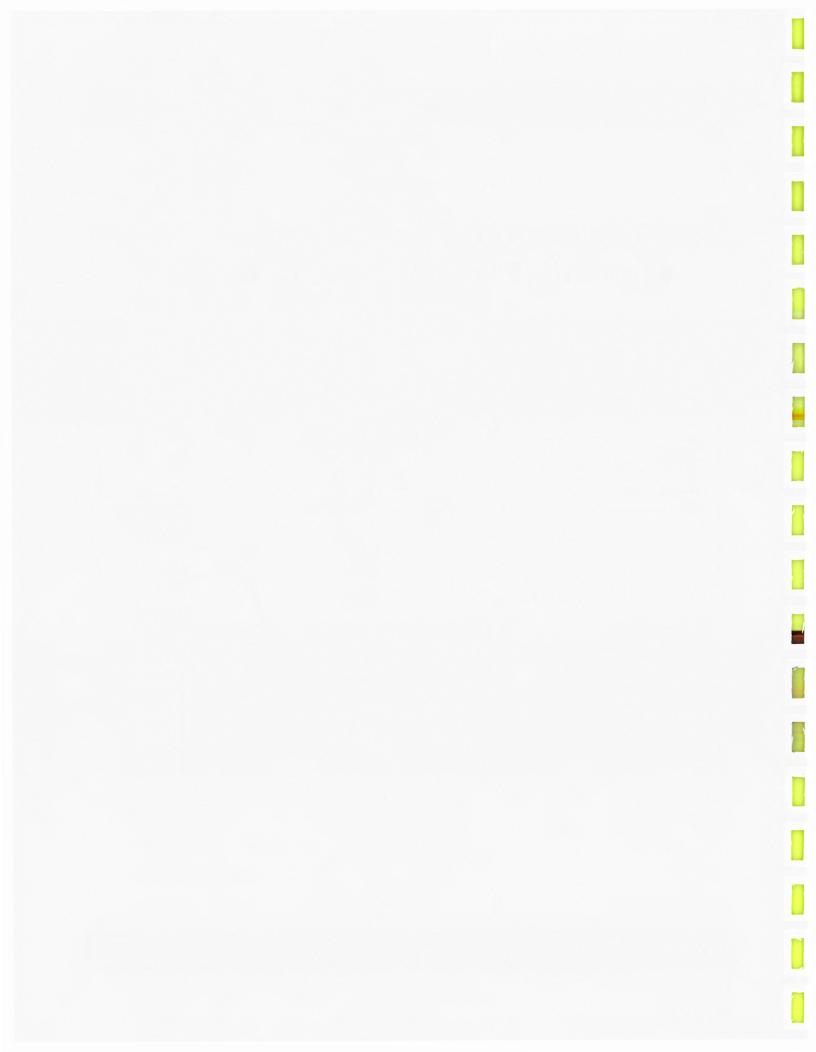


# November 2003

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# MID-CITY/EXPOSITION LIGHT RAIL TRANSIT PROJECT

MONTHLY PROJECT STATUS REPORT

**NOVEMBER 2003** 



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#### PROJECT OVERVIEW

The Mid-City/Exposition Light Rail Transit (Exposition LRT) Project is the Locally Preferred Alternative (LPA) for the Exposition Transit Corridor. The Project's LPA is approximately 9.6 miles long, extending from Downtown Los Angeles to Culver City. The Project will have 10 or 11 stations consisting of 2-3 existing stations and 7-8 new stations. One of the 8 new stations may be an aerial station.

The LRT Project would operate in a dual track configuration in selected streets and the Exposition Right-of-Way Corridor. The initial design concept is for high-level center and side platform stations (similar to those in use on Metro Gold and Blue Line). LRT is electrically powered (similar to Metro Blue, Green, and Gold Line) receiving its electric power from overhead power lines within the street or Exposition Right-of-Way. The project also includes a bicycle facility. The following bicycle facilities are included in this Contract: a combination of Class 1 Bike Path and Class 2 Bike Lanes from Vermont to Venice/Robertson.

Contract P2550 Procurement of Light Rail Vehicles for the Metro Gold Line Eastside Extension Project has approximately 20-25 vehicles for the Mid-City/Exposition LRT Project included as an option.

The project began Preliminary Engineering in January 2003. The project began its Final Environmental Impact Statement in November 2002.

#### MANAGEMENT ISSUES

Concern No. 1: Initiate Alternatives Studies.

#### Status/Action

The Alternatives Studies are underway including:

- a) The Branching Study (which alignment to use between the Central Business District and the Exposition right-of-way).
- b) The Maintenance Yard Study. The Maintenance Yard Study has led to staff and consultants conclusion that use of an expanded existing Division 11 for the Exposition Corridor Light Rail Project's Maintenance Yard will be incorporated in Preliminary Engineering.
- c) The Grade Crossing Policy.

Concern No. 2: Conducted Board directed Peer Review.

#### Status/Action

APTA facilitated Peer Review has been conducted by the following committee: Alfred E. Fazio, PE, 21<sup>st</sup> Century Rail Corporation, Dave Conover, Sacramento Regional Transit District, William Grizard, APTA and Don Irwin, Tri-County Metropolitan Transportation District. The Peer Review Panel has completed its report which was accepted by the MTA Board.

**Concern No. 3:** Completing the preliminary engineering drawings from Vermont to Venice/ Washington.

#### Status/Action

The Preliminary Engineering drawings from Vermont to Venice/Washington have been revised to incorporate the appropriate third party and MTA comments. Although the comment response notes are still being reviewed by MTA, the drawings are complete for this phase of P.E. This concern is closed.

#### MANAGEMENT ISSUES

**Concern No. 4:** The MTA Grade Crossing Policy has been adopted by the Board of Directors following revisions and incorporation of appropriate comments.

#### Status/Action

This concern is closed.

Concern No. 5: Preliminary Engineering Deliverables.

#### Status/Action

Due to late Third Party reviews, Preliminary Engineering deliverables were delayed. The Consultant was allowed to provide deliverables in November 2003.

**Concern No. 6:** Preliminary Engineering scope was increased to include a La Brea grade separation and a mitigated Hill Street Alternative.

