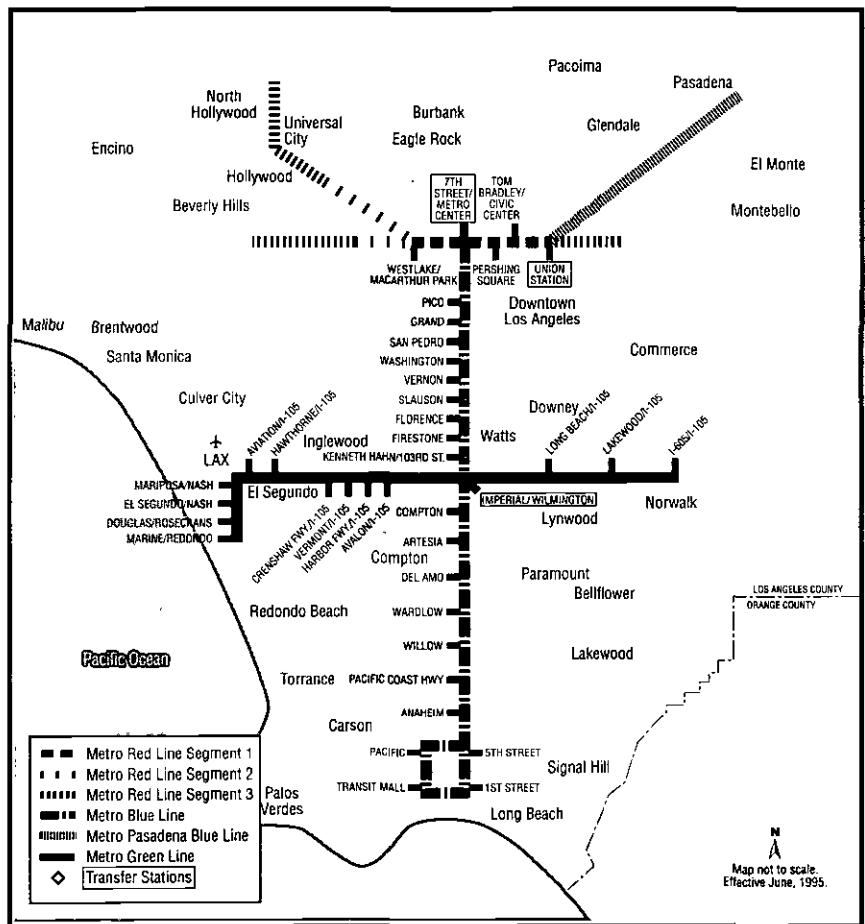


MTA METRO CONSTRUCTION



Executive Report Rail Program Status



RAIL PROGRAM STATUS SUMMARY

**THE LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY
METRO CONSTRUCTION DIVISION**

OCTOBER 1995

RAIL PROGRAM SUMMARY

RAIL PROGRAM STATUS SUMMARY

Metro Pasadena Blue Line

Cost Status (\$000)
 Original Budget 841,000
 Expended to Date 141,107 *
 Current Budget 841,000

Project Progress

Design
 Actual: 79.6%
 Construction
 Actual: 4.3%

Schedule Status

Revenue Operations Date:
 Original November 1997
 Revised June 2002

Metro Green Line (Budget and Forecast excludes North Coast Segment)

Cost Status (\$000)
 Original Budget 671,000
 Expended to Date 629,000 **
 Current Budget 717,802

Project Progress

Design
 Actual: 100%
 Construction
 Actual: 98.3%

Schedule Status:

Revenue Operations Date:
 Original October 1994
 Current ROD August 12, 1995

** Status through September 1995

Metro Red Line Segment 1

Cost Status (\$000)
 Original Budget 1,249,900
 Expended to Date 1,421,000 **
 Current Budget 1,450,019

Project Progress

Design
 Actual: 100%
 Construction
 Actual: 100%

Schedule Status

Revenue Operations Date:
 Original April 1992
 Current ROD January 1993

** Status through September 1995

Metro Red Line Segment 2

Cost Status (\$000)
 Original Budget 1,446,432
 Expended to Date 1,017,328 *
 Current Budget 1,517,657

Project Progress

Design
 Actual: 99.1%
 Construction
 Actual: 64%

Schedule Status: Revenue Operations Date:

Wilshire Vermont/Hlywd
 Original Jul '96 Dec '98 **
 Forecast May '96 Feb '99

** Revised to reflect date in Full Funding Grant Agreement.

Metro Red Line Segment 3 - North Hollywood Extension

Cost Status (\$000)
 Original Budget 1,310,822
 Expended to Date 260,653 *
 Current Budget 1,313,848

Project Progress

Design
 Actual: 88.3%
 Construction
 Actual: 13.6%

Schedule Status

Revenue Operations Date:
 Original May 2000
 Forecast September 2000

* Expenditure data through September 1995

RAIL PROGRAM STATUS SUMMARY

Metro Red Line Segment 3 - Mid City Extension			
Cost Status	(\$000)	Project Progress	
Original Budget	490,663	Design	
Expended to Date	10,219 *	Actual:	31%
Current Budget	490,663	Construction	
Schedule Status:		Actual:	0%
Revenue Operations Date:			
Original	TBD		
Forecast	TBD		
Metro Red Line Segment 3 - East Side Extension			
Cost Status	(\$000)	Project Progress	
Original Budget	979,601	Final Design	
Expended to Date	12,196 *	Actual:	4.2%
Current Budget	979,601	Construction	
Schedule Status:		Actual:	0%
Revenue Operations Date:			
Original	November 2002		
Forecast	August 2003		
Vehicle Acquisition Project			
Cost Status	(\$000)	Project Progress	
Original Budget	257,597	Design	
Expended to Date	59,597 *	Actual:	80% - 90% **
Current Budget	257,597	Manufacture	
Schedule Status:		Actual:	25% - 30% **
Delivery of Final Cars:			
Original	November 1997	** Based on Milestone Payments	
Forecast	April 1999		

* Expenditure data through September 1995

METROPOLITAN TRANSPORTATION AUTHORITY
PROJECT COST REPORT - TOTAL RAIL PROGRAM
SUMMARY BY COST ELEMENT
(IN THOUSANDS)

STATUS DATE: 10/27/95

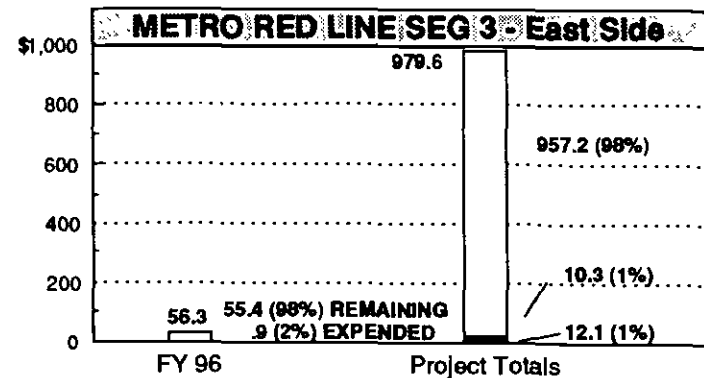
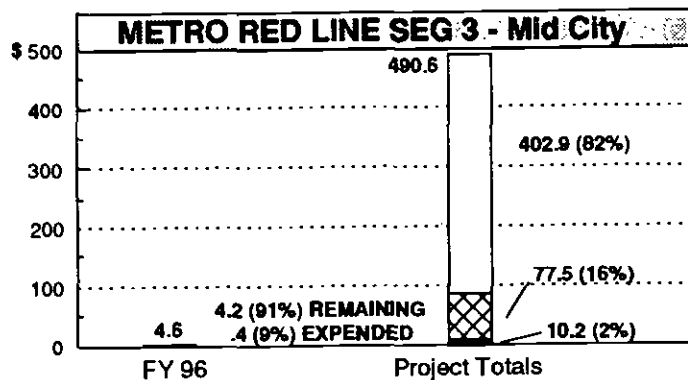
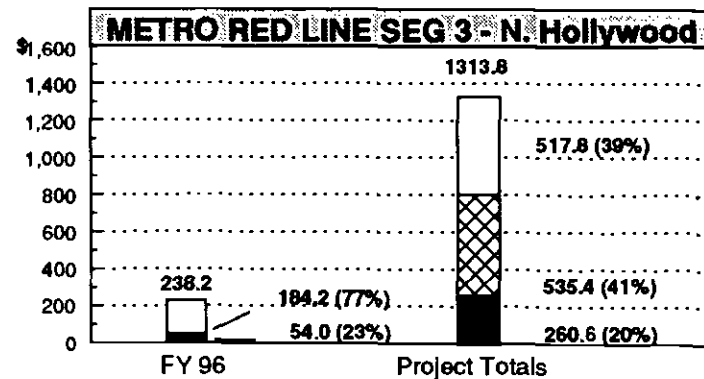
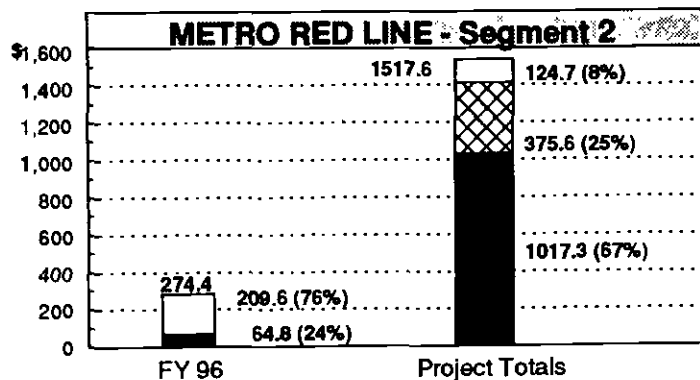
PROJECT: TOTAL RAIL PROGRAM

