District

LNTP Limited Notice To Proceed LONP Letter Of No Prejudice Light Rail Transit

LRTP Long Range Transportation Plan

LRV Light Rail Vehicle

MIS Major Investment Study

MPSR Monthly Project Status Report

MTA Metropolitan Transportation Authority

N/A Not Applicable

NEPA National Environmental Protection Act

NPDES National Pollution Discharge Elimination System

NTE Not to Exceed NTP Notice To Proceed

OCIP Owner-Controlled Insurance Program

P3 Primavera Project Planner® (scheduling software)

PC Project Control

PE Preliminary Engineering

PEER Permit Engineering Evaluation Report

PGL Pasadena Gold Line

PIP Project Implementation Plan

PM Project Manager

PMA Project Management Assistance

PMIP Project Management Implementation Plan PMOC Project Management Oversight Consultant

PMP Project Management Plan (manual)

P&P Policies & Procedures

PR Project Report

PSR Project Study Report QA Quality Assurance

QAR Quality Assurance Report

QC Quality Control

QPSR Quarterly Project Status Report RAC Review Advisory Committee

RAG Rail Activation Group
RFC Request For Change
RFP Request For Proposal
ROD Record Of Decision

ROD Revenue Operations Date ROM Rough Order of Magnitude

#### **APPENDIX**

LIST OF ACRONYMS (Continued)

ROW Right-Of-Way

SCAQMD Southern California Air Quality Management District

SCE Southern California Edison

SCRRA Southern California Regional Rail Authority

SHA State Highway Account

SHPO State Historic Preservation Office

SIT System Integration Testing

SOV Schedule Of Value SOW Statement Of Work SP Special Provision

STIP State Transportation Improvement Program

STP Surface Transportation Program

TBD To Be Determined
TBM Tunnel Boring Machine

TCRP Traffic Congestion Relief Program

TPSS Traction Power Substation

TRACS Transit Automatic Control System

UFS Universal Fare System

USDOT U.S. Department Of Transportation

VE Value Engineering

WBS Work Breakdown Structure

WP Work Package