#### Status/Action

The time to deliver the Downtown Segment and the La Brea Segment was extended to February 2004.

**Concern No. 7:** The Administrative Draft FEIS due date was extended due to the scope additions noted in Concern No. 6.

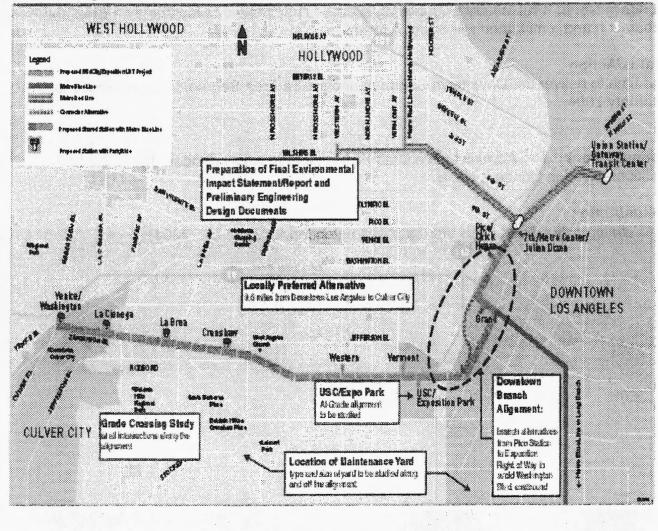
#### Status/Action

The Administrative Draft FEIS due date was extended to March 30, 2004.

#### **PROJECT SCOPE**

The Mid-City/Exposition Light Rail Transit (Exposition LRT) Project is the Locally Preferred Alternative (LPA) for the Exposition Transit Conidor. The Project's LPA is approximately 9.6 miles long, extending from Downtown Los Angeles to Culver City. The Project will have 10 or 11 stations consisting of 2-3 existing stations and 7-8 new stations. One of the 8 new stations may be an aerial station.

The LRT Project would operate in a dual track configuration in selected streets and the Exposition Right-of-Way Corridor. The initial design concept is for high-level center and side platform stations (similar to those in use on Metro Gold and Blue Line). LRT is electrically powered (similar to Metro Blue, Green and Gold Line) receiving its electric power from overhead power lines within the street or Exposition Right-of-Way. The project also includes a bicycle facility. The following bicycle facilities are included in this Contract: a combination of Class 1 Bike Path and Class 2 Bike Lanes from Vermont to Venice/Robertson. The currently envisioned stations at this stage of Preliminary Engineering are for the most part shown on the map below: These include existing stations at 7<sup>th</sup>/Metro Center Julian Dixon Station, Pico/Chick Hern Station and new stations at USC/Exposition Park, Vermont, Western, Crenshaw, La Brea, La Cienega, and Venice Washington. It is also possible that one or two stations may be added as part of the Downtown Branching Study. Options for Downtown Branch stations currently include Jefferson Blvd. Near the northern edge of the USC Campus and 23<sup>rd</sup> Street near L.A Trade Technical College.



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

	Milestone Date	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04
PE Deliverables Due	2/1/04				0		
Complete Admin Final EIS/EIR for FTA Review	3/30/04					٠	
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	E Deliverables New Date			_	"A Approva "A Board Ac		

November 2003

## Mid-City/Exposition Light Rail Transit Monthly Project Status Report

## PROJECT MASTER SCHEDULE CRITICAL PATH

ID	TASK/ACTIVITY	CAL DAYS	START	FINISH
1	Complete Administrative Draft EIS/EIR for FTA Review	1	12/14/00A	12/14/00A
2	FTA Review Period	107	12/14/00A	3/30/01A
3	Approved to Circulate and Notice Availability	15	3/30/01A	4/13/01A
4	Conduct Public Hearings (3 hearings)	32	4/14/01A	5/15/01A
5	Board Action: Adopt Locally Preferred Alternative & Draft EIS/	1	6/28/01A	6/28/01A
6	Consultant Special Studies of Mid- City/Exposition LRT Project Supplemental Grade Crossing Mitigation Analysis	181	10/1/02A	3/31/03A
7	Peer Review of Project Design Standards, Project Cost Estimate and Grade Crossing Mitigation Analysis	14	6/1/03A	6/25/03A
8	MTA Board Consideration of Peer Review Recommendations.			8/28/03A

## PROJECT MASTER SCHEDULE CRITICAL PATH

ID	TASK/ACTIVITY	CAL DAYS	START	FINISH
9	Completion of PE Package to Support Administrative Final FEIS/R for a Design Build Project			2/1/04
10	Complete Administrative Final EIS/EIR for FTA Review	30	3/1/04	3/31/04
11	FTA Review Administrative Final EIS/EIR	90	4/1/04	6/30/04
12	Develop Preliminary Engineering Package to Support Administrative Final EIS/R.	385	1/13/03A	2/02/04
13	Incorporate FTA Comments	15	7/1/04	7/15/04
14	Notice of Availability and Approval to Circulate	25	7/16/04	8/9/04
15	Final EIR Public Review	50	8/10/04	9/30/04
16	MTA Board Certify Final EIS/R	90	10/1/04	12/31/04

7

#### **CRITICAL PATH NARRATIVE**

The Critical Path forward for the Mid-City/Exposition LRT Project will be to continuing developing Preliminary Engineering Design and complete the Final Environmental Impact Statement/Report (FEIS/R) project.

The critical design features being addressed in PE Design, in order to support environmental clearance, are the connection to the Long Beach Blue Line and station area plans (including park and ride lots). Effective resolution of these issues has resulted in approximately a three month slip in the approval of the EIS/R.

