

Metro Gold Line Eastside Extension



METRO GOLD LINE EASTSIDE EXTENSION

QUARTERLY PROJECT STATUS REPORT

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JUNE 2010

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PROJECT OVERVIEW & STATUS

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

Metro's consultant, ARINC, completed the integration software updates into the new SCADA system to correct testing issues. The expanded SCADA system is now fully operational.

The baseline schedule for contract C0933, Division 21 Body Repair Shop, was approved this period. The contractor's crews installed the RCP pipeline, the DWP primary conduit and the clarifier outside the existing building. Construction crews demolished the building concrete slab; installed the plumbing system, the air and water piping, and the electrical conduit; and completed installation of HVAC ducts. The lift system vendor submitted shop drawings for review and approval.

The C0803 contractor (ELRTC) has completed installation of the four foot high steel picket pedestrian barrier fencing, which was installed between the tracks to deter jaywalking. The contractor continues working on completing open items throughout the alignment and continues submitting "as-built" drawings. The contractor has begun the process of closing out the contract.

ELRTC and Metro staff have continued the process to establish parameters and measurement criteria to conduct the system assurance reliability testing, as required by the contract.

The C0893 Atlantic/Pomona Parking Structure was completed this period and opened to the public. Substantial completion was granted to the contractor on April 15, 2010. The contractor completed contract modification work along Atlantic Boulevard and the alley work to the west of the structure. Also completed were painting and landscaping. The contractor continues working on completing open items and "as-built" drawings.

MANAGEMENT ISSUES

No Management Issues for the period ending June 2010.

PROJECT COST STATUS

COST REPORT BY ELEMENT ORIGINAL SCOPE ACTIVITIES DOLLARS IN THOUSANDS

ELE- MENT	DESCRIPTION	ORIGINAL BUDGET	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		BUDGET / FORECAST VARIANCE
			PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
C	CONSTRUCTION	633,221	(2,392)	648,310	78	661,249	3,047	634,987	(2,392)	648,310	-
S	SPECIAL CONDITIONS	19,494	1,835	58,867	(112)	54,153	245	48,994	1,835	58,867	-
R	RIGHT-OF-WAY	40,358	207	37,889	110	37,889	81	37,133	207	37,889	-
P	PROFESSIONAL SERVICES	135,304	5,051	140,911	545	138,050	1,358	136,553	5,051	140,911	-
PC	PROJECT CONTINGENCY	60,254	(4,701)	2,700	-	-	-	-	(4,701)	2,700	-
PR	PROJECT REVENUE	(4,617)	-	(4,662)	-	(4,662)	-	(4,662)	-	(4,662)	-
SUBTOTAL		884,014	-	884,014	622	886,679	4,731	853,004	-	884,014	-
PF	PROJECT FINANCE COST	14,800	-	14,800	(43)	11,663	(43)	11,663	-	14,800	-
TOTAL		898,814	-	898,814	578	898,342	4,688	864,667	-	898,814	-

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MAY 2010

PROJECT COST ANALYSIS

Original Budget

The Full Funding Grant Agreement (FFGA) was adopted June 1, 2004 in the amount of \$898.8 million. The Original Budget reflects the adopted FFGA.

Current Budget and Current Forecast

The Current Budget and Forecast remains within the Board approved budget of \$898.8 million. However, there were a number of budget and forecast changes within the Project Major Cost Elements.

The Construction Cost Element has been decreased by \$2.4 million due to the following:

- Contract C0803 – Tunnel, Stations, Trackwork, & Systems: \$2.1 million net increase reflects negotiations of remaining contract modifications to be issued to the contractor for completion of closeout.
- Universal Fare System: \$0.3 million decrease in the allowance for potential contract modifications.
- Stations (Misc.) Furniture Procurement: \$0.1 million decrease represents final closeout.
- Contract P2550 – Rail Vehicle Program: \$4.1 million decrease per the settlement agreement reached on January 2010 with AnsaldoBreda.