ELEMENT DESCRIPTION	BUDGET		COMMITMENTS		INCURRED COST		EXPENDITURES		CURRENT FORECAST (9)	VARIANCE (9-2) (10)
	ORIGINAL (1)	CURRENT (2)	PERIOD (3)	TO DATE (4)	PERIOD (5)	TO DATE (6)	PERIOD (7)	TO DATE (8)		
T CONSTRUCTION	5,153,507	5,292,003	61,147	3,570,676	24,744	2,572,175	25,075	2,501,574	4,993,500	35,637
S PROFESSIONAL SERVICES	1,685,529	2,011,245	53,390	1,499,429	4,228	1,287,917	4,391	1,286,041	1,989,122	76,008
R REAL ESTATE	480,002	548,923	1,324	389,245	3,172	388,140	3,172	388,084	501,330	5,709
F UTILITY/AGENCY FORCE ACCOUNTS	146,279	168,650	73	126,252	734	106,982	732	106,461	154,640	(8,923)
D SPECIAL PROGRAMS	11,045	20,866	0	5,651	15	4,553	15	4,590	242,340	47,958
C CONTINGENCY	560,120	366,105	0	0	0	0	0	0	131,964	(60,621)
A PROJECT REVENUE	(18,115)	(36,585)	(3)	(1,585)	(3)	(7,179)	(3)	(8,845)	(31,874)	4,711
PROJECT GRAND TOTAL	8,018,367	8,371,207	115,931	5,589,668	32,890	4,352,588	33,382	4,278,105	7,981,022	100,479

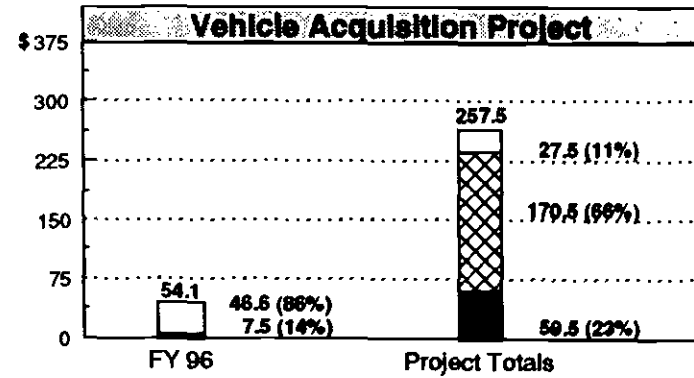
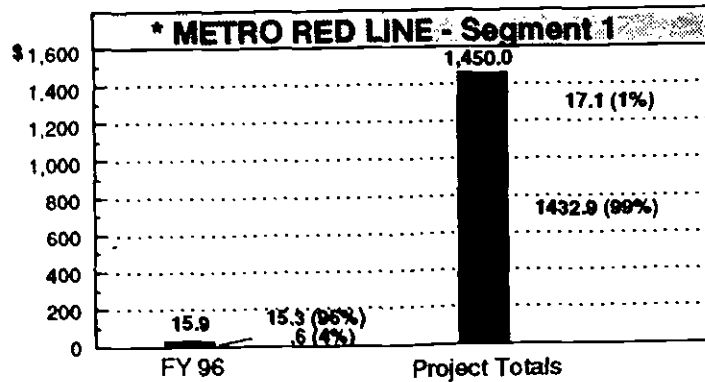
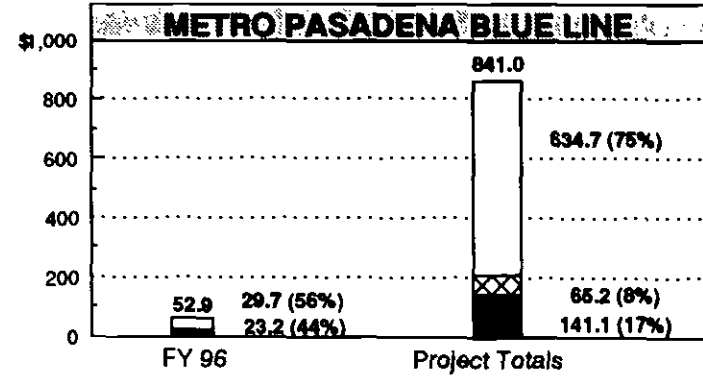
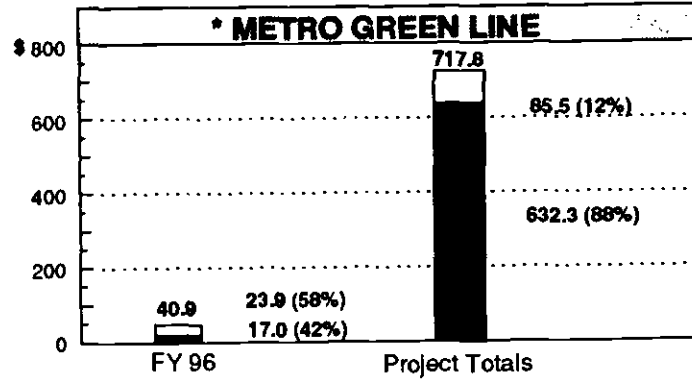
NEW REQUIREMENTS DESCRIPTION	BUDGET		COMMITMENTS		INCURRED COST		EXPENDITURES		CURRENT FORECAST (9)	VARIANCE (9-2) (10)
	ORIGINAL (1)	CURRENT (2)	PERIOD (3)	TO DATE (4)	PERIOD (5)	TO DATE (6)	PERIOD (7)	TO DATE (8)		
T CONSTRUCTION	0	50,878	2	48,914	173	14,510	354	18,901	61,537	10,659
S PROFESSIONAL SERVICES	0	19,634	0	17,862	191	10,174	191	10,176	19,938	303
R REAL ESTATE	0	0	0	1	0	43	0	43	0	0
F UTILITY/AGENCY FORCE ACCOUNTS	0	0	0	0	0	0	0	0	0	0
D SPECIAL PROGRAMS	0	20	0	20	0	20	0	20	20	0
C CONTINGENCY	0	3,721	0	0	0	0	0	0	2,679	(1,040)
A PROJECT REVENUE	0	0	0	0	0	0	0	0	0	0
NEW REQ. SUBTOTAL	0	74,251	2	66,797	364	24,747	545	29,140	84,174	9,922
PROJECT GRAND TOTAL	8,018,367	8,445,458	115,933	5,656,465	33,254	4,377,335	33,927	4,307,245	8,065,196	110,401

This report includes total project costs for the Metro Blue Line of \$877,271.

