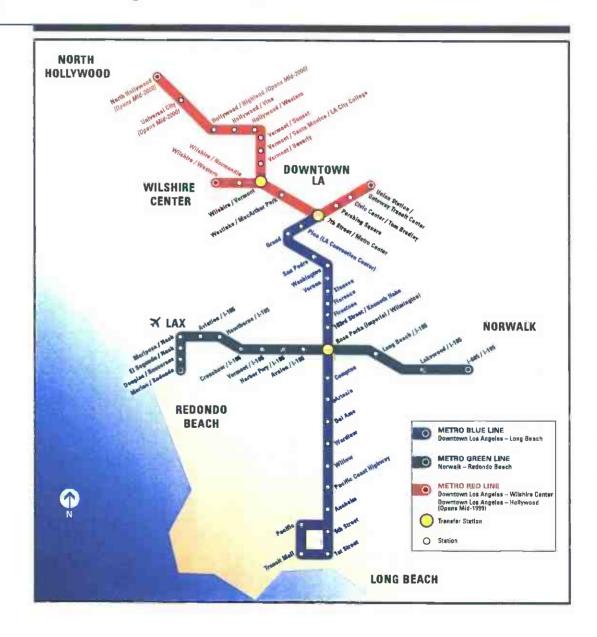
# MTA METRO CONSTRUCTION



# Executive Report Rail Program Status



June 1999

# **RAIL PROGRAM STATUS SUMMARY**

THE LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY
METRO CONSTRUCTION DIVISION

# **RAIL PROGRAM SUMMARY**



# EXECUTIVE SUMMARY RAIL PROGRAM STATUS

as of June 1999

	( ·	A 15	A seman	as ui	June 1	333				
METRO	RED Segment 1	RED Segment 2	RED Seg 3 N. Hollywd.	RED Seg 3 Mid-City	RED Seg 3 East Side	BLUE Long Beach/LA	BLUE Pasadena	GREEN	Light Rail Vehicle	Summary
Length	4.4 Mi.	6.7 Mi.	6.3 Mi.		•	22 Mi.		20 Mi.		59.4 Mi.
Number of Stations	5	8	3			22		14	52 cars	<b>52</b> stas.
Technology	Heavy Rail	Heavy Rail	Heavy Rail			Light Rail		Light Rail	Light Rail	
MTA Approved Opening Date	Jan 1993	Wilshire Jul 1996 Vermont Jun 1999	May 2000			July 1990		August 1995	Final Car Delivery Sept 2000	Final Completion Sept 2000
Design Status	Completed	Completed	99.5%	Project suspended	Project suspended	Completed	Project suspended	Completed	Based on Milestonee 98%	4 of 6 compitd.
Construction Status	Completed	Completed	83.1%	Project suspended	Project suspended	Completed	Project suspended	99%	Based on Milestones 74%	3 of 6 compltd.
Expenditures to Date (in mil.)	\$1438	\$1609	\$973	\$14	\$141	\$860	\$235	\$677	\$127	\$6074
MTA Approved Budget (in mil.)	\$1450	\$1739	\$1314	Project suspended	Project suspended	\$877	Project suspended	\$712	\$258	\$6350
Federal Funding	48%	41%	71%			0%		0%	30%	32%
State/Local Funding	52%	59%	29%			100%		100%	70%	68%

#### **METROPOLITAN TRANSPORTATION AUTHORITY**

				SOURCES (IN M	RLIONS)		JUNE 1999	
	METRO BLUE	METRO GREEN	METRO RED	METRO RED	METRO RED	LIGHT RAIL	TOTAL	
-	LINE	LINE	SEGMENT 1	SEGMENT 2	SEGMENT 3 - NH	VEHICLE	PRDGRAM	T ~
RIGINAL SCOPE:		• •	<del></del>	. •	-	•		<del>  *</del>
TA-SECTION 3		1	. 606.3	667.0	691.0		1953.3	3
TA - OTHER				,				1
STEA - FED SURFACE TRANSIT PROG				52.1	174.3	66.1	281.5	
ED-ISTEA RSTP/CMAO					90.6	8.1	86.7	
TA-SECTION 9	ł		90.6	:			90.8	}
STATE		105.9	210.3	133.0	148,5	16.4	614.1	
STATE TSM MATCH			1		10.5		10.5	
SB 1995 TRUST FUND			1		66.7		66.7	
PROPOSITION A	877.2	205.1	179.5	504.3			1766,1	
PROPOSITION C		401.3			59.2	123.8	584.3	
CITY OF LOS ANGELES			34.0	96.0	90.0		220.0	
BENEFIT ASSESSMENT	i		130.3				130,3	
COST OVERRUN ACCOUNT			200.1	191.3			391.4	
APPROVED BUDGET	877.2	712.3	1450.1	1643.7	1310.8	201.4	6195.5	
CURRENT FORECAST	877.2	716.3	1439.0	1645.3	1310.8	201.4	6190,0	Т
							_	
ADDITIONAL LOCALLY			i			1 [		Ĺ
UNDED ACTIVITIES:								Į
ROP C (ARTWGRK)					2.7		2.7	
PROP C (NON-REV. CONNECTOR)					0.3		0.3	
COST OVERRUN ACCOUNT				24.7			24.7	
PROP C (TRANSIT ENHANCEMENTS)				66.0	:		66.0	
PRIVATE FUNDS (KAISER HOSPITAL)				4.4			4.4	
APPROVED BUDGET	0.0	0.0	0.0	95, 1	3.0	0.0	98,1	t

Note: Metro Red Line Segment 3 Mid-City Extension, Metro Red Line Segment 3 East Side Extension, and Metro Pasadena Blue Line projects have been suspended and are not included on this chart.

Page 2

<sup>\*\*</sup> Original Scope Funding for the Light Rail Vehicle Project is shown as the Current Forecast not the Approved Budget.

**ENGINEERING** 

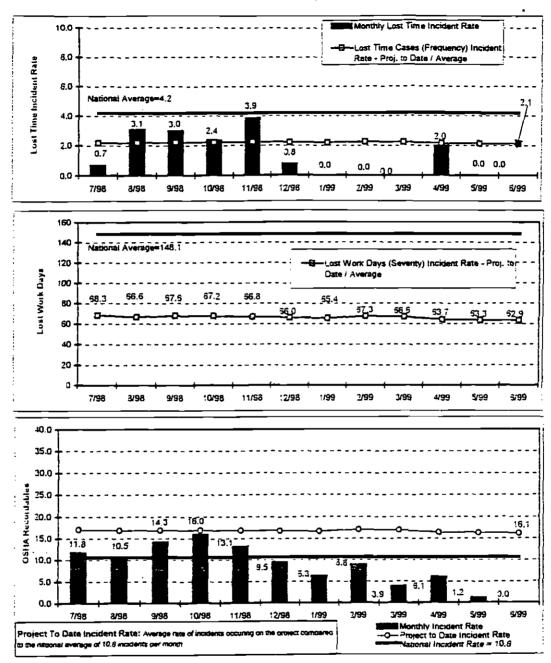
CONSTRUCTION

Page 3

**ച**una 1999

Prepared Sy.

Total Metro Safety Summary



March 12, 1997. The Bureau of Labor and Statistics issued the news release "Norkplace injuries and Illnesses in 1995."
 DSHA 200 Cases is now 10.6 and Lost Workpay Cases involving Days Away From Work is now 4.2.

# METRO RED LINE SEGMENT 2 Rail Program Status Summary Period Ending - June 25, 1999



#### PROJECT DESCRIPTION

Metro Red Line Segment 2 is a continuation of the Segment 1 system and consists of the design, construction, testing and startup operations for 6.63 miles of a two-track rapid transit line, all in subway, with eight stations, three double crossovers and one pocket track.