The Special Conditions Cost Element has been increased by \$1.8 million due to the following:

- Environmental Compliance: \$0.1 million increase reflects the current closeout status of work orders.
- Advanced Utility Relocations: \$0.3 million increase reflects the current closeout status of work orders.

PROJECT COST ANALYSIS (CONT'D)

- Master Cooperative Agreements: \$0.7 million decrease reflects the current closeout status of work orders.
- Metro Systems Integration Oversight/Pre-Revenue Operations: \$2.8 million increase for Post ROD activities, including contract modifications for the SCADA consultant.
- Utility Shared Incentive Program: \$0.5 million decrease reflects the current closeout status of work orders.
- Utility Expenses: \$0.2 million decrease reflects the current closeout status of work orders.

The Right-of-Way Cost Element increase of \$0.2 million represents final closeout.

The Professional Services Cost Element increased by \$5.1 million due to the following:

- Agency: \$3.6 million increase reflects increased Agency overhead allocation, construction oversight of the Division 21 Body Repair Shop, and project closeout beyond ROD.
- Design Support During Construction: \$1.6 million increase for construction oversight of the Division 21 Body Repair Shop.
- Construction Management Support Services: \$0.2 million increase for construction oversight of the Division 21 Body Repair Shop.
- Other Professional Services: \$0.3 million decrease represents final contract closeout.

The Project Contingency Cost Element has been decreased by \$4.7 million due to the above changes.

Commitments

The Commitments increased by a net of \$0.6 million this period primarily for increased Agency Overhead, Metro Systems Integration Oversight in support of Post ROD activities, construction oversight of the Division 21 Body Repair Shop, and project closeout beyond ROD. The \$898.3 million in Commitments to date represents 99.9% of the Original Budget.

Expenditures

Expenditures are cumulative through May 2010. The Expenditures increased by a total of \$4.7 million this period. In the Construction element there was an increase of \$3.0 million for costs associated with Contract C0803 – Tunnel, Stations, Trackwork and Systems, Division 21 Body Repair Shop, and the Light Rail Vehicles. In the Special Conditions element there was an increase of \$0.2 million for costs associated with 3rd Party Master Cooperative Agreements, Metro Systems Integration Oversight/Pre-Revenue Operations, and SCADA. In the Professional Services element there was an increase of \$1.4 million for costs associated with Metro Project Administration, design support during Construction, and, construction management services. The \$864.7 million in Expenditures to date represents 96.2% of the Original Budget.

PROJECT COST STATUS

COST REPORT BY ELEMENT CONCURRENT NON-FFGA PROJECT ACTIVITIES

DOLLARS IN THOUSANDS

ELEM- MENT	DESCRIPTION	ORIGINAL BUDGET	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		BUDGET / FORECAST VARIANCE
			PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
C	CONSTRUCTION	18,000	-	49,649	558	49,197	3,783	47,015	-	49,649	-
S	SPECIAL CONDITIONS	-	-	3,244	71	2,692	105	2,665	-	3,244	-
R	RIGHT-OF-WAY	-	-	648	-	349	26	310	-	648	-
P	PROFESSIONAL SERVICES	-	-	4,307	744	5,955	874	5,540	-	4,307	-
PC	PROJECT CONTINGENCY	-	-	2,143	-	-	-	-	-	2,143	-
PR	PROJECT REVENUE	-	-	(4,087)	-	(4,872)	-	(669)	-	(4,087)	-
SUBTOTAL		18,000	-	55,903	1,373	53,320	4,788	54,860	-	55,903	-
PF	PROJECT FINANCE COST	-	-	-	-	-	-	-	-	-	-
TOTAL		18,000	-	55,903	1,373	53,320	4,788	54,860	-	55,903	-

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MAY 2010

PROJECT COST ANALYSIS

Original Budget

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

Current Budget and Current Forecast

The Current Budget and Forecast remain the same at \$55.9 million.