BUDGET STATUS - October 27, 1995
(in \$ Millions)

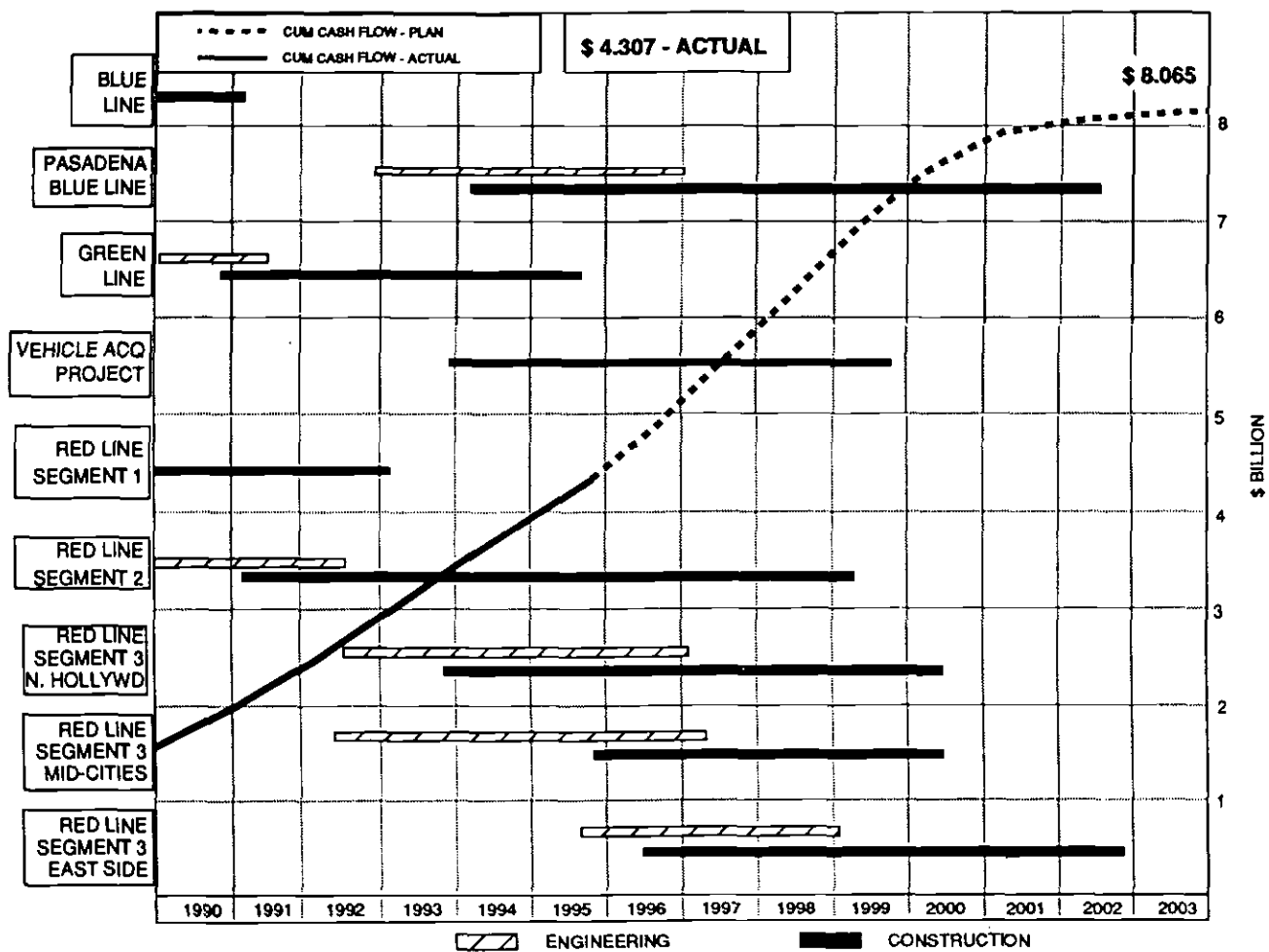


BUDGET STATUS - October 27, 1995
(in \$ Millions)



* Status through September 1995





METROPOLITAN TRANSPORTATION AUTHORITY
FUNDING SOURCES
(IN MILLIONS)

SEPTEMBER 1995

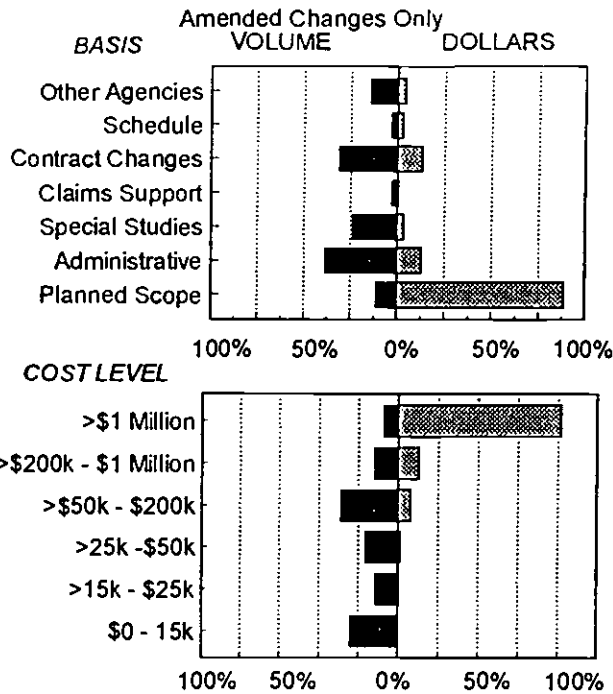
	METRO BLUE LINE*		PASADENA BLUE LINE		METRO GREEN LINE		METRO RED SEGMENT 1**		METRO RED SEGMENT 2		METRO RED LINE SEG 3 - NH		METRO RED LINE SEG 3 - MC		METRO RED LINE SEG 3 - ES		VEHICLE ACQUISITION PROJECT		TOTAL PROGRAM	
	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%
FTA-SECTION 3							605.3	42	667.0	43	681.0	52	242.5	49	492.9	51			2688.7	32
FTA - OTHER																	11.9	5	11.9	0
ISTEA - FED SURFACE TRANSIT PROGRAM									52.1	3	69.1	5	40.0	8	25.0	2	84.0	33	270.2	3
FED-ISTEA STP/CMAO (REGIONAL)									2.5	1	39.9	3	40.4	8	86.1	9	6.1	2	175.0	2
FTA-SECTION B							90.6	6											90.6	1
STATE			337.8	40	106.4	15	210.3	15	133.0	9	45.9	3			15.0	2	33.6	13	882.0	10
STATE TSM MATCH											3.2	1	7.2	2	11.1	1			21.5	0
SB 1995 TRUST FUND											75.0	6							75.0	1
PROPOSITION A	877.2	100			205.1	29	179.5	12	440.3	29									1702.1	20
PROP A/C (TRANSIT ENHANCEMENT)									62.7	4									62.7	1
PROPOSITION C			503.2	60	400.3	56					195.5	15	151.6	31	349.1	36	122.0	47	1721.7	20
PROP C (AMERICAN DISABILITIES ACT)					6.0	1			6.0	1									12.0	0
CITY OF LOS ANGELES							34.0	2	96.0	6	190.7	14	9.0	2	0.3	0			330.0	4
BENEFIT ASSESSMENT							130.3	9	58.0	4	13.5	1							201.8	2
COST OVERRUN ACCOUNT							200.1	14											200.1	2
TOTAL	877.2	100	841.0	100	717.8	100	1450.1	100	1517.6	100	1313.8	100	490.7	100	979.5	100	257.6	100	8445.3	100

* CONSISTS OF LIGHT RAIL LINE (\$847) AND MC-5 WORK (\$30).

** LRT PORTION INCLUDED IN BLUE LINE FORECAST.

Note: Data reflects Current Budget

Professional Service Contracts Changes by Basis and Cost Level



CHANGE BASIS ANALYSIS

Changes during the design phase of non-awarded construction contracts accounts for approximately 25% or 146 of the 586 Consultant Change Requests overall. This equates to 10% of the overall change cost of approved and amended changes.