# STATUS OF FUNDS BY SOURCE (in \$ mil.)

Source	Total Funds Anticipated (in \$ mil.)	Total Funds Avallable (in \$ mil.)	Expend.
FTA - Section 3	\$522.4	\$522.4	\$522.4
FTA - Sect 3 Defer, Local	144.6	144.6	144.6
FFD ISTFA STP (State)	521	521	521
State of California	133.0	133.0	133.0
Proposition A	504.3	504.3	504.3
City of Los Angeles	96.0	96.0	96.0
Benefit Assessment Dist	0.0	0.0	0.0
Benefit Assess, Shortfall	0.0	25.4	25.4
Cost Overrun Account	191.3	82.1	75.9
TOTAL ADDITIONAL LOCALLY FUNDED ACTIVITIES	\$1643.7	\$1559.9	\$1553.7
Prop C Transit Enhance	66.0	55.3	55.3
Cost Overrun Account	24.7	.0.0	0.0
Private Funds Kaiser Hos	4.4 \$95.1	0.0 <b>\$55.3</b>	0.0 <b>\$55.3</b>

#### **SCHEDULE PROGRESS**

	Expended (in \$ Mil.)	Percent Complete
DESIGN		
Monthly Progress	2.3	0.0 %
Prior Cumulative Prog.	\$ 178.6	100.0
<b>Cumulative Progress</b>	180.9	100.0
CONSTRUCTION		
Monthly Progress	5.5	0.2 %
Prior Cumulative Prog.	\$1018.0	99.8
<b>Cumulative Progress</b>	1023.5	100.0
OTHER Cost Elements	\$ 404.6	
TOTAL	\$ 1609.0	

#### **BUDGET/FORECAST STATUS (in \$ mil.)**

Cost Element	Current Budget	Current Forecast
Construction	\$1049.9	\$1066.0
Professional Services	438.6	460.7
Real Estate	83.7	86.8
Utility Force Account	30.4	28.4
Special Programs	2.5	2.1
Contingency	39.9	3.5
Project Revenue	(1.3)	(2.2)
TOTAL ORIGINAL SCOPE	\$1643.7	\$1645.3

	Current Budget	Current Forecast
TOTAL ADDITIONAL LOCALLY FUNDED ACTIVITIES	\$95.1	\$93.5

#### **SCHEDULE STATUS**

REVENUE OPERATIONS DATE: June 12, 1999

A temporary certificate of occupancy was issued for the project on June 7, 1999. Revenue Operations began on June 12, 1999.

#### **CURRENT ACTIVITIES / ISSUES**

Remaining work includes completing system integration testing and construction punchlist items to enable the project to request a permanent certificate of occupancy in August 1999. Construction of the Kaiser Entrance at Vermont/Sunset Station continues.

# METRO RED LINE SEGMENT 3 NO. HOLLYWOOD Rail Program Status Summary Period Ending - June 25, 1999



#### PROJECT DESCRIPTION

The North Hollywood Extension includes three stations and extends 6.7 miles northwest from the terminus of Segment 2 at Hollywood/Vine to a new terminus at North Hollywood station. Two intermediate stations, one at Hollywood/Highland and another at Universal City, complete this extension.

#### **SCHEDULE PROGRESS**

	Expended	Percent
/	(in \$ Mil.)	Complete
DESIGN		
Monthly Progress	0.9	0.6 %
Prior Cumulative Prog.	\$ 83.1	98.9
<b>Cumulative Progress</b>	84.0	99.5
CONSTRUCTION		
Monthly Progress	6.7	1.0 %
Prior Cumulative Prog.	\$ 627.1	82.1
<b>Cumulative Progress</b>	633.8	83.1
OTHER Cost Elements	\$ 254.8	
TOTAL	\$ 972.6	

#### STATUS OF FUNDS BY SOURCE (in \$ mil.)

Source	Total Funds Anticipated (in \$ mil.)	Total Funds Available (in \$ mil.)	Expend.
FTA - Section 3	\$544.8	\$374.2	\$424.1
FTA - Sect 3 Defer. Local	136.2	93.5	106.0
FED ISTEA STP (State)	174.3	50.0	50.0
FED ISTEA STP/CMAQ	71.4	71.4	71.4
FED ISTEA RSTP Defer	9.2	9.2	9.2
SB 1995 Trust Fund	66.7	66.7	66.7
State SHA/Article XIX	64.8	48.7	48.7
State Proposition 116	57.7	57.7	57.1
State TSM Match	10.5	10.5	10.5
State Congestion Relief	26.0	26.0	26.0
City of Los Angeles	90.0	55,5	55.5
Proposition C	59.2	59.4	46.5
Benefit Assessment Dist	0.0	0.0	0.0
TOTAL	\$1310.8	\$922.8	<b>\$971.</b> 7
ADDITIONAL LOCALLY			
FUNDED ACTIVITIES			
Prop C (Artwork)	2.7	0.9	0.9
Prop C (Non-Rev Connect)	0.3	0.0	0.0
TOTAL	\$3.0	\$0.9	\$0.9

#### **BUDGET/FORECAST STATUS (in \$ mil.)**

Cost Element	Current Budget	Current Forecast
Construction	\$824.7	\$846.9
Professional Services	300.8	310.4
Real Estate	89.0	86.3
Utility Force Account	26.3	26.6
Special Programs	0.0	0.0
Contingency	69.6	38.0
Project Reserve	0.4	2.6
Project Revenue	0.0	0.0
TOTAL ORIGINAL SCOPE	\$1310.8	\$1310.8

	Current Budget	Current Forecast
TOTAL ADDITIONAL LOCALLY FUNDED ACTIVITIES	\$3.0	<b>\$28.</b> 7

#### SCHEDULE STATUS

#### REVENUE OPERATIONS DATE: May 2000

Although the FTA FFGA stipulates project completion on December 12, 2000, the current planned completion date is May 17, 2000 the forecast for completion is June 29, 2000.

#### **CURRENT ACTIVITIES / ISSUES**

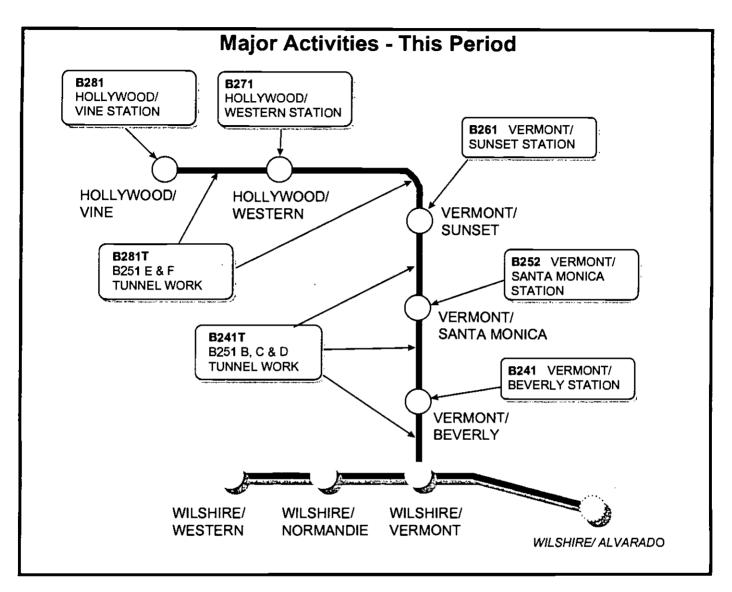
The project is forecasting a \$28.7 m overrun to the current budget largely due to increased agency overhead costs.

# **METRO RED LINE SEGMENT 2**

**EXECUTIVE SUMMARY** 

Quarterly Project Status Report Period Ending - June 1999





#### SYSTEMWIDE ACTIVITIES:

MTA opened the Hollywood Extension of the Metro Red Line on the weekend of June 12 and 13, 1999. Nearly a quarter of a million riders took advantage of the fare-free celebration. The public overwhelmingly expressed appreciation for the unique design qualities of the stations and the pleasant, clean subway ride. Since the opening, Hollywood merchants have reported a significant increase in foot traffic as well as business.

BARNSDALL PARK: Completed restoration of Barnsdall Park on June 15, 1999; completed grading, sidewalks, and hydro-seeding of the area.

B620 AUTOMATIC TRAIN CONTROL (ATC) INSTALLATION: Continued with the Vehicle Carborne testing and certification. Completed support of the system integration test (I-424, I-425) from CCF.

B645 TRACS: Two major downloads were completed, addressing all critical issues required to be completed prior to start of revenue service.

B648B COMMUNICATION INSTALLATION: Completed required testing prior to start of revenue service.

Quarterly Project Status Report Period Ending - June 1999



#### **FACILITY ACTIVITIES**

B241 VERMONT/BEVERLY STATION: Completed floor repair work on the platform. Continued punchlist work.