#### **PROJECT COST STATUS**

	Previous	Current	A A A		
	Estimated	Estimated			
Description	Project Cost	Project Cost	Variance	Commitments	Expenditures
Guideways	54.7	64.1	9.4	0.0	0.0
Yards & Shops	20.3	20.3	0.0	0.0	0.0
Systems/Equipment	63.9	63.6	(0.3)	0.0	0.0
Stations	20.8	24.6	3.8	0.0	0.0
Vehicles	50.8	50.8	0.0	0.0	0.0
Special Conditions	41.6	44.0	2.4	0.0	0.0
Right-of-Way	16.6	16.6	0.0	0.0	0.0
<b>Professional Services</b>	72.1	72.1	0.0	8.0	5.1
Contingency	67.3	70.2	2.9	0.0	0.0
TOTAL	408.1	426.3	18.2	8.0	5.1

The Current Estimated Project Cost is \$426.3 million in unescalated dollars and reflects the additional of a grade separation at La Brea Avenue. This added grade separation is the result of an MTA Board Meeting in September. The subject of the Board Meeting was Grade Crossing Policy for Light Rail Transit.

	А		В		С	D=A+B+C		Е	F=D+E
			Approved			Obligated		Potent	tial
Description	Award Amount	Execute	ed Changes	LNTF	Ps (NTE)	Total Approved Amount	Pe	nding	Total Potential Value
		# \$		#	\$		#	\$	
Preliminary Engineering Design Services	4,499,217	0	0	0	0	4,499,217	0	0	4,499,217
Environmental Planning Consultant	931,574	0	0	0	0	931,574	0	0	931,574
Project Management Assistance Support	95,000	0	0	0	0	95,000	1	0	95,000
OTAL	5,525,791	0	0	0	0	5,525,791	1	0	5,525,791
								<u> </u>	

The award amount for the Preliminary Engineering Design Services Contract with DMJM+Harris is \$4,499,217.

Project Management Assistance (PMA) support is authorized on a task order basis to support project requirements that are anticipated but unknown at contract award.

#### **FINANCIAL/GRANT STATUS**

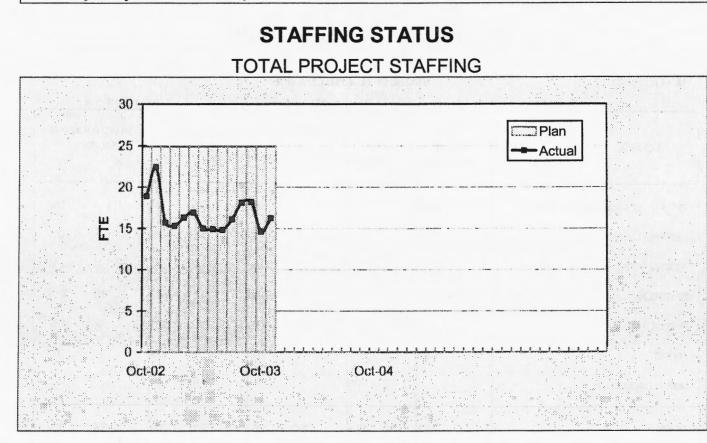
NOVEMBER 2003	STA	tus of fund	s by sour	Œ				
and the second		(Escal	sted \$)				in \$ millions	the shirt had no cold be
SOURCE	(B) TOTAL FUNDS ANTICIPATED	(C) TOTAL FUNDS AVAILABLE	(D) COMMITME \$	(D/B) ∋NTS %	(E) EXPENDITU \$	(E/B) JRES %	(F) BILLED to F SOURCI \$	
FEDERAL - SECTION 5309 NEW START	252.7			0%		0%		0%
FEDERAL - CMAQ	7.9			0%		0%		0%
FEDERAL RSTP	2.0			0%		0%		0%
STATE TCRP	11.0	11.0	8.0	73%	3.6	32%	3.6	32%
STATE RIP	64.2			0%		0%		0%
PROP C	151.9			0%		0%		0%
UNBILLED ACCRUALS		1.6			1.6			
TOTAL	489.7	12.6	8.0	2%	5.1	1%	3.6	1%

### STATUS OF FUNDS ANTICIPATED

**STATE TCRP:** On October 24, 2002 MTA submitted an allocation request for an additional \$14 million of State TCRP funds to continue funding preliminary engineering activities.

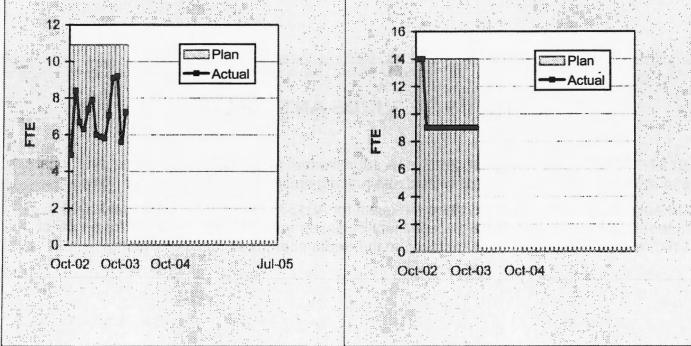
On August 25, 2003, MTA submitted a request for AB1335 Letter of No Prejudice (LONP) authority to the CTC for Phase 1 Preliminary Engineering and Design Activities for a total of \$16.2 million. The LONP was approved at the September 25, 2003 CTC Meeting.

November 2003



AGENCY STAFFING

#### KORVE ENGINEERING



#### **REAL ESTATE STATUS**

MTA Real Estate is conducting discussions with Southern California Edison (SCE) concerning the feasibility of renewing and enlarging MTA's lease of land adjacent to MTA Division 11 Light Rail Yard in the City of Carson. SCE has high voltage electric line right-of - way adjacent to Division 11. MTA currently leases SCE right-of-way for light rail maintenance of way material storage for the existing Long Beach Blue Line. MTA Real Estate is discussing with representatives of SCE the feasibility of additional leases at the appropriate time as one alternative for a Mid-City/Exposition LRT maintenance yard either for a full yard or just heavier maintenance.

Simultaneously, MTA Real Estate planned and consultants are identifying ownership and lease agreements for several properties beneath regional freeways which might be suitable for a LRT yard or mid-day LRT layover areas.

Other yard and traction power substation and park and ride lot alternatives will also be analyzed during the PE process with the assistance of the MTA Real Estate Department.