Commitments

The Commitments increased by \$1.4 million primarily for executed modifications associated with the rail safety enhancements, and Metro Project Administration. The \$53.3 million in Commitments to date represents 95.4% of the Current Budget.

Expenditures

Expenditures are cumulative through May 2010. The expenditures increased by \$4.8 million this period primarily for costs associated with the rail safety enhancements, construction of the Pomona/Atlantic Parking Structure, operational enhancements, mortuary services for reinterment, construction management, and Metro Project Administration. The \$54.9 million in expenditures represents 98.1% of the Current Budget.

FINANCIAL/GRANT STATUS – ORIGINAL SCOPE ACTIVITIES

JUNE 2010

STATUS OF FUNDS BY SOURCE

SOURCE	(A) ORIGINAL BUDGET	(B) TOTAL FUNDS ANTICIPATED	(C) TOTAL FUNDS AVAILABLE	(D) COMMITMENTS \$	(D/B) %	(E) EXPENDITURES \$	(E/B) %	(F) BILLED TO FUNDING SOURCE \$	(F/B) %
FEDERAL - SECTION 5309 NEW START	\$490.700	\$490.700	\$481.117	\$490.700	100%	\$459.685	94%	(1) \$458.621	93%
FED - SECTION 5309 FIXED GUIDEWAY	\$23.100	\$12.000	\$12.000	\$12.000	100%	\$12.000	100%	\$12.000	100%
FEDERAL - CMAQ	\$10.300	\$10.300	\$10.276	\$10.276	100%	\$10.276	100%	\$10.276	100%
REGIONAL IMPROVEMENT PROG - FED	\$179.600	\$4.600	\$4.600	\$4.600	100%	\$4.600	100%	\$4.600	100%
REGIONAL IMP PROG - STATE	\$0.600	\$175.600	\$175.600	\$175.600	100%	\$175.600	100%	\$175.600	100%
STATE TCRP	\$45.000	\$45.000	\$45.000	\$45.000	100%	\$45.000	100%	\$45.000	100%
PROP A 35% / PROP C 40%/PROP 25%	\$124.614	\$135.714	\$135.714	\$138.403	102%	\$135.743	100%	\$135.743	100%
LEASE REVENUES	\$10.100	\$10.100	\$10.100	\$10.100	100%	\$10.100	100%	\$10.100	100%
ACCRUALS									
SUB-TOTAL	\$884.014	\$884.014	\$874.407	\$886.679	100%	\$853.004	96%	\$851.940	96%
PROP A / PROP C (INTEREST COST)	\$14.800	\$14.800	\$11.663	\$11.663	79%	\$11.663	79%	\$10.731	73%
TOTAL	\$898.814	\$898.814	\$886.070	\$898.342	100%	\$864.667	96%	\$862.671	96%

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MAY 2010.

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

FINANCIAL/GRANT STATUS
CONCURRENT NON-FFGA PROJECT ACTIVITIES

JUNE 2010

STATUS OF FUNDS BY SOURCE

SOURCE	(A) APPROVED BUDGET	(B) TOTAL FUNDS ANTICIPATED (1)	(C) TOTAL FUNDS AVAILABLE	(D) COMMITMENTS \$	(D/B) %	(E) EXPENDITURES \$	(E/B) %	(F) BILLED TO FUNDING SOURCE \$	(F/B) %
PROP C 40%	\$14.000	\$22.400	\$22.400	\$22.400	100%	\$22.400	100%	\$21.415	96%
PROP C 10%	\$4.000	\$4.300	\$4.300	\$3.840		\$3.840		\$3.840	
STATE TCR	\$0.000	\$24.086	\$24.086	\$24.086	100%	\$24.086	100%	\$24.086	100%
PROP A 35%	\$0.000	\$5.117	\$5.117	\$2.994	59%	\$4.534	89%	\$0.000	0%
TOTAL	\$18.000	\$55.903	\$55.903	\$53.320	95%	\$54.860	98%	\$49.341	88%

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MAY 2010.