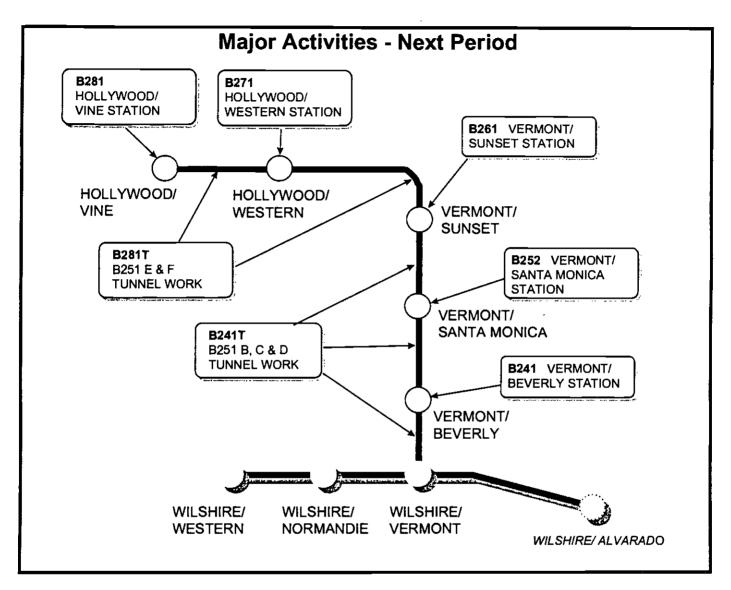
B261 VERMONT/SUNSET STATION: Completed work on station finishes and continued with punchlist work.

#### B263 ENTRANCE AT KAISER HOSPITAL: Completed the installation of reinforcement for the level 2 interior walls and ancillary roof slab. Continued to backfill as areas were made available and started rebar installation for emergency exit stairs. Critical traction power elevator shop drawings were approved as noted.

B290 ANCILLIARY CONSTRUCTION AND MAINTENANCE: Completed support of the system integration testing required for the start of revenue service. Completed final cleaning and polishing of the facilities.

Quarterly Project Status Report Period Ending - June 1999





#### SYSTEMWIDE ACTIVITIES:

B645 TRACS: Complete work on remaining Phase II Discrepancy Reports and plan for downloads as necessary to resolve all outstanding TRACS issues.

B710 ELEVATOR AND ESCALATOR: Continue to support post revenue operations with a dedicated Elevator and Escalator team.

#### **FACILITY ACTIVITIES**

B263 ENTRANCE AT KAISER HOSPITAL: Continue placement of concrete for emergency exit stairs. Continue installation of reinforcement for the level 2 slab. Contractor to submit schedule mitigation plan traction elevator scope of work.

METRO RED LINE Segment 2 Quarterly Project Status Report Period Ending - June 1999



# **QUALITY ASSURANCE**

QARs (Quality Action Request)	Segment 2
QAR's Closed	6
QAR's Open	25
QAR's Response Due	3
Current Period Surveillances	29

Quarterly Project Status Report Period Ending - June 1999



# Budget/Forecast Variance Original Scope Activities (\$ Millions)

COST ELEMENT	CURRENT BUDGET	CURRENT FORECAST	VARIANCE	JUNE CHANGE IN FORECAST
CONSTRUCTION	\$1,049.9	\$1,066.0	\$16.1	\$0.2
PROFESSIONAL SERVICES	\$438.6	\$460.7	\$22.1	\$1.9
REAL ESTATE	\$83.7	\$86.8	\$3.1	\$0.8
THIRD PARTY	\$30.4	\$28.4	(\$2.0)	\$0.0
SPECIAL PROGRAMS	\$2.5	\$2.1	(\$0.4)	(\$0.4)
PROJECT CONTINGENCY	\$39.9	\$3.5	(\$36.4)	(\$0.5)
PROJECT REVENUE	(\$1.3)	(\$2.2)	(\$0,9)	(\$0.8)
TOTAL PROJECT	\$1,643.7	\$1,645.3	\$1.6	\$1.2

# **Budget/Forecast Variance Analysis Original Scope Activities**

Due to rounding, some values may differ from the Cost Management System (CMS).

Expenditures through May 1999 for Original Scope are \$1,553.7 million or 94.4% of the current total forecast.

Commitments to date for Original Scope are \$1,586.1 million or 96% of the current total forecast.

The total undertaking budget remains at \$1,738.8 million. The Original Scope budget remains as approved by the MTA Board in July 1998.

The total forecast for Original Scope increased \$1.2 million to \$1,645.3 billion (Total forecast remains unchanged).

Construction forecast decreased (\$190) thousand due to:

- B290 \$2.8 million, revised contract value
- H0631 \$30 thousand, temporary traction power
- OCIP (\$3.6) million, based on FY2000 budget
- B261 \$1.4 million, hazardous waste disposal claim
- Capital equipment, hazardous materials, startup (\$2.0) million
- Other construction contracts \$2 million, EAC based on current value, plus pending and a re-evaluation of allocated contingency and potential changes. Major contracts included B252, B271, B241, B281, B610, B631, B641, B645, and B648B.
- Miscellaneous corrections \$281 thousand for MOW yard off-loading facility and the sinkhole insurance settlement.
- B251 final settlement value (\$737) thousand

Quarterly Project Status Report Period Ending - June 1999



# Budget/Forecast Variance Analysis (Cont.) Original Scope Activities

Professional Services forecasted increased \$1.848 million due to:

- PM021 Fluor-Daniel increased support \$1.6 million
- Claims consultant \$100 thousand
- E0110 Booz-Allen-Hamilton startup/testing support \$148 thousand

Real Estate forecast increased \$824 thousand due to analysis of final costs including Barnsdall Park.

Special Programs forecast decreased (\$371) thousand due to recognition that station contractors had incurred costs on behalf of the ART program.

Project Revenue decreased (\$786) thousand in recognition of actuals reflected in FIS.

Contingency decreased (\$528) thousand due to offset of the above. The forecast balance is \$3.509 million.

Quarterly Project Status Report Period Ending - June 1999



#### Budget/Forecast Variance Additional Locally Funded Activities (\$ Millions)

COST ELEMENT	CURRENT BUDGET	CURRENT FORECAST	VARIANCE	JUNE CHANGE IN FORECAST
CONSTRUCTION	\$50.9	\$51.7	\$0.8	(\$0.4)
PROFESSIONAL SERVICES	\$44.2	\$41.8	(\$2.4)	\$0.0
REAL ESTATE	\$0.0	\$0.0	\$0.0	\$0.0
THIRD PARTY	\$0.0	\$0.0	\$0.0	\$0.0
SPECIAL PROGRAMS	\$0.0	\$0.0	\$0.0	\$0.0
PROJECT CONTINGENCY	\$0.0	\$0.0	\$0.0	(\$0.8)
PROJECT REVENUE	\$0.0	\$0.0	\$0.0	\$0.0
TOTAL ADDITIONAL LOCALLY FUNDED ACTIVITIES	\$95.1	\$93.5	(\$1.6)	(\$1.2)

# Budget/Forecast Variance Analysis Additional Locally Funded Activities

Due to rounding, some values may differ from the Cost Management System (CMS).

Expenditures through May 1999 for Additional Locally Funded Activities are \$55.3 million or 59.1% of the current total forecast.

Commitments to date for Additional Locally Funded Activities are \$71.2 million or 75.4% of current total forecast.

The current total forecast decreased (\$1.2) million in June.

Construction forecast was revised to \$51.7 million, a decrease of (\$400).

- B263 Kaiser Entrance had allocated contingency reduced while leaving 20% on remaining work

Professional Services remained unchanged at \$41.8 million.

Contingency decreased (\$800) thousand to \$0. The remaining work is at Kaiser Entrance, which has 20% contingency built-in. The Transit Enhancement contingency was transferred to Project Scope.

Contract/Line Item Variance: None.

Contract Variance: None.