#### **ENVIRONMENTAL STATUS**

- MTA Environmental Planning Consultant, Korve Engineering, is currently proceeding with Phase IIIB of the Mid-City/Westside Corridor Study. Phase IIIB consists of the following ongoing activities: 1) Public outreach during the environmental process 2) Station area conceptual planning 3) Supplemental environmental analysis for outstanding issues and design alternatives 4) Preparation of the FEIS/R documents 5) Coordination and review with PE Design for environmental compliance compatibility; and 6) Management of the contract.
- Korve Engineering has on-going work with items 2, 3, 4, and 5 of the Phase IIIB contract.

### COMMUNITY RELATIONS STATUS

- Held meeting with Culver City Redevelopment Agency to discuss station partnering opportunities.
- Conducted working meeting on bikeway with the City of Los Angeles.
- Held project exhibition and discussion with the Westside Urban Forum.
- Attended Friends 4 Expo Transit Steering Committee Meeting and Culver City Council Meeting.

## QUALITY ASSURANCE STATUS

• Quality Management conducted a surveillance of DMJM/Harris design review and quality assurance processes for the Final Draft Report submittals.

## SAFETY STATUS

No Safety activity this period.

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THIRD	PARTY	AGREEMENT	STATUS
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Third Party	Type of Agreement	Construction Need Date	Status/Comments
City of Los Angeles	Amendment	TBD	Executed
Los Angeles County	Master	TBD	Executed
Caltrans (All Projects)	Master	TBD	Executed
Culver City	Master	TBD	Draft finished/Under review

## **Document Development Status**

## **To Support Entry Into Final Design**

DOCUMENT	STATUS	ESTIMATED/ACTUAL COMPLETION DATE
	<u>etrated</u>	
Capital and Operating Financial Plans		August 2002
Quality Assurance/Quality Control Plan	Accepted by MTA Quality Management.	May 2003
Value Engineering Report	Received final draft and currently under review.	August 2003
Project Management Plan (PMP)	Under review pending MTA Board review of project planning.	January 2004
Rail Fleet Management Plan	Submitting revised version to FTA/PMOC for review.	January 2004
Bus Fleet Management Plan	Submitting revised version to FTA/PMOC for review.	January 2004
NEPA Process	Working on FEIR/FEIS.	January 2004
Objectivity Analysis for PE/FD Contract		