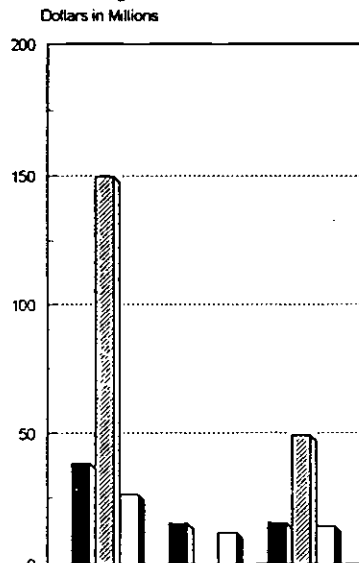
CHANGE COST LEVEL ANALYSIS

As shown on the Cost Level Analysis chart opposite, the MTA Board approves 92% of all change costs associated with the Rail Project or \$270M of a total change cost of \$293M. This equates to 19% of the total change volume or 112 of 586 total changes.

The MTA Project team reviews all CCR's yet only has authority to sign for a small portion (9%) of the overall cost.

Note: Basis and Cost charts include approved and amended changes only.

Professional Services Contracts Change Cost by Consultant



\$'s in Millions	EMC	CM	OTHER
Amended	38.6	15.5	15.8
Planned Scope Additions	150.0	0	49.3
In Process	26.2	11.8	14.4
Total \$ in Changes	214.8	27.3	79.5

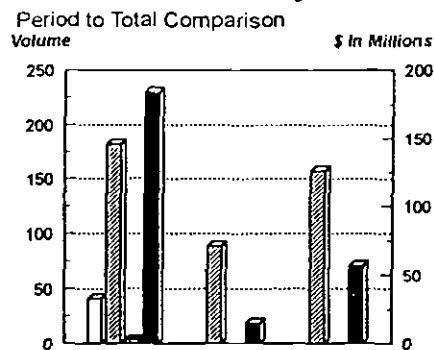
PROFESSIONAL SERVICES CHANGE ANALYSIS

Contract amendment to EMC CWO #021 incorporating 11 CCR's for a total of \$519,580.00 and contract amendment to EMC CWO #004 for a total of \$2,331,484.00 were approved at the October 26, 1995 MTA Board Meeting.

DATA SOURCE:
CCS: CCR REPORTS

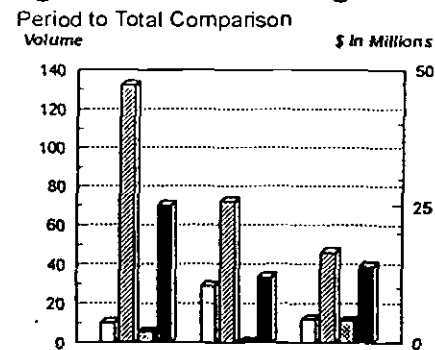
Planned Scope Additions = Services which were anticipated or identified at the inception of the CWO but not included in the initial award. Staff will incrementally approve these known scope requirements and corresponding funds as a method to closely manage the consultant's technical and cost performance.

Professional Service Contracts Amendment History



	EMC	CM	OTHER
# This Period <input type="checkbox"/>	41	0	0
# Previous <input checked="" type="checkbox"/>	182	89	158
\$ This Period <input checked="" type="checkbox"/>	3	0	0
\$ Previous <input checked="" type="checkbox"/>	184	15	57

All - Professional Service Contracts Pending Consultant Changes



	EMC	CM	OTHER
# This Period <input type="checkbox"/>	10	29	12
# Previous <input checked="" type="checkbox"/>	132	72	46
\$ This Period <input checked="" type="checkbox"/>	2	0	4
\$ Previous <input checked="" type="checkbox"/>	25	12	14

CONSULTANT CHANGE REQUEST ANALYSIS

Thirteen Advanced Work Authorization's (AWA) were assigned this period with a cumulative not-to-exceed obligation of \$473K.

Contract amendments approved at the October 26, 1995 MTA Board Meeting as follows:

Amendment 5 to EMC CWO #021 incorporating 11 CCR's for \$519,580.

Amendment 6 to EMC CWO #004 incorporating 30 CCR's for \$2,331,484.

Changes due to other agencies are currently being reviewed for potential cost recovery. The cost recovery potential estimate will be provided when available.

Eight new and four revised changes were submitted this period of which one is estimated at over \$200,000:

R05-E0070-276.02 - Out-of-Scope Right-of-Way Work.

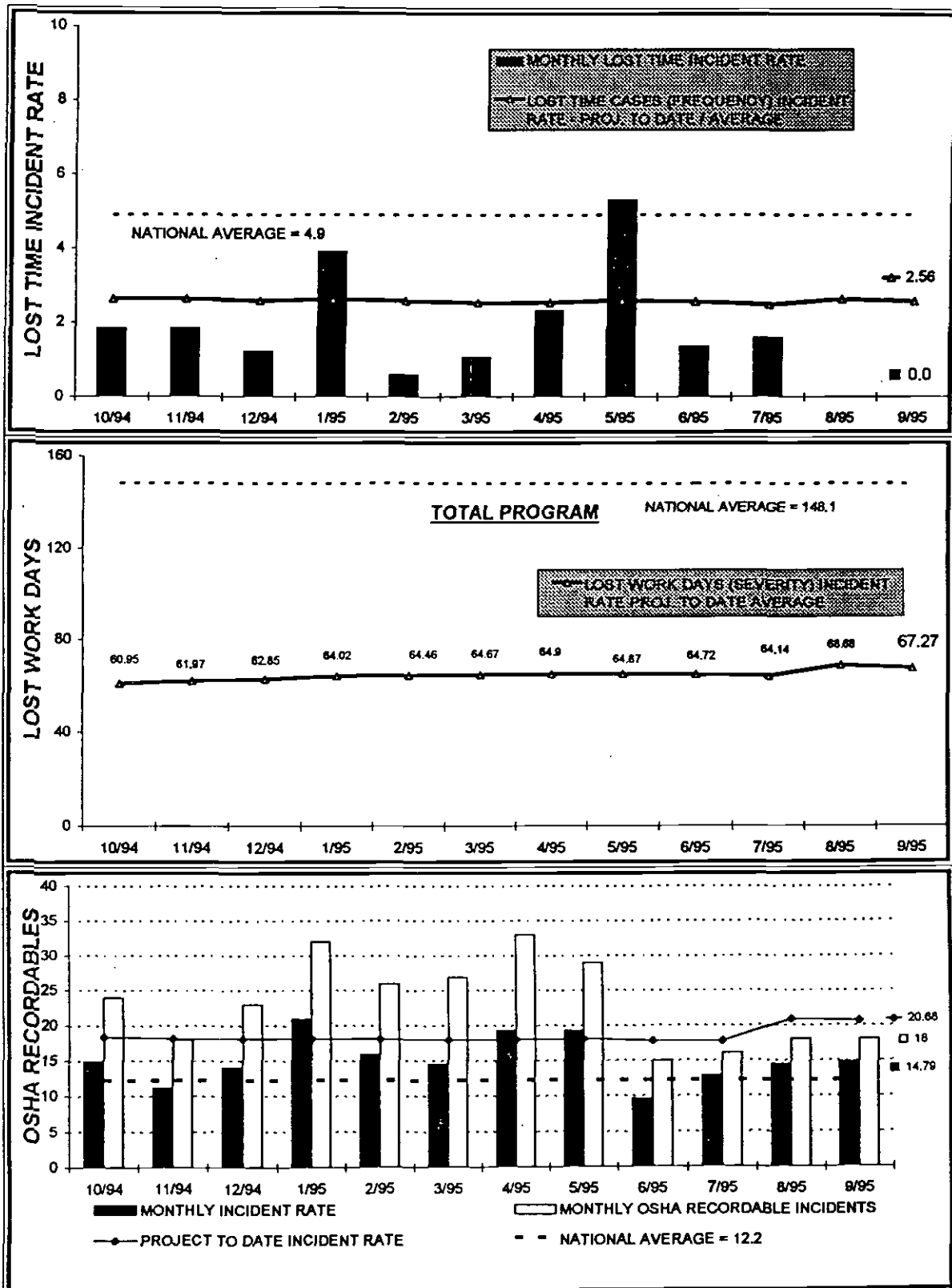
MTA rejected/cancelled 18 CCR's this period with a cumulative Rough-Order-of-Magnitude value of \$3M.