Quarterly Project Status Report Period Ending -June 1999



# **Status Of Funds By Source**

(\$ Millions)

SOURCE	ORIGINAL BUDGET	TOTAL FUNDS ANTICI-	TOTAL FUNDS AVAIL-	COMMIT- MENTS \$	COMMIT- MENTS %	EXPENDI- TURES	EXPENDI- TURES %	BILLED TO SOURCE	BILLED TO SOURCE
		PATED	ABLE	,	,,,	•	/6		70
Original Scope			_						
FTA SECTION 3	\$667.000	\$522.396	\$522.396	\$522.396	100%	\$522.396	100%	\$522.396	100%
FTA SECTION 3 DEFERRED LOCAL SHARE	\$0.000	\$144.604	\$144.604	\$144.604	100%	\$144.604	100%	\$144.604	100%
FED ISTEA STP (STATE)	\$0.000	\$52.100	\$52.100	\$52.100	100%	\$52.100	100%	\$52.100	
STATE	\$185.985	\$133.029	\$133.029	<b>\$</b> 133.029	100%	\$133.029	100%	\$133.029	100%
PROPOSITION A	\$439.447	\$504.299	\$504.299	\$504.299	100%	\$504.299	100%	\$504.299	
CITY OF LOS ANGELES	\$96.000	\$96.000	\$96.000	\$96.000	100%	\$96.000	100%	\$96.000	
BENEFIT ASSESSMENT	\$58.000	\$0.000	\$0.000	\$0.000	0%	\$0.000	0%	\$0.000	
BENEFIT ASSESSMENT SHORTFALL	\$0.000	\$0.000	\$25.400	\$25.400	0%	\$25.400	0%	\$25.400	
COST OVERRUN ACCOUNT	\$0.000	\$191.233	\$82.063	\$108.270	57%	\$75.899	40%	\$75.899	
Total Original Scope	\$1,446.432	\$1,643.661	<b>\$1,559.8</b> 91	\$1,586.098	96%	\$1,553.727	95%	<b>\$1,553.727</b>	
Other Locally Funded Activities		,							
PROP C (TRANSIT ENHANCEMENTS)	\$0.000	\$65.968	\$55.303	\$65.968	100%	\$55.303	84%	\$55.303	84%
COST OVERRUN ACCT.	\$0.000	\$24.708	\$0.000	\$5.274	21%	\$0.000	0%		
PRIVATE FUNDS (KAISER HOSPITAL)	\$0.000	\$4.434	\$0.00	\$0.000	0%	\$0.000	0%	\$0.000	
Total Other Locally Funded Activities	\$0.000	\$95.110	\$ <u>55.</u> 303	\$71.242	75%	\$55.303	58%	\$55.303	

# Status Of Funds By Source Analysis

STATUS OF FUNDS ANTICIPATED

BENEFIT ASSESSMENT

Funds are no longer expected due to passage of Proposition 102 (Right to Vote on Tax Initiatives).

**COST OVERRUN ACCOUNT** 

Quarterly Project Status Report Period Ending -June 1999



The CAPRA account cash balance as of May 31, 1999 is \$26,131,943.

The revised budget growth is funded as follows:

CAPRA:

\$21.6M

Prop A:

\$194.3M

**FISCAL YEAR 1999 BUDGET** 

The approved budget is 86.0M with funding to be provided by the following sources:

City of Los Angeles:

\$1.9M

Prop A 35% Rail Bond:

\$84.1M (will also be used to fund part of the Cost Overrun Account)

**FUTURE FUNDING NEEDS** 

Future funding needs have been incorporated into the MTA long range transportation plan based on projected cashflow expenditures.

Quarterly Project Status Report Period Ending - June 1999



# Schedule - Vermont/Hollywood Corridor

	Current Status	Change from Last Month
Current ROD	May 1999	-31 days
Design Progress	100.0%	none
Critical Path Float	0 days	none
Construction Progress	100.0%	+0.2%

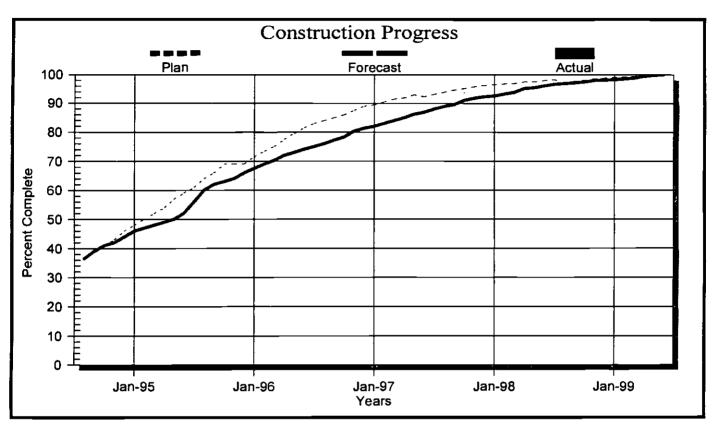
# **Current Critical Path Analysis**

A temporary certificate of occupancy was issued for the Project on June 7, 1999.

Revenue Operation Date (ROD) was achieved on June 12, 1999. The most prominent activities to be completed are Phase II system integration testing activities, which are forecast to be completed by July 31, 1999.

Quarterly Project Status Report Period Ending - June 1999





# **Construction Progress Analysis**

The project physical progress measurement (PPM) cumulative actual to date is 100% versus the planned of 100%. All physical work was substantially completed and the system was opened to the public on June 12, 1999.

The Segment 2B completion plan includes the remaining Phase II integration tests and contractual milestone completion work. The project PPM excludes the Kaiser Entrance since it is not ROD related and will not be completed until year 2000.

Quarterly Project Status Report Period Ending - June 1999



# **Construction Safety Statistics**

Project-to-Date-Rates	Current Status	Last Month		
Recordable Injury Rate				
National Average	10.6			
Project Rate (Cum.)	17.1	-0.2		
Lost Time Rate (Freq.)		_		
National Average	4.2			
Project Rate (Cum.)	2.3	попе		

Recordable Injury Rate:

The number of recorded injuries excluding simple first aid or minor medical

treatment, per 100 man years.

Lost Time Incident Rate:

The number of injuries resulting in days away from work, per 100 man years.

# **Construction Safety Summary**

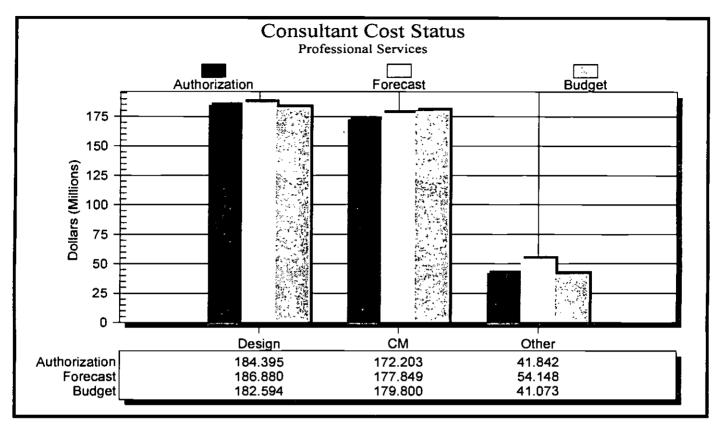
· The Project-to-Date Lost Time Injury Rate continues at 2.3. This rate is below the 1995 National Average of 4.2.

· The project completed over 97,000 work hours in May 1999 and has produced over 14,350,000 work hours to date without a fatal injury.

Statistics reflect injuries through May 1999.

Quarterly Project Status Report Period Ending - June 1999





# **Professional Services Cost Analysis**

Due to rounding, some values may differ from the Cost Management System (CMS).

There were changes to Design Services, Construction Management, or Other Professional Services during this period.

**Design Services:** 

The forecast remained unchanged during this period.

Construction Management:

The forecast remained unchanged during this period. Board Report addressing staffing to completion is in process for July 1999.

Other Professional Services:

The forecast changed during this period due to changes in the Fluor-Daniel forecast and an additional purchase order for claims support.

The budget reflects the budget approved by the Board in July 1998.

Quarterly Project Status Report Period Ending - June 1999



# **Management Issues**

**ONGOING** 

Item (Initiated October 1998)

Sufficiency of Project Contingency/Claims Allowance

Concern/Impact

Concern was expressed regarding the sufficiency of project contingency reserves in the light of claim and closeout exposure.

Status/Action

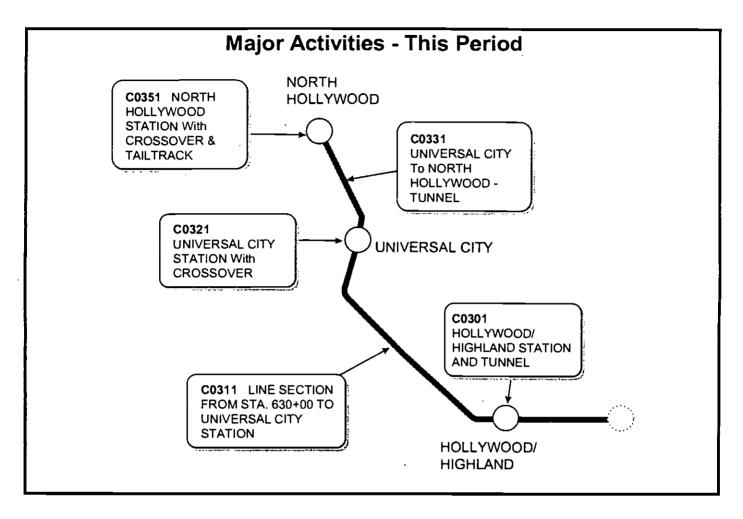
The overall contingency balance appears to be sufficient at this time to meet the claims and other exposures under present assumptions and will be continued to be monitored and evaluated contract by contract over the next few months. Tracking and monitoring of claim settlements and exposures, as compared to amounts budgeted, is now being implemented.