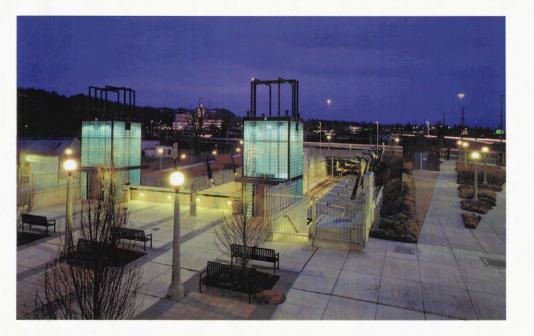




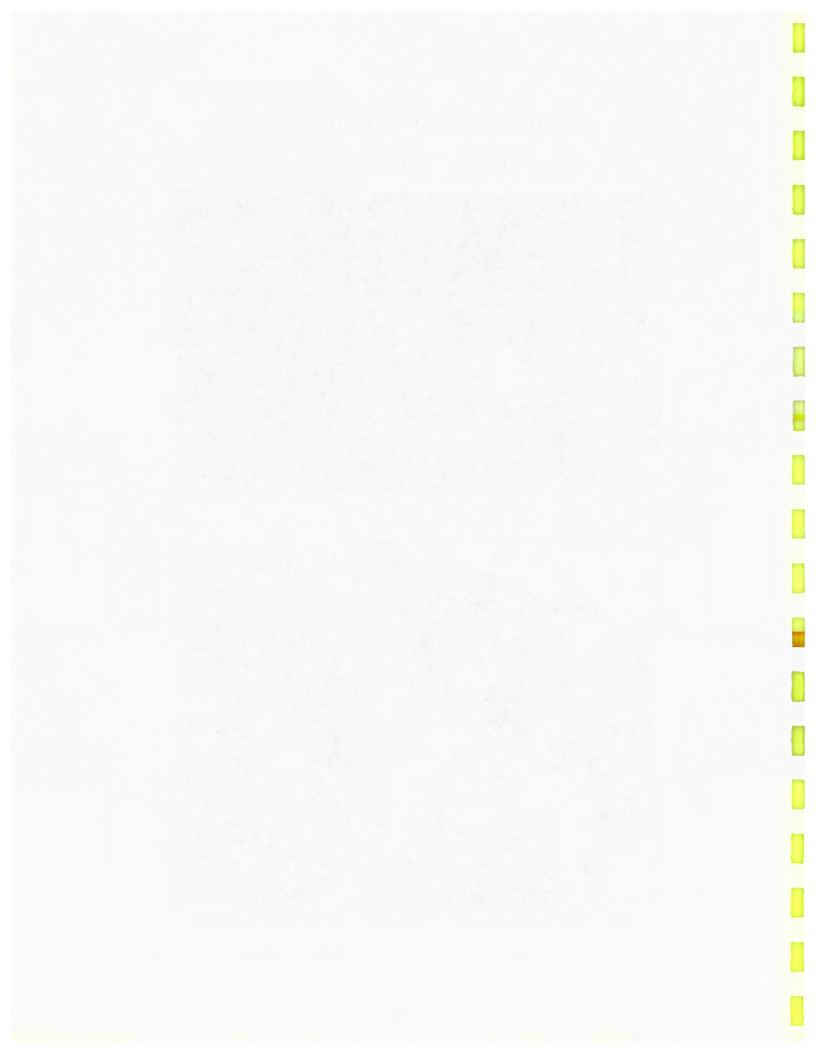


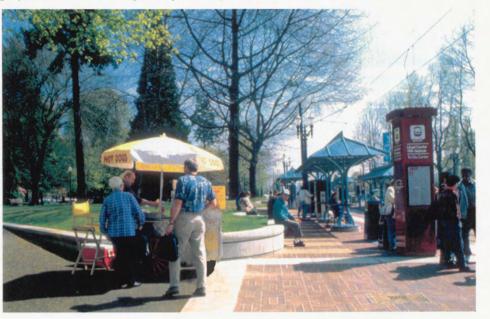


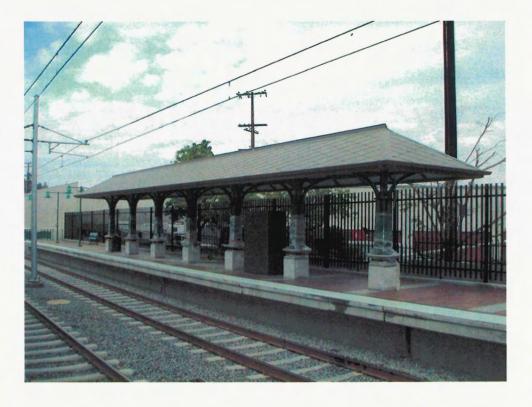


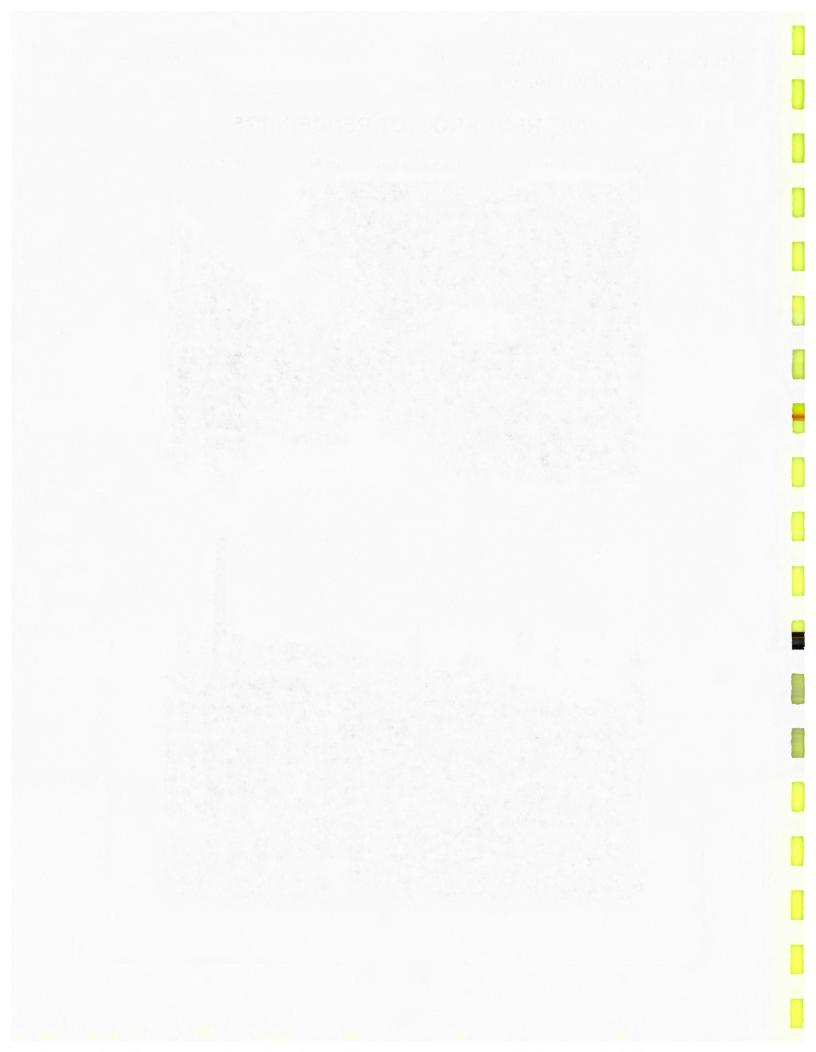








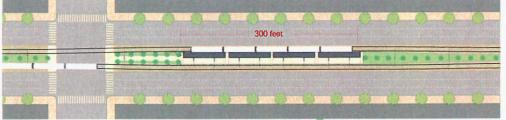




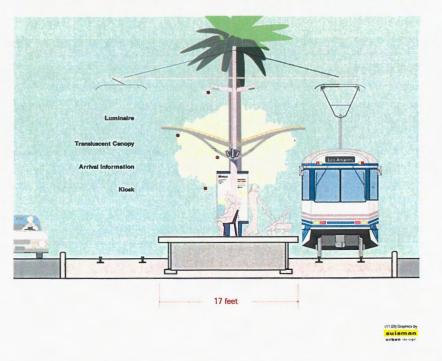
Mid City / Exposition Light Rail Transit Project