Cost Performance Relative to Corporate Goals
(IN THOUSANDS)

	METRO BLUE LINE		METRO PASADENA BLUE LINE		METRO GREEN LINE		METRO RED LINE SEGMENT 1		METRO RED LINE SEGMENT 2		METRO RED LINE SEGMENT 3 NH		METRO RED LINE SEGMENT 3 MC		METRO RED LINE SEGMENT 3 ES		VEHICLE ACQUISITION PROJECT		TOTAL PROGRAM		CORP GOAL
	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	
CONSTRUCTION	657,467	74.85%	800,338	60.17%	477,236	66.49%	812,270	56.02%	1,050,801	69.23%	810,080	61.20%	0	0	624,098	63.71%	203,380	89.46%	2,997,794	65.70%	
REAL ESTATE	55,592	6.34%	77,721	7.79%	26,047	3.63%	140,000	9.88%	88,982	5.86%	86,418	6.53%	0	0	26,570	2.71%	0	0.00%	310,621	6.81%	
PROFESSIONAL SERVICES:																					
ENGINEERING/DES	68,567	7.83%	93,786	9.40%	63,296	11.60%	221,859	15.29%	154,870	10.20%	90,711	6.85%	0	0	93,748	9.57%	1,700	0.75%	529,412	11.60%	
CONSTR MGMT.	91,642	10.45%	77,171	7.73%	78,213	10.90%	116,429	8.03%	140,857	9.27%	115,919	8.76%	0	0	79,826	8.15%	0	0.00%	426,941	9.30%	
STAFF	17,655	2.01%	51,600	5.17%	24,179	3.37%	95,558	6.59%	53,226	3.51%	69,588	4.50%	0	0	36,588	3.73%	4,531	1.89%	190,618	4.18%	4%
OTHER	14,222	1.62%	22,976	2.30%	17,337	2.42%	32,671	2.25%	20,030	1.32%	36,461	2.75%	0	0	16,630	1.70%	10,742	4.72%	84,280	1.85%	
SUBTOTAL	193,106	22.01%	245,513	24.61%	203,025	28.28%	466,317	32.16%	368,783	24.30%	302,679	22.87%	0	0	226,792	23.15%	16,973	7.47%	1,231,231	26.96%	20%
CONTINGENCY	963	0.11%	74,186	7.44%	12,757	1.78%	31,432	2.17%	10,001	0.66%	124,385	9.40%	0	0	102,140	10.43%	8,998	3.06%	55,153	1.21%	
PROJECT REVENUE	(29,877)	-3.41%	(33)	-0.00%	(1,263)	-0.18%	0	0.00%	(701)	-0.05%	0	0.00%	0	0	0	0.00%	0	0.00%	(31,841)	-0.70%	
GRAND TOTAL	877,271	100.00%	997,725	100.00%	717,802	100.00%	1,450,019	100.00%	1,517,866	100.00%	1,323,562	100.00%	0	0	979,801	100.00%	227,351	100.00%	4,562,958	100.00%	

*METRO RED LINE SEGMENT 3 MID CITY FORECAST NOT INCLUDED.

NOTE: Data reflects Current Forecast.

TOTAL METRO
SAFETY SUMMARYPrepared by:
MASS TRANSIT GROUP

METRO GREEN LINE

EXECUTIVE SUMMARY

METRO GREEN LINE
Summary Status Report
Period ending - October 27, 1995



MILESTONES ACHIEVED

1. H1100 completed integrated testing in Hawthorne Yard.

NEXT MONTH LOOK AHEAD

1. Start-up to finalize SCADA Loading integrated test.
2. Complete replacement gearbox rework on P2020 vehicles.

BUDGET

	<u>Amount</u> <u>(in \$ mil)</u>	<u>Change from</u> <u>Last Month</u> <u>(in \$ mil)</u>
Original Budget	671.0	None
Approved Budget	717.8	None
Current Forecast	717.8	None
Expenditures	632.3	3.3

BUDGET ANALYSIS

- The project is expected to complete \$10-\$15 million under budget. Capital Planning and Grants Management investigating scope increases to avoid partial loss of state funding.
- Extended duration of project (H1100) could impact use of remaining budget.
- MTA Board has allocated \$5.9 million of project under-run to the Del Norte Station.

METRO GREEN LINE Summary Status Report

Period ending - October 27, 1995

SCHEDULE

		Change from Last Month
Current ROD	08/12/95 A	-0-
Design Progress	100.0%	None
Construct. Progress*	98.48%	0.17
Critical Path Float	0 Days	-0-

SCHEDULE ANALYSIS

- H1100 interface dates with the P2000 contractor have slipped due to P2000 schedule slippage.
- H1100 milestone dates are being impacted by P2000 schedule slip.
- Revenue service began 8/12/95.
- Integrated testing is currently at 98% complete.

SAFETY

		Change from Last Month
Recordable Injury Rate		
National Average	12.2	
Project Rate (Cum.)	9.6	N/A
Lost Time Rate (Frequency)		
National Average	4.9	
Project Rate (Cum.)	1.9	N/A
Lost Work Days (Severity)		
National Average	148.1-no longer kept nationally	
Project Rate (Cum.)	50.9	N/A

SAFETY ANALYSIS

- No update for Safety. Project is completed.

CONTRACT CLOSEOUT STATUS

- 6 contracts open - Contractor still performing work.
- 11 contracts completed - closeout in process.
- 1 contract terminated - termination claim in process.
- 5 contracts closed - all work completed.

METRO GREEN LINE
Summary Status Report
Period ending - October 27, 1995



COMMUNITY ISSUES

- Noise at Holly Glen. MTA Construction is studying the effects of adjusting the rail fasteners or constructing a sound barrier (Supervisor Yvonne Burke).

QA / TQM ISSUES

- P2020 Vehicle Gearbox issues.
- No failures since September 1995.
- All gearboxes are being recycled.
- Remaining for recycle (12) of (60) total.
- Recycle to be completed November 15, 1995.
- Maximum miles on a recycled gearbox 38,595 miles (car #159).

CCR BACKLOG STATUS

- 13 CCR's pending approval at an estimated value of \$2,662,370.00.
- 7 CCR's have been approved for an estimated value of \$3,645,452.00.