ENVIRONMENTAL STATUS

- Completed reinterment of human remains at Evergreen Cemetery.
- Chinese markers have been competed.
- Kemp Monument will complete the engraving and placement of markers.

COMMUNITY RELATIONS STATUS

- Coordinated and attended monthly meeting for the Executive RAC and RAC.

QUALITY ASSURANCE STATUS

- Monitored Pomona/Atlantic parking structure activities.

SAFETY STATUS

- Monitored construction activities day/night shifts to ensure safety compliance with contract specifications.
- Participated in ELRTC's weekly Tool-box Safety Meetings and Track Allocation Meeting.
- ELRTC and their subcontractors reported zero incidents and a total of 19,753 work hours for the months of April, May and June 2010.
- The Project-to-Date work hours are 4,447,033. A total of 43 incidents have occurred project-to-date and the Recordable Injury Rate is 1.93.

CONTRACT C0803 STATUS

Description: Tunnel, Stations, Trackwork & Systems Contractor: Eastside LRT Constructors		Contract No. C0803 Status as of: July 2, 2010					
Progress/Work Completed: * Completed Rail Safety Enhancements work * Completed implementation of SCADA * Submitted Communications "as-built" documentation Areas of Concern: None		Major Activities (In Progress): * Resolution of open items throughout the alignment * Relocation of the Ditman Street relay case * "As-built" submittals * Systems reliability demonstration test * Contract closeout Major Activities Next Period: * Complete open items work * Complete "as-built" submittals * Deliver spare parts and tools to Metro warehouse * Continue systems reliability demonstration test					
Schedule Summary: Date of Award: 06/01/04 Notice to Proceed: 07/01/04 Original Contract Duration: 1795 CD Current Contract Duration: 1887 CD Elapsed Time from NTP: 2193 CD Option D Contract duration 90 CD Complete			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
		Notice to Proceed	07/01/04	0	07/01/04	07/01/04	0
		Milestone 1 - Contract Completion. Complete all systems integration testing and ready for MTA's pre-revenue operation testing.	12/31/08	91	04/01/09	11/15/09	-228
		Milestone 3 - Complete Universal Fare System Equipment area.	04/30/08	255	01/10/09	01/30/09	-20
		Milestone 5 - Vacate all staging areas and turn over to MTA.	05/30/09	92	08/30/09	07/31/10	-335
		Milestone 6 - Complete design and construction of Option D work.	09/28/04	0	09/28/04	09/28/04	0
		Physical Percent Complete: Physical completion * as of this reporting period is: 100% * Note: Physical completion assessment reflects work completed and work in progress.		Cost Summary: \$ In millions 1. Award Value: 600.45 2. Executed Modifications: 18.64 3. Approved Change Orders: 0.00 4. Current Contract Value (1+2+3): 619.08 5. Incurred Cost: 607.54			

CONTRACT C0893 STATUS

Description: Pomona Atlantic Parking Structure Contractor: W. M. Klorman Construction Corp.		Contract No. C0893 Status as of: July 2, 2010					
Progress/Work Completed: <ul style="list-style-type: none"> * Complete work along Atlantic Boulevard * Complete alley work west of the structure * Completed Lots A and B * Erected green screens * Installed iron picket fence on perimeter * Completed landscaping * Erected bike racks and lockers * Opened to the public 4/16/10 * Contractor demobilized Areas of Concern: None		Major Activities (In Progress): <ul style="list-style-type: none"> * Punch list items * "As-built" submittals * Plant establishment Major Activities Next Period: <ul style="list-style-type: none"> * Final Acceptance * Contract closeout 					
Schedule Summary: Date of Award: 12/15/08 Notice to Proceed: 01/14/09 Original Contract Duration: 400 CD Current Contract Duration: 400 CD Elapsed Time from NTP: 534 CD			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
		Notice to Proceed	01/14/09	0	01/14/09	01/14/09	0
		Milestone 1 - Substantial Completion	02/18/10	0	02/18/10	04/15/10	-56
Physical Percent Complete: Physical completion as of 7/01/10: 100% * * Note: Physical completion assessment reflects work completed and work in progress.		Cost Summary: \$ In millions 1. Award Value: 8.15 2. Executed Modifications: 0.24 3. Approved Change Orders: 0.00 4. Current Contract Value (1+2+3): 8.39 5. Incurred Cost: 8.07					