# METRO RED LINE SEGMENT 3 NORTH HOLLYWOOD EXTENSION

**EXECUTIVE SUMMARY** 

Quarterly Project Status Report Period Ending - June 1999





#### SYSTEMWIDE ACTIVITIES:

#### **DESIGN ACTIVITIES:**

C0322 (UCS Pedestrian Undercrossing) continued work toward the pre-final submittal.

C0390 (Miscellaneous Construction) completed camera ready.

C1326 (UCS Freeway Overcrossing & Ramps) completed Addendum #7.

C3326 (UCS Bus Plaza, Parking Lot) completed Addendum #2.

#### **CONSTRUCTION ACTIVITIES:**

B620 (Automatic Train Control) contractor continues installation of 34.5KV conduits in the C0311 left alignment (AL) tunnel and began cable-pulling activity. ATC wayside equipment installation and

ATC cabling commenced at North Hollywood crossovers.

B630/H0631 (Traction Power System Installation) completed DC conduit at North Hollywood Station; installation of DC system at track level rooms (TLR) and at Hollywood/Highland Station is near completion; completed DC cable connections at midvent shaft. Continued DC wayside cable pulling and connections at North Hollywood, Universal City and Hollywood/Highland stations. Started DC equipment and cable testing at Universal City and C0311 tunnels.

B645 (TRACS) contractor continues work on database, graphic displays and layout development. Fabrication of the Remote Terminal Unit (RTU) cabinets continues.

Quarterly Project Status Report Period Ending - June 1999



B646 (Fire and Emergency Management) base contract work continues. Local field acceptance testing (LFAT) was not done; change order work is still outstanding. Hollywood/Highland and TLR/C0311 FAT were completed. CN-92 hardware was delivered and drawings were given to H0648 for North Hollywood and MVS installation of fire detection and suppression sub-systems.

B710 (Escalators and Elevators) contractor is developing a completion schedule for North Hollywood Extension. Continue to work at all three North Hollywood stations.

B760 (Signs and Graphics) contractor is currently working on fabricating signs for plaza parking and station pylon at Universal City Station under a change order. The signs will be delivered in July 1999.

B795 (Uninterruptible Power Supply) continued to procure the 80KVA unit for track level room (TLR). Completed the UPS (40KVA) commissioning at North Hollywood Station. Continue to charge batteries and perform tests.

H0648 (Communication Installation) installed seismic detector units and continued to install cable. Cable continuity tests for various subsystems are also in progress. Completed installation of seismic grid and continued installation of cabinets in the TC& C room at Hollywood/Highland Station. Installed blue light stations and cables in the AL/AR tunnels, and continued to install conduits/cables at the mid-vent shaft (A135).

C0311 LINE SECTION FROM STATION 630+00 TO UNIVERSAL CITY: Started final clean-up operations and demobilization.

C0321 UNIVERSAL CITY STATION: Completed air balance tests.

C1610 TRACKWORK INSTALLATION:
Milestone #12 was met on June 6. Completed rail electrical testing and track geometry testing in all areas. Continued Stage 1 rock drilling and supplemental formation grouting in C0311.

MS201 HOLLYWOOD BOULEVARD STREET RESTORATION:

Completed miscellaneous sanitary sewer system work, asphalt block paving and continued

replacement of terrazzo on north and south sides of Hollywood Blvd.

Quarterly Project Status Report Period Ending - June 1999



# **Quality Assurance**

**SEGMENT 3** 

QAR's Closed 1

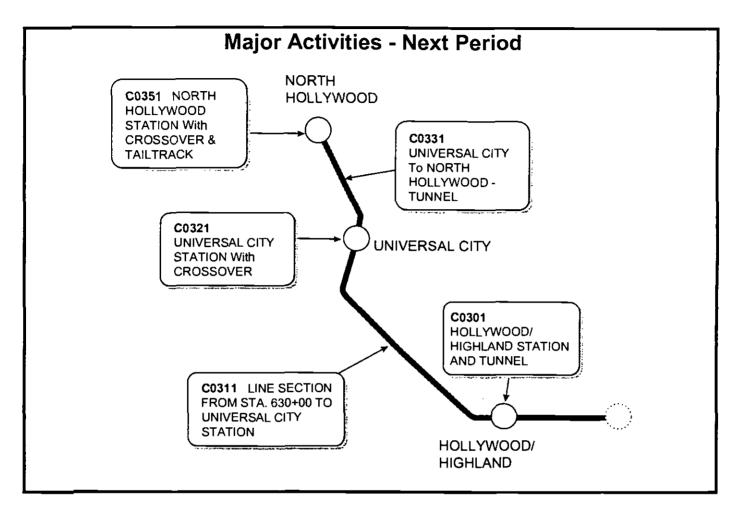
QAR's Open 6

QAR Responses Due 3

Current Period Surveillances 15

Quarterly Project Status Report Period Ending - June 1999





#### SYSTEMWIDE ACTIVITIES:

#### **DESIGN ACTIVITIES:**

C0322 (UCS Pedestrian Undercrossing) continue towards the completion of the pre-final design submittal scheduled for 7/21/99.

#### **CONSTRUCTION ACTIVITIES:**

B620 (Automatic Train Control) complete installing 34.5KV cable in the C0311 tunnels. Complete installation, splicing and testing of fiber optic and communication cable in the tunnels. Continue critical ATC wayside equipment and cable installation.

B630/H0631 (Traction Power System Installation) complete DC cable pulling at Hollywood/Highland, Universal City and North Hollywood stations. Commence DC cable pulling at Crosspassages 57,

53, and 44. Install DC feeders on the wayside, and complete equipment and cable testing at TLR and Hollywood/Highland. Start DC equipment and cable testing at Hollywood/Highland and North Hollywood stations.

B645 (TRACS) continue graphic displays and layout development. Begin assembly of RTU circuit boards.

B646 (Fire and Emergency Management) complete North Hollywood and Hollywood/Highland local field acceptance testing (LFAT) of base contract work and Fire/Life/Safety design change work. Begin LFAT of fire detection suppression at Universal City Station.

B710 (Escalators and Elevators) continued work at all stations.

Quarterly Project Status Report Period Ending - June 1999



B760 (Signs and Graphics) complete delivery of site signs and pylon for Universal City Station entrance.

B795 (Uninterruptible Power Supply) continue to commission the available units. Complete procuring the 80KVA for TLR. Complete repairing equipment at all stations and complete installation of the 80KVA unit at Hollywood/Highland Station.

H0648 (Communications Installation) start and complete installation of fire detection/ suppression units at Universal City and North Hollywood stations. Continue installing cables and devices at Hollywood/Highland Station and mid-vent shaft. Continue work on the radio system in North Hollywood Station, mid-vent shaft and the tunnels.

C0301 HOLLYWOOD/HIGHLAND STATION AND TUNNELS COMPLETE:
Commission 80 KVA Uninterruptible Power Supply (UPS).

C0311 LINE SECTION FROM STATION 630+00 TO UNIVERSAL CITY: Complete demobilization.

C0321 UNIVERSAL CITY STATION: Commission Uninterruptible Power Supply.

C1610 TRACKWORK INSTALLATION: Continue supplemental formation grouting operation in C0311 AR and AL tunnels. Start Stage 2 grouting. Start fabrication of precast panels for shaft closures. Begin demobilization.

MS201 HOLLYWOOD BOULEVARD STREET RESTORATION:
Complete finish work of terrazzo.

Quarterly Project Status Report Period Ending - June 1999



# **Budget/Forecast Variance**

Original Scope Activities (\$ Millions)

COST ELEMENT	CURRENT BUDGET	CURRENT FORECAST	VARIANCE	June Change in Forecast
PROJECT RESERVE	\$0.4	\$2.6	\$2.3	\$0.0
CONSTRUCTION	\$824.7	\$846.9	\$22.2	(\$0.6)
PROFESSIONAL SERVICES	\$300.8	\$310.4	\$9.6	\$0.0
REAL ESTATE	\$89.0	\$86.3	(\$2.8)	\$0.0
UTILTY/AGENCY FORCE ACCOUNTS	\$26.3	\$26.6	\$0.3	\$0.0
SPECIAL PROGRAMS	\$0.0	\$0.0	\$0.0	\$0.0
PROJECT CONTINGENCY	\$69.6	\$38.0	(\$31.6)	\$0.6
PROJECT REVENUE	\$0.0	\$0.0	\$0.0	\$0.0
TOTAL PROJECT	\$1,310.8	\$1,310.8	\$0.0	\$0.0

# **Budget/Forecast Variance Analysis**

**Original Scope Activities** 

Total Original Scope Expenditures through May 1999: \$962.1 million. Total Original Scope Commitments through June 1999: \$1,069.3 million.