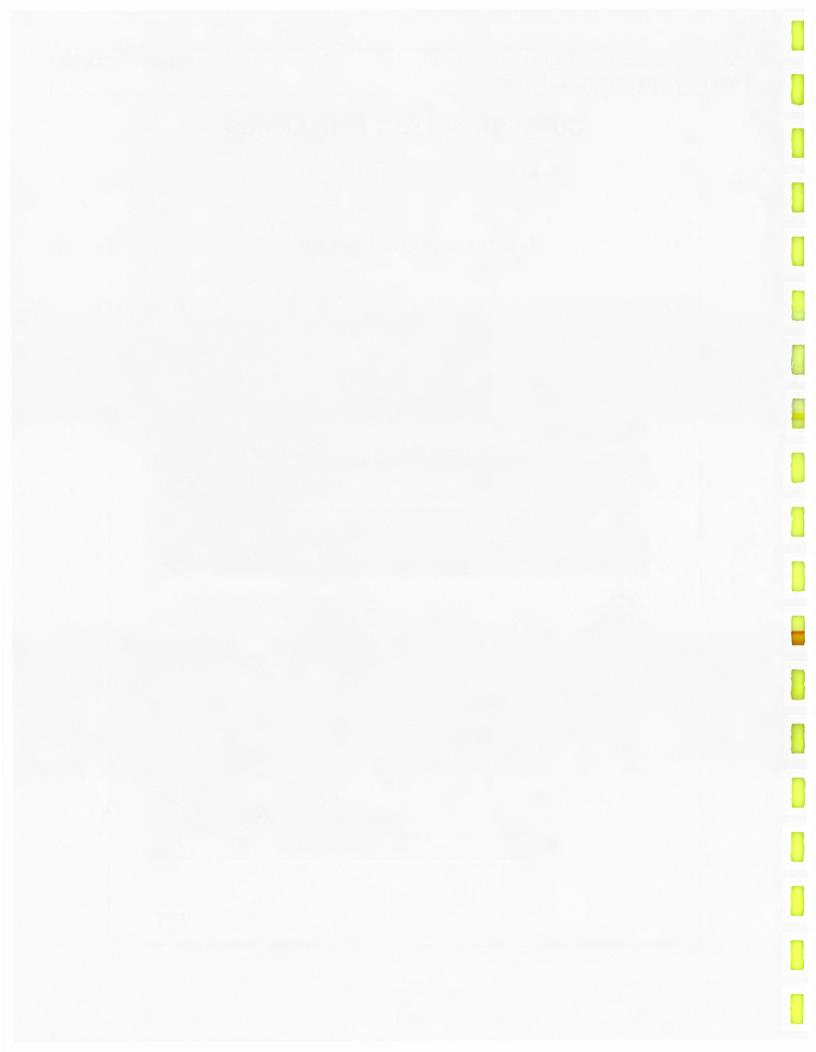
#### **Typical Light Rail Station**





The typical LRT station on the Exposition corridor would be a raised platform, 300 feet long, located in the center of the roadway. Amenities include a canopy, lighting, paving, maps and schedules, kiosks, landscaping, and public art.



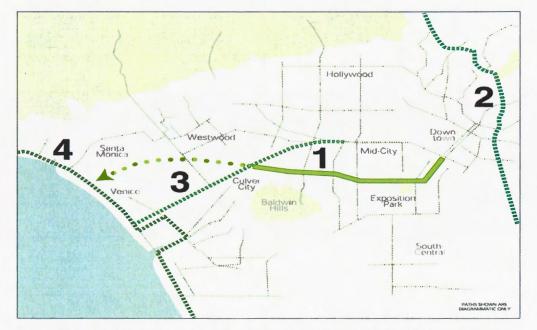


Mid City / Exposition Light Rail Transit Project

#### **Bikeway**

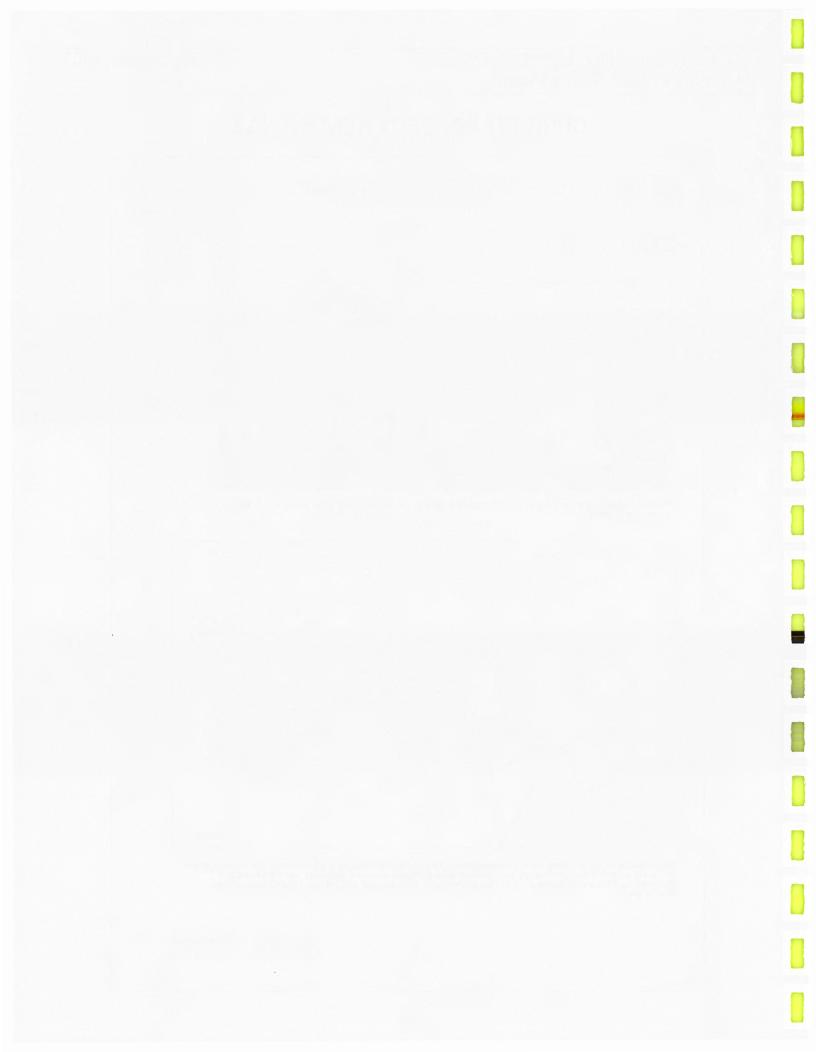


The project calls for a continuous bike path along the route of the light rail line.



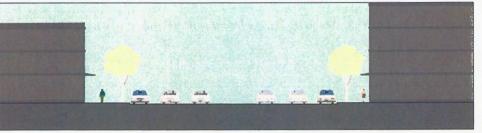
The Bikeway along the Exposition Transit Parkway (1) would become one of the area's important long-distance bike paths, along with the Los Angeles River Bikeway (2), the Venice Bikeway (3), and the Ocean Bike Path (4).