METRO PASADENA BLUE LINE

EXECUTIVE SUMMARY

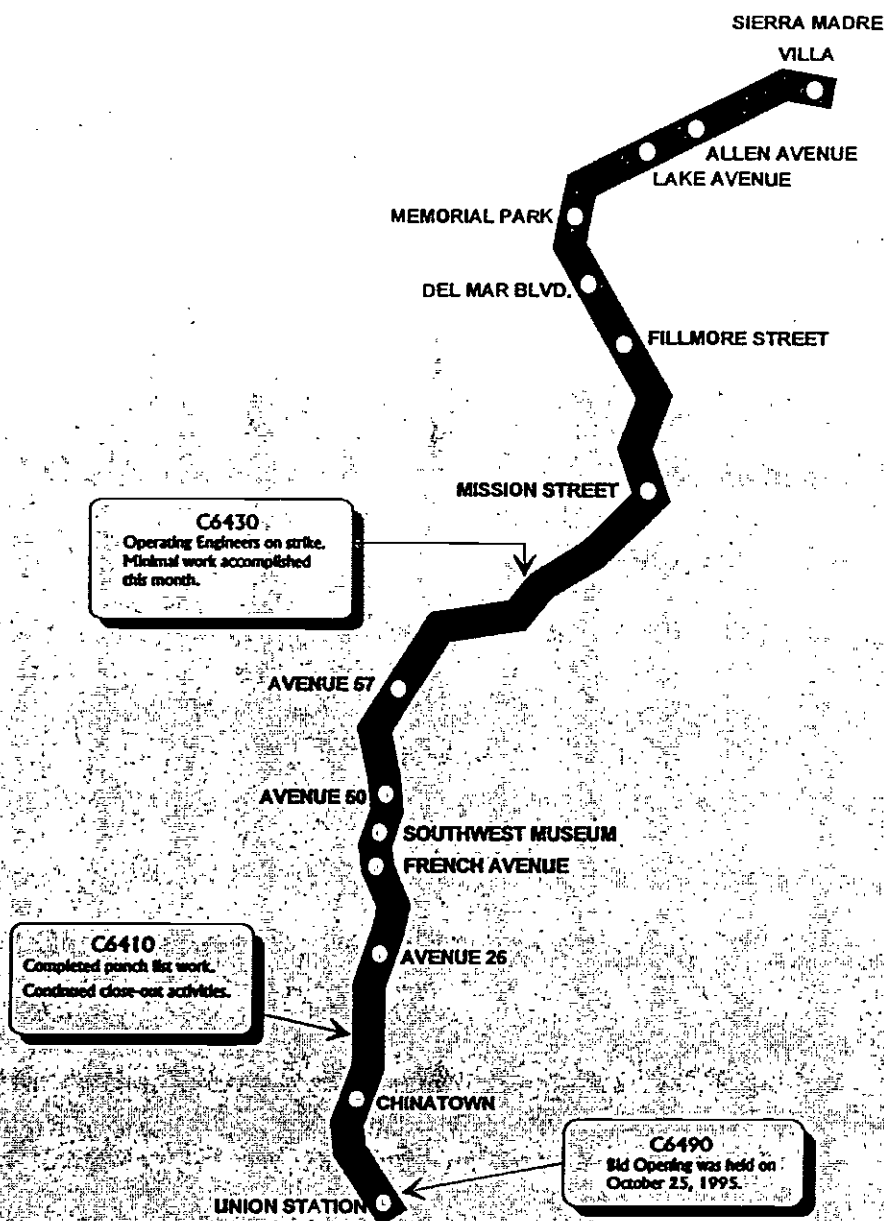
METRO PASADENA BLUE LINE

Summary Status Report

Period ending - October 27, 1995



MAJOR ACTIVITIES THIS PERIOD



SYSTEMWIDE ACTIVITIES

C6435; Bridge Retrofit and Reconstruction of Concrete and Steel Bridges: Began ballast removal and concrete deck preparation for seven (7) bridges. Began demolition of bridges for new construction at Sunnyslope Avenue.

P2100; Precast Concrete Ties: Approved concrete tie pad submittal.

Staff is preparing Amendment No. 6 for CWO 0021 and Amendment No. 2 for CWO 0025.

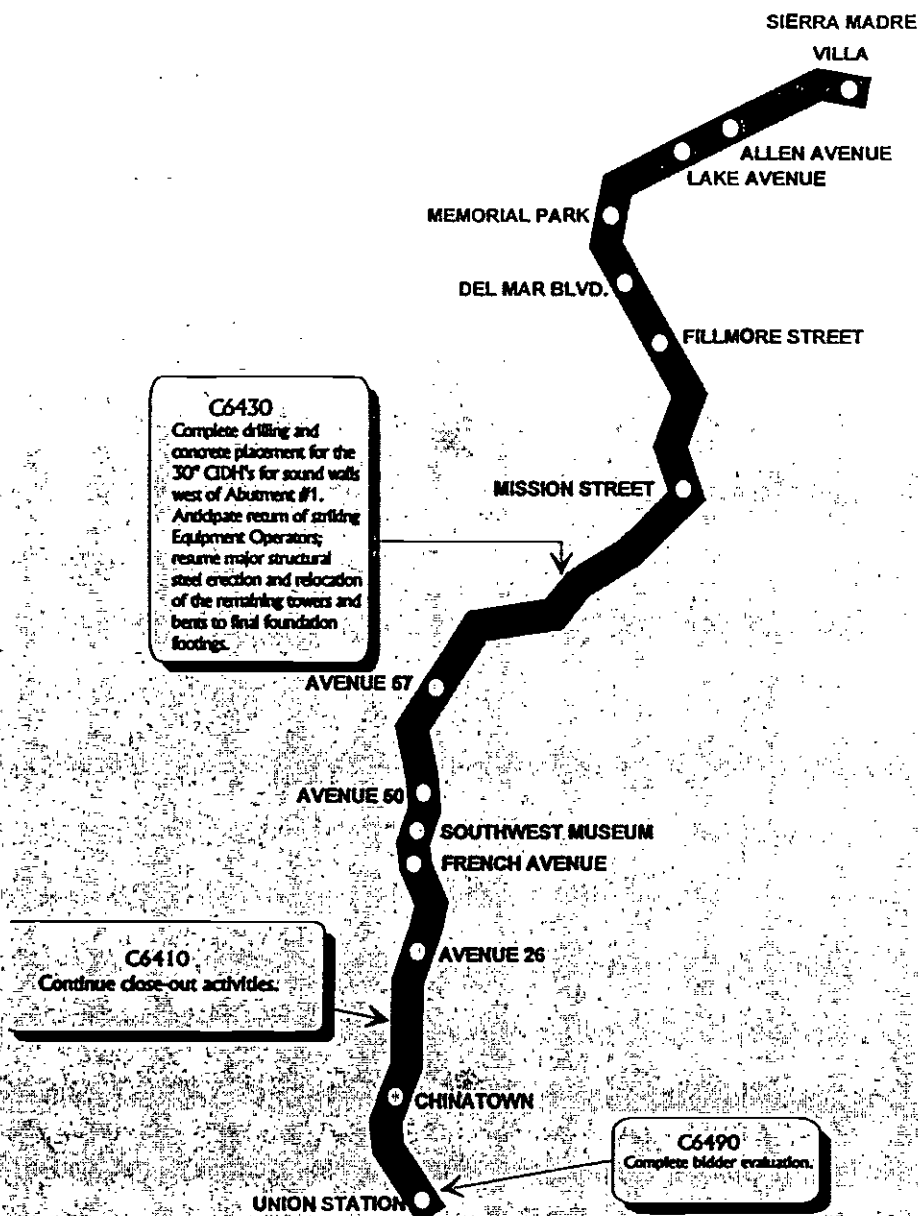
METRO PASADENA BLUE LINE

Summary Status Report

Period ending - October 27, 1995



MAJOR ACTIVITIES NEXT PERIOD



SYSTEMWIDE ACTIVITIES

C6435; Bridge Retrofit and Reconstruction of Concrete and Steel Bridges:
Prepare bridge deck surfaces on several concrete bridges.
Demolish existing ballast restrainers and overhangs on several concrete bridges.

P2100; Begin testing of concrete ties.

Amendment No. 5 for CWO 0021 was approved on October 26, 1995 for \$519,580 (11 CCRs).

METRO PASADENA BLUE LINE

Summary Status Report

Period ending - October 27, 1995



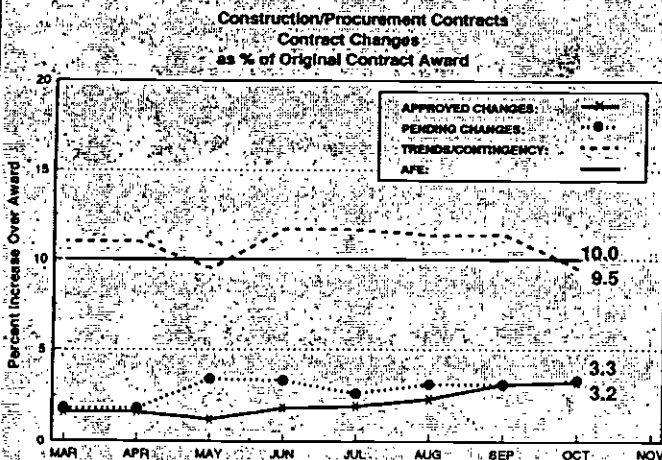
BUDGET

	Amount (in \$ mil)	Change from Last Month (in \$ mil)
Original Budget	841.0	None
Approved Budget	841.0	0.0
Current Forecast	997.7	None
Expenditures	141.1	+4.0

BUDGET ANALYSIS

- MTA 20-year long range plan calls for Pasadena Blue Line to open in June 2002 at a cost of \$997.7 million.
- Value Engineering and Cost Containment studies have identified potential savings. Upon MTA Board approval, a new budget, scope and schedule will be adopted.