The Current Budget and Current Forecast totals remain unchanged at \$1,310.8 million.

However, there were a number of Forecast Changes within the Project Elements which were offset by Project Contingency as follows:

Contract C0311 (Tunnels: UC Sta to 630+00) - Forecast decreased by \$1.0 million due to the final negotiated value for Claim #6 - "Differing Site Conditions Reach 1" at a lower than anticipated value.

Contract C0390 (Misc. Construction) - Forecast increased \$1.5 million due to the June 1999 bid opening. The forecast is adjusted to reflect the lowest bid plus a 10% allowance for contingency.

Contract B641 (Radio) - Forecast decreased \$0.9 million due to a re-evaluation of the contract contingency for the remaining work to go.

Contract B646 (Fire & Emergency Mgmt.) - Forecast decreased \$0.7 million due to a re-evaluation of the contract contingency for the remaining work to go.

Contract C2326 (L.A. River Bridge Widening) - Forecast increased \$0.4 million to reflect the lowest bid plus a 10% allowance for contingency.

Contract MS201 (Hollywood Blvd. Restoration) - Forecast increased by \$0.1 million primarily due to the negotiation of lower than anticipated credit for scope deletion.

Quarterly Project Status Report Period Ending - June 1999



# **Budget/Forecast Variance**

Additional Locally Funded Activities (\$ Millions)

COST ELEMENT	CURRENT BUDGET	CURRENT FORECAST	VARIANCE	June Change in Forecast
CONSTRUCTION	\$1.9	\$0.2	(\$1.7)	\$0.0
PROFESSIONAL SERVICES	\$0.7	\$27.6	\$26.9	\$0.0
UTILTY/AGENCY FORCE ACCOUNTS	\$0.0	\$0.0	\$0.0	\$0.0
SPECIAL PROGRAMS	\$0.0	\$0.9	\$0.9	\$0.0
PROJECT CONTINGENCY	\$0.4	\$0.0	(\$0.4)	\$0.0
PROJECT REVENUE	\$0.0	\$0.0	\$0.0	\$0.0
TOTAL ADDITIONAL LOCALLY FUNDED ACTIVITIES	\$3.0	\$28.7	\$25.7	\$0.0

# **Budget/Forecast Variance Analysis**

**Additional Locally Funded Activities** 

Total ALFA Expenditures through May 1999: \$10.5 million. Total ALFA Commitments through June 1999: \$11.1 million.

"Additional Locally Funded Activities" (ALFA) are defined as Design and Construction activities for new scope elements that are added to the original scope of a project after Project Adoption (approval) by the Board of Directors. The Baseline Project Budget is based on the original scope; thus costs for new requirements are identified and managed separately as ALFA. ALFA work scope may include transit enhancements, new legislative requirements, Non Revenue Connectors, Metro A-R-T Program and other Board or FTA requirements not originally envisioned at Project Adoption. Unforeseen or differing site conditions are not considered ALFA. Lastly, ALFA categorized work scope are funded by local grant sources but may later be subject to Federal funding upon FTA concurrence or agreement; particularly if the ALFA activity was an FTA requirement. The Current Budget contains approximately \$3.0 million in ALFA categories under the Construction, Professional Services and Contingency elements.

Contract S019 (MTA Project Admin.) - The current cumulative ALFA forecast represents the portion of the projected estimate at completion costs in excess of the budgeted \$62.0 million carried under "Original Scope." The total ALFA overrun is currently projected at \$27.0 million with the total Administration costs cumulatively forecast at \$89.0 million for the June 1999 period.

Quarterly Project Status Report Period Ending – June 1999



#### STATUS OF FUNDS ANTICIPATED

FTA SECTION 3:

MTA submitted a grant application for \$61,624,426 of Section 3 Funds in January 1999 for the North Hollywood Project. Grant application is expected to be approved in July 1999. MTA submitted a grant application for \$7,940,000 of Section 3 Funds in January 1999 for the Reevaluation / Major Investment Study and Draft SEIS/EIR, and Conceptual Engineering of Cost Effective Alternatives for the East Side and the Mid City/Westside Transit Corridor studies. Grant application is expected to be approved in July 1999.

FTA SECTION 9
FED ISTEA/CMAQ:

Grant award was approved on August 27, 1997 for FY 96 CMAQ \$20 million for the East Side Project. Funds will not be available for drawdown until a revised Full Funding Grant Agreement (FFGA) is approved by FTA. MTA submitted a grant application on March 31, 1998 for \$20.7 million of CMAQ funds to be allocated to the North Hollywood Project. Grant was awarded and executed on February 8, 1999. Funds are available for drawdown.

FTA SECTION 9
FED ISTEA/STP:

Grant award for \$75 million of STP funds was approved on August 27, 1997. Funds are now available for drawdown with the exception of \$25 million allocated to the Eastside Project. These funds will not be available for drawdown until a revised FFGA is approved by FTA. MTA submitted a request to CTC to reprogram STP funds initially earmarked for LA Rail Car Project to the North Hollywood Project for a total of \$7.8 million. CTC approved MTA request on March 31, 1998. MTA submitted in March 1999 a FY 99 grant application of \$124,344,400 of Section 9 STP funds for Segment 3 North Hollywood Project. Grant approval is expected in August 1999.

MTA submitted on June 27, 1997 an allocation request to the CTC for \$20 million of

STATE SHA:

State Highway Account (SHA) funds for the North Hollywood Project. Approval was obtained in February 1998. On May 5, 1998, the CTC approved \$26 million of State SHA for the North Hollywood Project. The fund transfer agreement was executed in July 1998. MTA submitted on October 27, 1998 an allocation request to the CTC for \$6.5 million of SHA funds for the North Hollywood Project. CTC approved the allocation request in November 1998 but changed the color of money: \$5,754,400 STP - \$745,600 SHA. CTC approved in December 1998 an allocation request for \$15,410,000 of SHA funds. MTA received in February 1999 a fund transfer agreement from Caltrans for \$745,600 and is expected to receive the \$15.41 million fund transfer agreement in July 1999. Both fund transfer agreements are expected to be executed respectively in July and August 1999.

CITY OF LA:

A fund transfer agreement was executed on July 24, 1997 for a total amount of \$200 million. The first installment totaling \$55.44 million has been drawn down.

BENEFIT

ASSESSMENT: Funds are no longer expected due to passage of Prop. 218 (Right to Vote on Tax

Initiatives).

#### **JUNE 1999**

#### STATUS OF FUNDS BY SOURCE

	(Ā) ORIGINAL	(B) TOTAL	(C) TOTAL	(D) COMM	(D/B) ITMENTS	(E) EXPEN	(E/B) IDITURES	(F) BILLED TO	(F/B) FUNDIN
SOURCE	BUDGET	FUNDS ANTICIPATED (1)	FUNDS AVAILABLE	<b>. .</b>	%	\$	%	SOURC \$	CE %
ORIGINAL SCOPE:		• •							_
FTA-SECTION 3	\$681.037	<b>\$</b> 544.830	\$374.237	<b>\$</b> 484.346	89%	\$424.129	78%	\$374.237	69%
FTA-SECTION 3 DEFERRED LOCAL SHARE	Ē	\$136.207	\$93.559	\$121.086	89%	\$106.032	78%	<b>\$</b> 93.559	69%
FED ISTEA STP (STATE)	\$0.000	\$174.344	\$50.000	\$65.810	38%	\$50.000	29%	\$50.000	29%
FED ISTEA STP/CMAQ (REGIONAL)	\$25.000	\$71,358	\$71.358	\$71,358	100%	<b>\$</b> 71.358	100%	<b>\$</b> 71.358	100%
FED ISTEA RSTP DEFERRED LOCAL SHAF	RE	\$9.245	\$9.245	\$9.245	100%	\$9.245	100%	\$9.245	100%
SB 1995 TRUST FUND	\$53.000	\$66,690	\$66.690	(2) \$66.690	100%	\$66.690	100%	\$66.690	100%
STATE SHA/ARTICLE XIX	\$115.000	\$64.811	\$48.656	\$64,811	100%	\$48.656	75%	<b>\$</b> 48.656	75%
STATE PROP 116	\$0.000	\$57.652	\$57.652	\$57.152	99%	<b>\$5</b> 7.15 <b>2</b>	99%	\$57.152	99%
STATE TSM Match	\$0.000	\$10.537	\$10.537	\$10.537	100%	\$10.537	100%	\$10.537	100%
STATE FLEXIBLE CONGESTION RELIEF	\$0.000	\$26.000	\$26.000	\$26.000	100%	\$26.000	100%	\$26.000	100%
CITY OF LA	\$101.500	\$90.000 (3)	\$55.446	\$55.446	62%	\$55.446	62%	\$55.446	62%
PROP C	\$318.185	\$59.148	\$59.377	\$46.416	78%	\$46.416	78%	\$46.416	78%
BENEFIT ASSESS. DISTRICT	\$17,100	\$0.000 (5)	\$0	\$0	0%	<b>\$</b> 0	0%	\$0	0%
TOTAL	\$1,310.822	\$1,310.822	\$922.757	(4) \$1,078.897	82%	\$971.661	74%	\$909.296	69%
OTHER LOCALLY FUNDED ACTIVITIES:				•	_				
PROP C (ARTWORK)	\$0.000	\$2.435	\$0.916	\$1,467	60%	\$0.916	38%	\$0.916	38%
PROP C (NON-REV. CONNECTOR)	\$0.000	\$0.285	\$0.003	\$0.077	27%	\$0.003	1%	\$0.003	1%
TOTAL	\$0.000	\$2.720	\$0.919	<b>\$</b> 1.544	57%	\$0.919	34%	\$0.919	34%