> (11 02) Graphics by Buisman

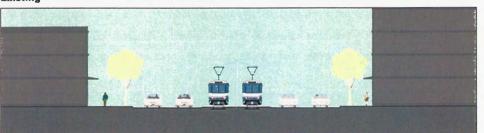


Los Angelos County Metropolitan Transportation Authority Mid City / Exposition Light Rail Transit Project 0

# **Downtown Los Angeles** Typical Cross Section on Flower or Hill between Washington and Exposition



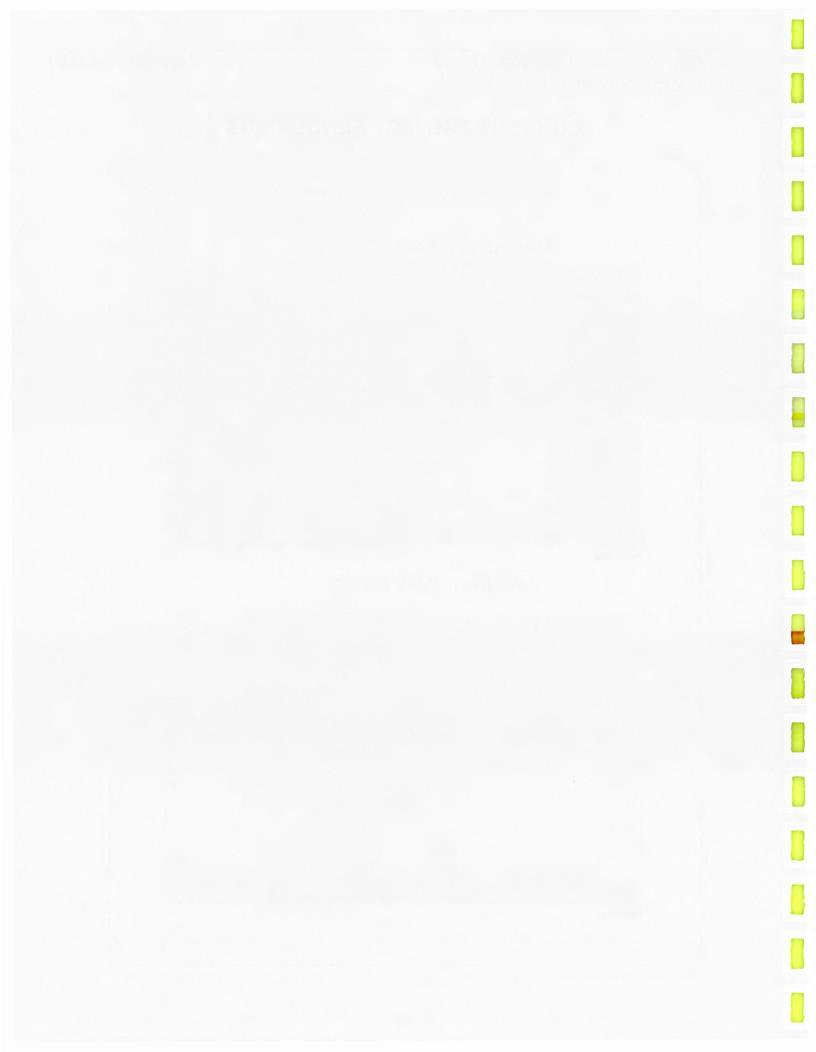
Existing



Proposed

# Exposition Park / USC Typical Cross Section on Exposition between Figueroa and Vermont

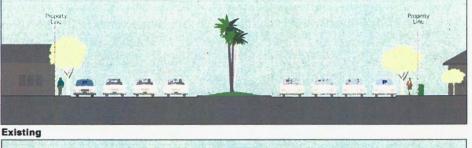




Mid City / Exposition Light Rail Transit Project

#### Western

Typical Cross Section on Exposition Boulevard from Normandie to Western

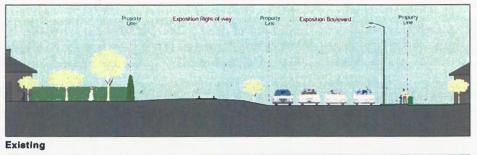




Proposed

#### Crenshaw

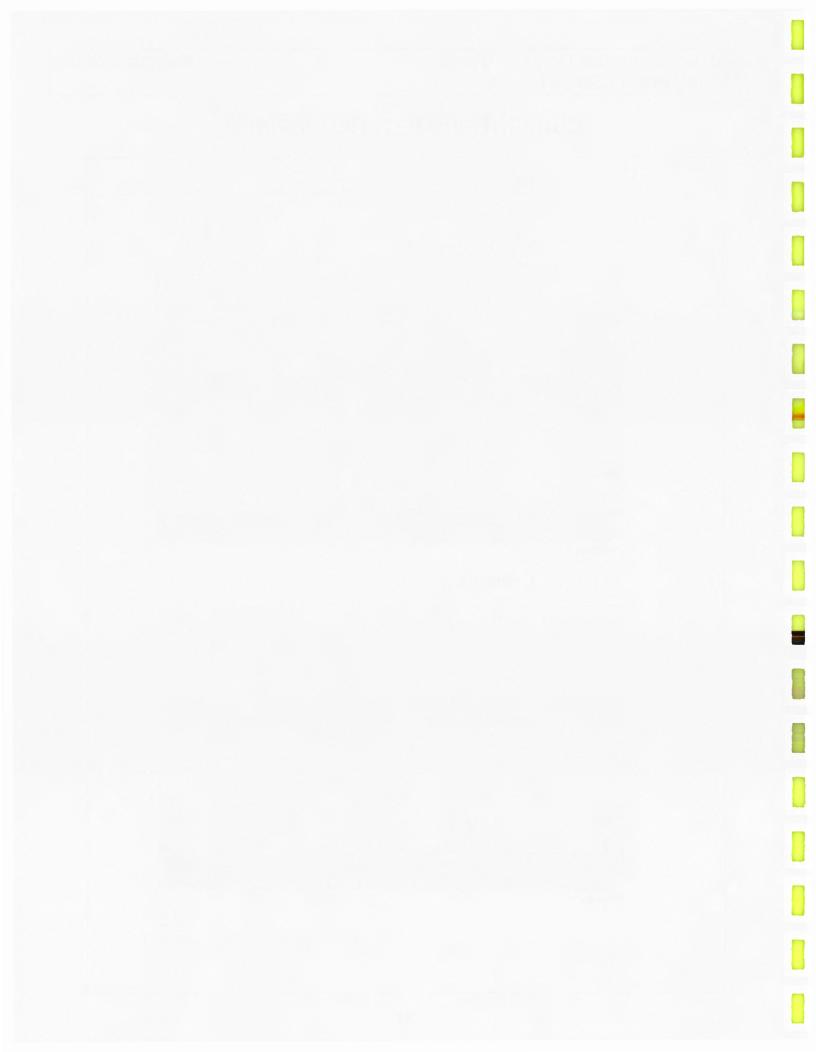
Typical Cross Section on Exposition Boulevard from Arlington to Crenshaw