CONTRACT CHANGES



CONTRACT CHANGE ANALYSIS

- The forecast costs of the four active construction/procurement contracts are projected at slightly less than the AFE values, the increases will be offset by the L.A. River Bridge Contract (C6410), which will underrun its AFE by about 5%. The Arroyo Seco Bridge Reconstruction Contract (C6430) forecast is trending slightly downward from last month to reflect the resolution of bid quantities. The current forecast can be maintained pending an outcome of issues associated with the Operator's strike. The forecast for the Reconstruction and Retrofit of Steel and Concrete Bridges Contract (C6435) remained 1% above the AFE value. The forecast for the Precast Concrete Ties Contract (P2100) remained unchanged at 10% above the AFE value due to continued postponement of receiving the delivery as part of the on-going value engineering/cost containment studies.

METRO PASADENA BLUE LINE Summary Status Report

Period ending - October 27, 1995

SCHEDULE

		Change from <u>Last Month</u>
Current ROD	Jun 2002	
Design Progress	79.6%	+0.5%
Construct. Progress	3.14%	+0.14%
Critical Path Float	0	0

SCHEDULE ANALYSIS

- Design is on hold pending resolution of EMC change order and Value Engineering Review.
- The project critical path goes through C6460, C6550, H0090, H0060 and pre-revenue operations.
- Contracts C6410, C6435 and P2100 continue to proceed on schedule.
- Contract C6430 continues to experience a delay due to the on-going Equipment Operators strike. No impact to the Project Critical Path.

SAFETY

		Change from <u>Last Month</u>
Recordable Injury Rate		
National Average	12.2	
Project Rate (Cum.)	4.5	0.3
Lost Time Rate (Frequency)		
National Average	4.9	
Project Rate (Cum.)	0.0	None
Lost Work Days (Severity)		
National Average	148.1	
Project Rate (Cum.)	0.0	None

SAFETY ANALYSIS

- Project continues with zero time case rate to date.

PASADENA BLUE LINE
Summary Status Report
Period ending - October 27, 1995



COMMUNITY ISSUES

- Existing Community Garden site and future Traction Power Station Site in Pasadena. Community has concerns about Garden and use of site for TPSS. (Mayor Bill Paparian and Councilman Chris Holden).

QA / TQM ISSUES

- Pasadena Blue Line Senior Management Workshop follow-up scheduled for November 3, 1995.
- Arroyo Seco Bridge Reconstruction: Construction remains stalled due to operator union strike. No Quality Impact.

CCR BACKLOG STATUS

- 12 CCR's pending approval of the CCRB at an estimated value of \$4,463,997.00.
- 30 CCR's have been approved by the CCRB for an estimated value of \$8,320,567.00.