<sup>(2)</sup> Funds available have been reduced by \$7.3M due to usage of interest proceeds to other programs.

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MAY 1999.



Period Ending – June 1999

FINANCIAL DETAIL
METRO RED LINE NORTH HOLLYWOOD PROJECT
(IN MILLIONS OF DOLLARS)

Quarterly Project Status Report

**METRO** 

RED LINE

Segment 3 North Hollywood

<sup>(3)</sup> Assumes the City of LA will contribute 7% of the total project cost.

<sup>(4)</sup> When funds available are lower than expenditures, Treasury uses the cash pool account to pay the unfunded balance. Once funds become available, Grant Accounting bills the appropriate funding source and Treasury reimburses the cash pool account.

<sup>(5)</sup> Benefit Assessment District funds are no longer expected due to passage of Prop 208 (Right to vote on tax initiatives)

Quarterly Project Status Report Period Ending – June 1999



# FINANCIAL DETAIL METRO RED LINE TOTAL SEGMENT 3 PROJECT (IN MILLIONS OF DOLLARS)

								(IN	MII	LLIC	NS	OF	DO	LLA	RS)					
(F/B) FUNDING E %		39%	39%	25%	54%	54%	100%	46%	%66	%0	62%	100%	34%	14%	%0	35%		38%	<b>1</b> %	34%
(F) (F/B) BILLED TO FUNDING SOURCE \$		\$438.097	\$109.524	\$50.000	\$72.613	\$9.408	\$66.690	\$48.656	\$57,152	\$0.000	\$10.537	\$26.000	\$55.446	\$108.908	\$0.000	\$1,053,031		\$0.916	\$0.003	\$0.919
E) (E/B) EXPENDITURES \$ %		43%	43%	25%	54%	54%	100%	46%	%66	%0	%29	100%	34%	14%	%0	37%		38%	%	34%
(E) EXPEND		\$487.989	\$121.997	\$50:000	\$72.613	\$9.408	\$66.690	\$48.656	\$57.152	\$0.000	\$10.537	\$26.000	\$55.446	\$108.908	\$0.000	\$1,115.396		\$0.916	\$0.003	\$0.919
(D/B) MENTS %		48%	48%	33%	54%	54%	100%	62%	%66	%0	62%	100%	34%	19%	%0	42%		%09	27%	27%
(D) (D/B) COMMITMENTS \$		\$548.206	\$137.051	\$65.810	\$72,613	\$9.408	\$66.690	\$64.811	\$57.152	\$0,000	\$10,537	\$26.000	\$55.446	\$151.969	\$0.000	\$1,265.693		\$1,467	\$0.077	\$1.544
(C) TOTAL FUNDS AVAILABLE		\$438.097	\$109,524	\$50.000	\$72.613	\$9.408	\$66.690	\$48,656	\$57,652	\$0.000	\$10.537	\$26.000	\$55.446	\$121.869	\$0.000	\$1,066.492		\$0.916	\$0.003	\$0.919
(B) TOTAL FUNDS ANTICIPATED		\$1,133.192	\$283.298	\$199.344	\$134.771	\$17.461	\$66.690	\$104.811	\$57.652	\$50.000	\$17.042	\$26.000	\$163,444	\$789.047	\$0.000	\$3,042.752		\$2.435	\$0.285	\$2.720
(A) ORIGINAL BUDGET		\$1,317.912	\$98.578	\$25.000	\$156.617	\$9.875	\$53.000	\$165.000	\$87.300	\$26.000	\$11.142	\$0.000	\$136.244	\$677.318	\$17.100	\$2,781,086		\$0.000	\$0.000	\$0.000
SOURCE	ORIGINAL SCOPE:	FTA-SECTION 3	FTA-SECTION 3 DEFERRED LOCAL SHARE	FED ISTEA STP (STATE)	FED ISTEA STP/CMAQ (REGIONAL)	FED (STEA RSTP DEFERRED LOCAL SHARE	SB 1995 TRUST FUND	STATE SHAVARTICLE XIX	STATE PROP 116	STATE FLEXIBLE CONGESTION RELIEF	STATE TSM Match	STATE CTIP	CITY OF LA	PROP C	BENEF ASSESS, DISTRICT	TOTAL	OTHER LOCALLY FUNDED ACTIVITIES:	PROP C (ARTWORK)	PROP C (NON-REV. CONNECTOR)	TOTAL

(1) BASED ON CURRENT BUDGET NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MAY 1999.

JUNE 1999

STATUS OF FUNDS BY SOURCE

Quarterly Project Status Report Period Ending - June 1999



#### Schedule

	Current Status	Change from Last Month
Current ROD	Jun 2000	+15 days
Design Progress	99.5%	+0.6%
Critical Path Float	-30 days	-11 days
Construction Progress	83.1%	+1.0%

# **Current Critical Path Analysis**

· Planned ROD: May 17, 2000

(Revenue Operation Date determined by MTA)

· Forecast ROD: June 29, 2000

(Revenue Operation Date determined by Master Schedule)

· FFGA ROD: December 2000

(Revenue Operation Date determined by Federal mandate)

The June 1999 Master Schedule shows the project behind schedule with a forecast Revenue Operations Date of June 29, 2000. The current critical path for the project runs through B645 Transit Automatic Train Control and SCADA, Phase 2 Testing, Pre-Revenue and ROD. A lack of progress on software and hardware development, primarily due to the continuing commitment to Segment 2B, has moved B645 onto the critical path

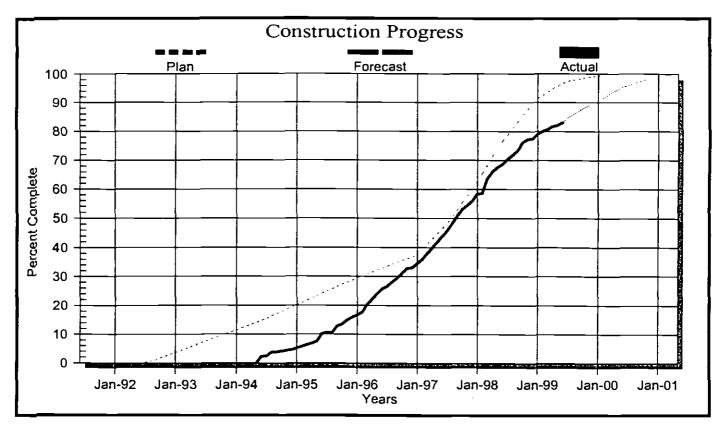
B620 Automatic Train Control remains on the secondary critical path. ATC installation began this period and a Change Notice is underway to accelerate the installation. Mitigation efforts have been implemented for B646 Fire and Emergency Management and are currently underway for H0648 Communications Installation and their impact to the project, although critical, are not impacting ROD at this time.

#### **DESIGN PROGRESS ANALYSIS**

The estimated design progress through June 25, 1999 is 99.5% complete versus 99.4% planned.

Quarterly Project Status Report Period Ending - June 1999





# **Construction Progress Analysis**

The overall construction progress through June 1999 is 83.1% complete.