CONTRACT C0933 STATUS

Description: Division 21 Body Shop Contractor: Ford E.C., Inc.		Contract No. C0933 Status as of: July 2, 2010					
Progress/Work Completed: * Completed potholing for existing utilities * Installed RCP line * Installed DWP primary conduit * Demolished building concrete slab and installed plumbing * Erected HVAC ducts inside the building * Installed air and water piping and electrical conduit * Installed the clarifier * Submitted for review shop drawings for hoists and turntables Areas of Concern: * None		Major Activities (In Progress): * CMU wall footing * Final grading for building concrete slab * Install gas line * Surveying for OCS poles * Drilling for car hoist caissons * Site grading * Fabrication of caissons for car and truck repair hoists Major Activities Next Period: * Erect CMU retaining wall * Pour building concrete slab * Excavate pit trenches for car and truck repair hoists * Finish all underground utilities outside the building * OCS pole foundations * Fabricate car and truck repair hoists and turntables * Metro approve hoists and turntables shop drawings					
Schedule Summary: Date of Award: 01/07/10 Notice to Proceed: 02/01/10 Original Contract Duration: 420 CD Current Contract Duration: 420 CD Elapsed Time from NTP: 152 CD			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
		Notice to Proceed	02/01/10	0	02/01/10	02/01/10	0
		Milestone 1 - Substantial Completion	03/28/11	0	03/28/11	04/15/11	-18
Physical Percent Complete: Physical completion as of 7/01/10: 23.6% * * Note: Physical completion assessment reflects work completed and work in progress.		Cost Summary: \$ In millions 1. Award Value: 5.33 2. Executed Modifications: 0.00 3. Approved Change Orders: 0.61 4. Current Contract Value (1+2+3): 5.94 5. Incurred Cost: 1.71					

CONTRACT P2550 STATUS

Description: 2550 Rail Vehicle Program Contractor: AnsaldoBreda, Italy (AB)	Contract No. P2550 Status as of: July 2, 2010			
Progress/Work Completed: 1. As of July 02, 2010 thirty-seven vehicles have been accepted by MTA. 2. Vehicle final assembly work continues in Pittsburg, CA. 3. Shipment of foreign and domestic parts for final assembly continue to arrive in Pittsburg, CA. 4. Several Engineering meetings with AB and its subcontractors have been held during the period to evaluate progress and to close open items. 5. Vehicle No. 742 is the next vehicle to be accepted in July. 6. Metro Management endorsed a plan to locate all P2550 vehicles at MGD and transfer all P2000 vehicles presently at MGD to MBL. The transfer is ongoing.	Major Activities (In Progress): 1. Pittsburg plant continues vehicle assembly work. 2. Testing and acceptance of Vehicles 743 and 732 will commence at the Metro Blue Line to complete qualification tests specific to minimum S-curve and car pressurization (air leakage) along with ATP/TWC Systems and Trolley wire at the Transit Mall. 3. Vehicle 742 is in burn-in testing and is scheduled for acceptance mid-July. 3. Daily/weekly project meetings are held to close open items. 4. AnsaldoBreda Italy has delivered all 100 carshells (50 cars) to Pittsburgh. Major Activities Next Period: 1. Several Technical Progress meetings will be held to emphasize resolution of remaining critical items for final acceptance of vehicles and contract closeout. 2. Vehicles 742, 743, 732, and 703 are scheduled to be accepted by the end of August 2010.			
Schedule Summary: Date of Award: 04/24/03 Notice to Proceed: 06/06/03 Original Contract Duration: 1442 CD Elapsed Time from NTP: 2399 CD Note: A schedule of vehicle delivery has been submitted by AB with 50th (last) car delivered by January 2011.	Notice to Proceed 6/6/2003A	Quantity	Contract Total Quantity	Balance Due
	Vehicles Assembled (in US)	50	50	0
	Vehicles at Commissioning Sites - MGD and MBL	39	50	11
	Vehicles Accepted for Revenue Service by Metro	37	50	13
Physical Percent Complete: Percent of LRVs assembled = 50/50 = 100% Percent Work Product Invoiced through June 2010 is 68.2%	Cost Summary: \$ In millions 1. Award Value: Pasadena (Proj. No.: 800151) 126.99 Eastside Ext. (Proj. No.: 800088) 31.75 Total Award Value 158.74 2. Executed Modifications: 0.00 3. Approved Change Orders: 0.00 4. Current Contract Value (1 + 2 + 3): 158.74 5. Payments or invoices in process: 108.37			