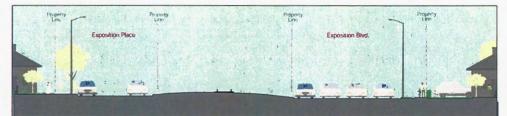
Proposed

suisman



Los Angeles Courty Metropolican Transportation Authority Mid City / Exposition Light Rail Transit Project

Dorsey Typical Cross Section on Exposition (Boulevard and Place) from Crenshaw to Dorsey High

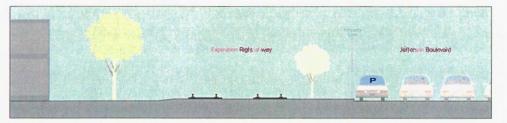


Existing

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	- 4114		

Proposed

La Cienega Typical Cross-Section on Jefferson from Hauser to La Cienega

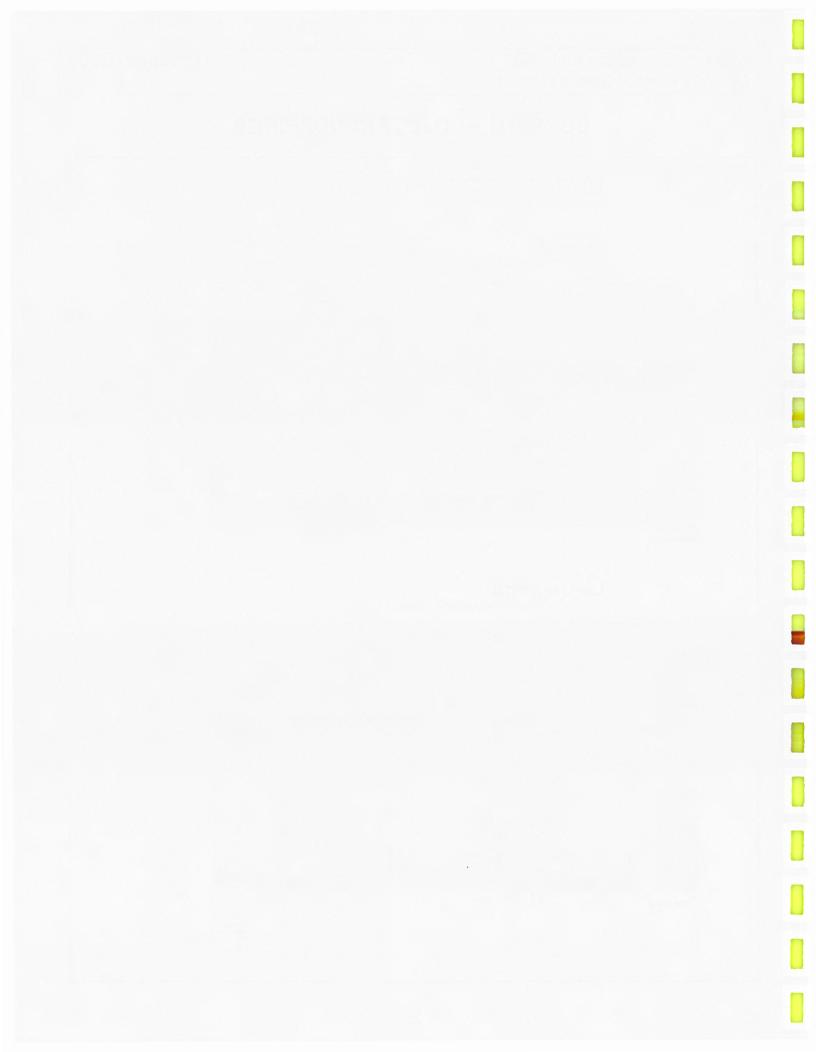


Existing

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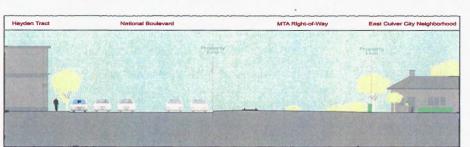
Proposed

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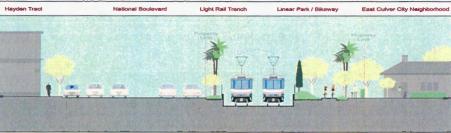




# East Culver City Typical Cross-Section on National from Ballona Creek to Washington Boulevard



#### Existing



#### **Proposed - Option A**



#### **Proposed - Option B**



**Proposed - Option C** 

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CII 02 Draphics by Suisman



## 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.

## LIST OF ACRONYMS

	AFE ATC CADD	Authorization For Expenditure Automatic Train Control Computer Aided Drafting and Design
	CALTRANS CD	California Department of Transportation 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
1	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
	FTÉ	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
		Los Angeles County Flood Control District
	LACMTA LADOT	Los Angeles County Metropolitan Transportation Authority Los Angeles Department of Transportation
	LADUI	Los Angeles Department or Mansportation
L		

## LIST OF ACRONYMS (Continued)

LADPW LADWP LAUSD LNTP LONP LPA LRT LRT LRTP LRV MIS MPSR MTA N/A NEPA NPDES NTE NTP OCIP P3 PC PE PEER PIP PM PMA PMIP PMA PMIP PMA PMIP PMA PMIP PMA PMIP PMA PMA PMIP PMA PMA PMIP PMA PMA PMIP PMA PMA PMA PMA PMA PMA PMA PMA PMA PM	Los Angeles Department of Public Works Los Angeles Unified School District Limited Notice To Proceed Letter Of No Prejudice Locally Preferred Alternative Light Rail Transit Long Range Transportation Plan Light Rail Vehicle Major Investment Study Monthly Project Status Report Metropolitan Transportation Authority 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 Project Manager Project Management Assistance Project Management Implementation Plan Project Management Plan (manual) Policies & Procedures Project Report Project Study Report Quality Assurance Report Ruality Assurance Report Raview Advisory Committee Rail Activation Group Request For Change Request For Proposal Record Of Decision
ROD ROD	Record Of Decision Revenue Operations Date
ROM	Rough Order of Magnitude

## LIST OF ACRONYMS (Continued)