Contract B620 (Automatic Train Control) contractor continued installation of the 34.5 KV conduits in the C0311 AL tunnel and began cable pulling. Commenced ATC wayside equipment installation and cabling at the C0351 crossovers.

Contract B645 (Transit Automatic Controls - TRACS) contractor continued to develop database, graphic displays and layout. Remote Terminal Unit cabinets continued to be fabricated.

Contract C0301 (Hollywood/Highland Station) continued punch list work.

Contract C0351 (North Hollywood Station) continued punch list work.

Contract C1610 (Trackwork Installation) completed resistance testing. Continued supplemental formation grouting in the C0311 AR tunnel and started in the AL tunnel.

Contract H0631 (Traction Power System Installation) contractor has nearly completed installation of the DC rectifier, transformer and cable testing at the Hollywood/Highland and North Hollywood stations. DC equipment and cable testing is expected be completed in July 1999 at the Mid-Line Vent Shaft and Universal City Station.

Contract H0648 (Communications Installation) installed seismic detection units and continued to install cables and clics for radio system and to terminate wires/cables for various devices at the North Hollywood Station. Continued

Quarterly Project Status Report Period Ending - June 1999



installing GRS conduits along emergency exits, rooms and corridors. Continued cable continuity tests for various subsystems. Completed installation of seismic grid and continued to install equipment cabinets in the TC&C room at Hollywood/Highland Station. Pulled cables in conduits for telephone, intrusion alarm and CCTV systems.

Contract MS201 (Hollywood Blvd. Restoration) continued finish work of terrazzo on Hollywood Blvd.

Quarterly Project Status Report Period Ending - June 1999



# **Construction Safety Statistics**

Project-to-Date-Rates	Current Status	Change from Last Month
Recordable Injury Rate		
National Average	10.6	
Project Rate (Cum.)	15.4	-0.1
Lost Time Rate (Freq.)		
National Average	4.2	
Project Rate (Cum.)	1.9	-0.1

Recordable Injury Rate:

The number of recorded injuries excluding simple first aid or minor medical

treatment, per 100 man years.

Lost Time Incident Rate:

The number of injuries resulting in days away from work, per 100 man years.

# **Construction Safety Summary**

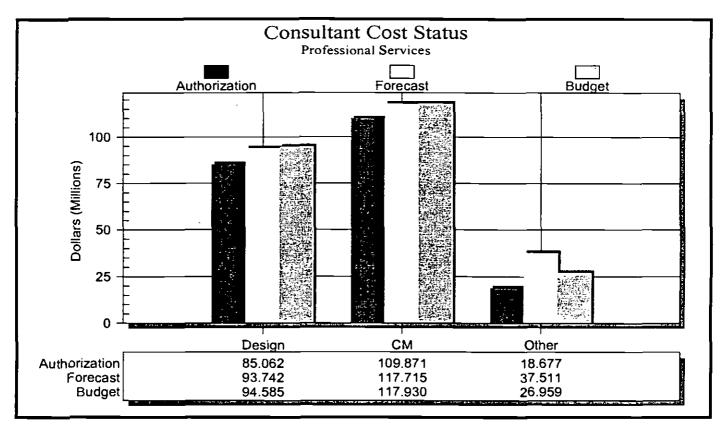
The project-to-date lost time injury rate continues to be less than one-half the national average of 4.2.

The project completed over 36,000 work hours during May. To date, the project has completed over 8,000,000 work hours.

Statistics reflect injuries through May 1999.

Quarterly Project Status Report Period Ending - June 1999





# **Professional Services Cost Analysis**

The authorization and forecast for the "Design," "Construction Management" and "Other" professional services did not change significantly this period. The changes represent executed change orders that were processed during the period. Authorizations will remain significantly below the budget and forecast until the necessity and scope of future services are finalized.

The forecast for the "Other" professional services is \$18.8 million above the current authorization due to pending and potential contract work orders, amendments and other cost exposures identified to date. The majority of the unknowns involve potential legal services. The services in this category include the following: Configuration Management, Systems Engineering and Analysis, Rail Vehicle Procurement Services, Environmental Services, Project Management Assistance, Legal Services, Construction Support Services, Labor Compliance Monitoring and Security Staffing.

Quarterly Project Status Report Period Ending - June 1999



## Management Issues

Ongoing Item (Date initiated: April 1999)
UNIVERSAL CITY SITE RESTORATION CONTRACTS

#### Concern/Impact

Procurement delays to the award of the Universal City Site Restoration contracts may impact the completion of the North Hollywood Extension project scope by the December 2000 FFGA required completion date.

#### Status/Action

As of the current period, bids for the 101 Freeway Overcrossing and Access Road contract (C1326) and the Bus Plaza and Parking Lot contract (C3326) were rejected. A consolidated contract for the above work scope was issued under Contract C0326 for advertisement. A schedule was developed for the award and NTP of this contract to minimize the impact to the FFGA requirements.

Ongoing Item (Date initiated: March 1999) SYSTEMS INTEGRATION TESTING

#### Concern/Impact

Additional delays to the revised testing plan due to management resources working for an extended period on Segment 2B and design changes to Contracts B645, B646 and H0648 have impacted ROD.

#### Status/Action

The Systems Integration Test team has been able to complete partial Phase 1 testing at Universal City Station because of certain F&EM equipment not being installed and design changes not implemented. LFATs should complete in July for the Universal City Station. Phase 1 testing can start at that time. Schedule workaround plans including resequencing of Phase 1 testing are being developed.

Ongoing Item (Date initiated: February 1999)
CONTRACT B620 AUTOMATIC TRAIN CONTROL, SCHEDULE DELAYS

#### Concern/Impact

The contractor is forecasting a two-month delay to the schedule, due to access to C0311 tunnels from C1610 trackwork contractor and track level room from C0311 facility contractor.

#### Status/Action

An acceleration proposal has been submitted by the contractor, which identifies dynamic testing completion on February 29, 2000. Negotiations are occurring and will be finalized in early July for several changes and for dynamic testing to be completed by February 23, 2000.

Ongoing Item (Date initiated: February 1999) CONTRACT B645, TRACS DELAYS

#### Concern/impact

Lack of sufficient resources by the contractor has impacted the start of engineering and software development. Delays associated with this lack of resources and fire/life/safety design changes will impact the start of Phase II systems integration testing.

Quarterly Project Status Report Period Ending - June 1999



#### Status/Action

Progress is being made by the contractor; however, not to the extent required to mitigate their delay. The contractor recently submitted a preliminary schedule, which will be rejected. CM management has scheduled a meeting with Syseca management and principals to develop a mitigation schedule that meet the requirements to achieve ROD.

Ongoing Item (Date initiated: February 1999)
CONTRACT B646, FIRE AND EMERGENCY MANAGEMENT (F&EM) LATE CHANGES

#### Concern/Impact

Delay of software development and deliveries at three of the five locations are due to late fire/life/safety design changes. Local field acceptance tests (LFATs) of the fire detection and suppression sub-systems have been impacted by the delay of software development and delivery of the devices followed by H0648 installation. Anticipated design changes may further impact this issue. The Phase I system integration testing (SIT) schedule has been impacted.

#### Status/Action

The CM has developed a mitigation plan to sequence this work with minimal affect to system contracts. LFATs are continuing and some SITs have started without CN-92 fire detection and suppression sub-systems implementation.

Ongoing Item (Date initiated: March 1998) PROJECT AGENCY COST FORECAST

#### Concern/Impact

Project administration costs have increased significantly because of the higher than originally budgeted overhead allocation rate being applied by Finance to the rail construction projects. Furthermore, levels of MTA staff assigned to the North Hollywood project have increased in areas such as Procurement and Management Audit Services in order to comply with various new legislative and administrative requirements. The result of these two trends is a substantial impact (\$27 million) to the forecasted cost to complete the project.

#### Status/Action

The project team is achieving reductions to this potential cost impact by focusing and controlling monthly staffing charges and allocations to the North Hollywood project. Presently, an increase to the project budget is not necessary since the projection of future costs associated with the above issues are subject to considerable variation over the period to complete and close out this project.

Resolved Item (Date initiated: February 1999) MANAGEMENT AUDIT SERVICES

#### Concern/Impact

Outstanding audits on the North Hollywood Extension changes are delaying both critical construction activities and the completion/closeout of contracts. In both cases this is causing the project to absorb unnecessary costs and risk of schedule delays.

#### Status/Action

The North Hollywood Extension project staff has prioritized the outstanding audits and will report progress to Project Management on a weekly basis.