APPENDIX

COST AND BUDGET TERMINOLOGY

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

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

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

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

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

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

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

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

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

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

APPENDIX

LIST OF ACRONYMS

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

APPENDIX
LIST OF ACRONYMS (Continued)

LADPW	Los Angeles Department of Public Works
LADWP	Los Angeles Department of Water and Power
LAUSD	Los Angeles Unified School District
LNTP	Limited Notice To Proceed
LONP	Letter Of No Prejudice
LRT	Light Rail Transit
L RTP	Long Range Transportation Plan
LRV	Light Rail Vehicle
MIS	Major Investment Study
MPSR	Monthly Project Status Report
N/A	Not Applicable
NEPA	National Environmental Protection Act
NPDES	National Pollution Discharge Elimination System
NTE	Not to Exceed
NTP	Notice To Proceed
OCIP	Owner-Controlled Insurance Program
P3	Primavera Project Planner® (scheduling software)
PC	Project Control
PE	Preliminary Engineering
PEER	Permit Engineering Evaluation Report
PGL	Pasadena Gold Line
PIP	Project Implementation Plan
PM	Project Manager
PMA	Project Management Assistance
PMIP	Project Management Implementation Plan
PMOC	Project Management Oversight Consultant
PMP	Project Management Plan (manual)
P&P	Policies & Procedures
PR	Project Report
PSR	Project Study Report
QA	Quality Assurance
QAR	Quality Assurance Report
QC	Quality Control
QPSR	Quarterly Project Status Report
RAC	Review Advisory Committee
RAG	Rail Activation Group
RFC	Request For Change
RFP	Request For Proposal
ROD	Record Of Decision
ROD	Revenue Operations Date
ROM	Rough Order of Magnitude

APPENDIX
LIST OF ACRONYMS (Continued)

ROW	Right-Of-Way
SCAQMD	Southern California Air Quality Management District
SCE	Southern California Edison
SCRRA	Southern California Regional Rail Authority
SHA	State Highway Account
SHPO	State Historic Preservation Office
SIT	System Integration Testing
SOV	Schedule Of Value
SOW	Statement Of Work
SP	Special Provision
STIP	State Transportation Improvement Program
STP	Surface Transportation Program
TBD	To Be Determined
TBM	Tunnel Boring Machine
TCRP	Traffic Congestion Relief Program
TPSS	Traction Power Substation
TRACS	Transit Automatic Control System
UFS	Universal Fare System
USDOT	U.S. Department Of Transportation
VE	Value Engineering
WBS	Work Breakdown Structure
WP	Work Package