METRO RED LINE SEGMENT 2

EXECUTIVE SUMMARY

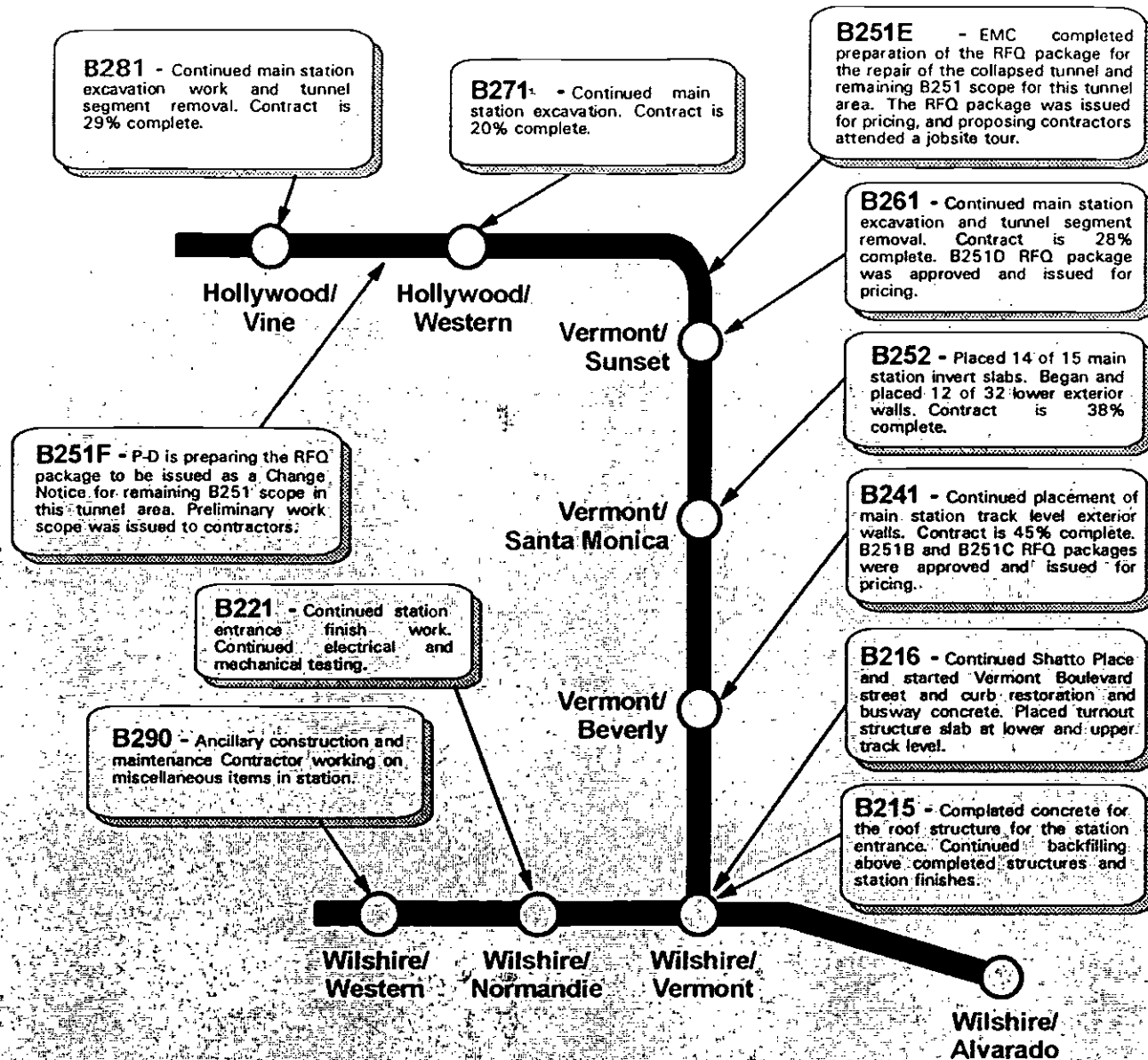
METRO RED LINE - Segment 2

Summary Status Report

Period ending - October 27, 1995



MAJOR ACTIVITIES THIS PERIOD



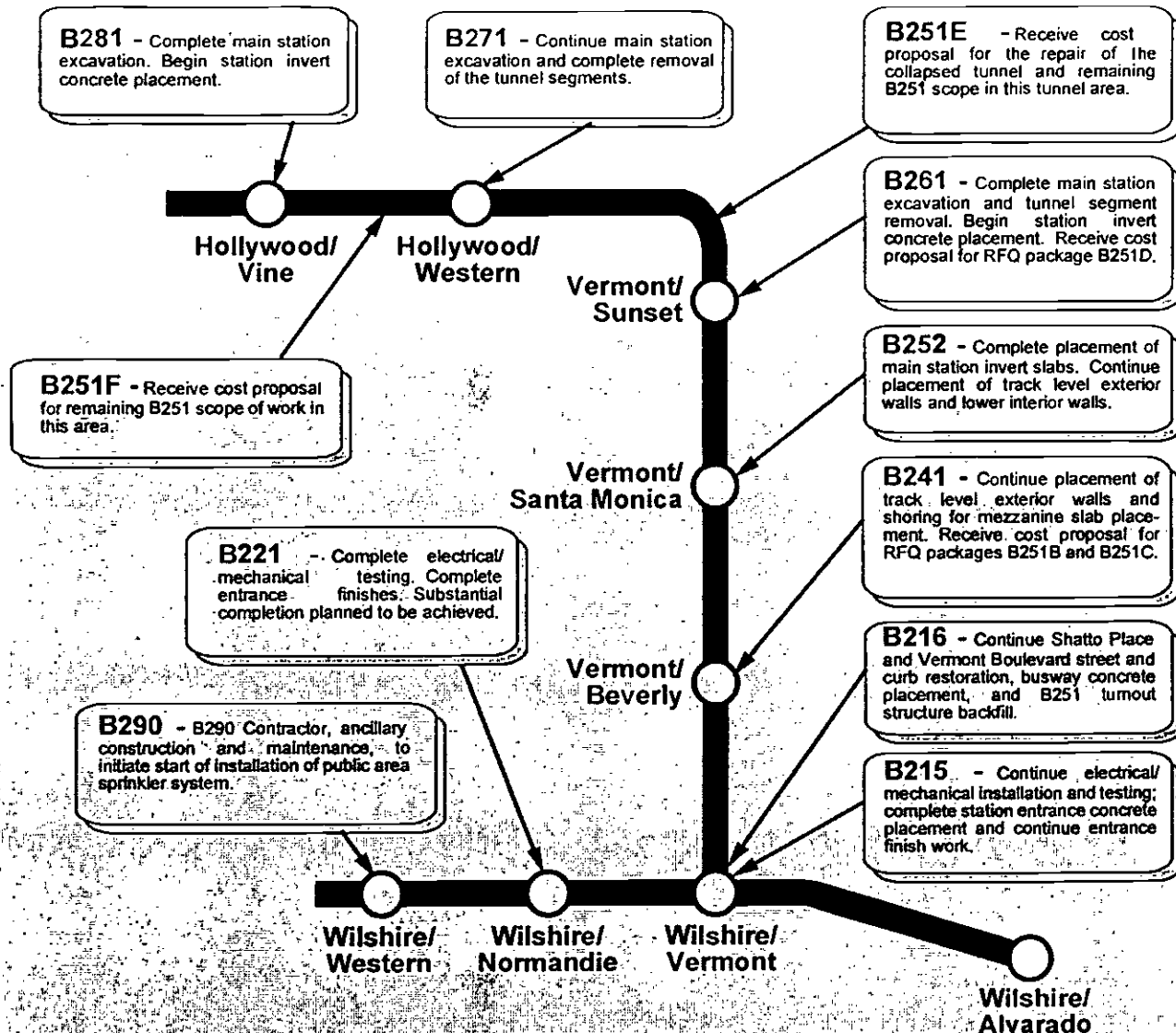
SYSTEMWIDE ACTIVITIES

Continued with communication testing at Wilshire/Western and Wilshire/Normandie Stations. Continued train control operational tests. Continued installation of elevators/escalators at Wilshire/Normandie and Wilshire/Vermont Stations.

METRO RED LINE - Segment 2
Summary Status Report
Period ending - October 27, 1995



MAJOR ACTIVITIES NEXT PERIOD



SYSTEMWIDE ACTIVITIES

Complete train control operational test and begin dynamic testing. Continue with communication testing at Wilshire/Western and Wilshire/Normandie Stations. Commence B710 installation of the Wilshire/Vermont plaza and entrance elevators and escalators. Continue local field acceptance tests at Wilshire/Normandie Station.

METRO RED LINE - Segment 2

Summary Status Report

Period ending - October 27, 1995



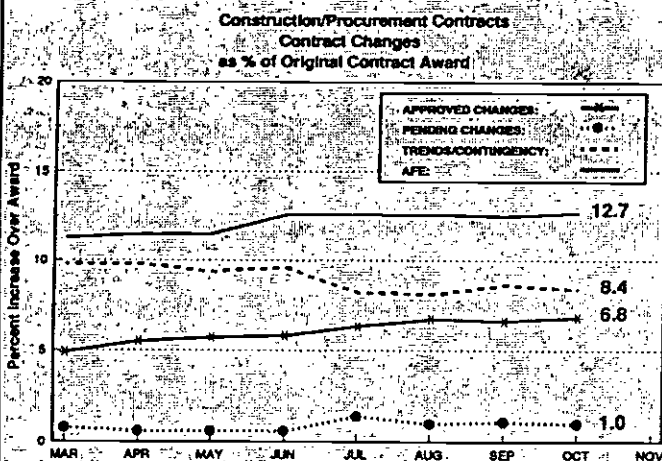
BUDGET

	Amount (in \$ mil)	Change from Last Month (in \$ mil)
Original Budget	1446	None
Approved Budget	1517	None
Current Forecast	1517	None
Expenditures	1017	+13.0

BUDGET ANALYSIS

- B251 scope was redefined. Estimate for this work is in progress. Project forecast is under review.

CONTRACT CHANGES



CONTRACT CHANGE ANALYSIS

- The approved changes had a 0.2% increase in October, primarily due to various executed Change Notices and Work Authorization Change Notices for work performed on various construction contracts. The Trends/Contingency had a 0.2% decrease, primarily due to the increase in the total logged value for construction changes.

METRO RED LINE - Segment 2 Summary Status Report

Period ending - October 27, 1995

SCHEDULE

Wilshire

Change from Last Month

Current ROD	Jul 1996	None
Design Progress	100%	None
Critical Path	+52 Days	-10 days
Float		

Vermont/Hilywd.

Current ROD	Dec 1998	None
Design Progress	99%	None
Critical Path	-54 Days	-0-
Float		

Const. Progress	63%	+1%
-----------------	-----	-----

SCHEDULE ANALYSIS

- Maintaining two months ahead of schedule for Wilshire Corridor. There are three critical paths to ROD, Wilshire/Vermont entrance completion, Automatic Train Control operational testing, and System Integration testing.
- Proceeding with schedule mitigation for Vermont/Hollywood corridor. No change to Vermont / Hollywood corridor critical path.
- RFQ package B251F for tunnels between Hollywood/Western and Hollywood/Vine is under review for potential delays to the adjacent stations and possibly the Vermont/Hollywood Corridor critical path.
- The positive float was reduced by delays to Train Control, start of Dynamic Testing and System Integration.

SAFETY

Change from Last Month

Recordable Injury Rate		
National Average	12.2	
Project Rate (Cum.)	22.1	-0.2

Lost Time Rate (Frequency)		
National Average	4.9	
Project Rate (Cum.)	3.0	-0.1

Lost Work Days (Severity)		
National Average	148.1	
Project Rate (Cum.)	77.3	-1.0

SAFETY ANALYSIS

- New Safety staff has been added to supplement the safety effort.

METRO RED LINE - Segment 2
Summary Status Report
Period ending - October 27, 1995



COMMUNITY ISSUES

- **Wilshire Corridor - Safety/Security concerns around stations. Increased communications with MTA Construction Security and Transit Police. Complaints from businesses that the Wilshire/Western Station is not being maintained; trash, dust are increasingly evident. Arts Festival - October 14, 1995; Public tours conducted.**
- **Vermont Corridor - Councilmember's concerns regarding Risk Management related to sinkhole. MTA is opening a Risk Management field office to ensure prompt response.**

QA / TQM ISSUES

- **Audit of contractor at B241 is in progress.**
- **Issues regarding the EMC Design Quality Manual and Procedures are nearing resolution, new DQM by 12/31/95.**
- **Recruitment of all new Quality personnel was completed 9/30/95.**
- **QC Management Organization being reviewed.**
- **The third session with the L.A. County Grand Jury will be on November 3, 1995.**

CCR BACKLOG STATUS

- **72 CCR's pending approval of the CCRB at an estimated value of \$8,955,258.00.**
- **51 CCR's have been approved by the CCRB for an estimated value of \$5,063,091.00.**

**METRO RED LINE SEGMENT 3
NORTH HOLLYWOOD EXTENSION
EXECUTIVE SUMMARY**

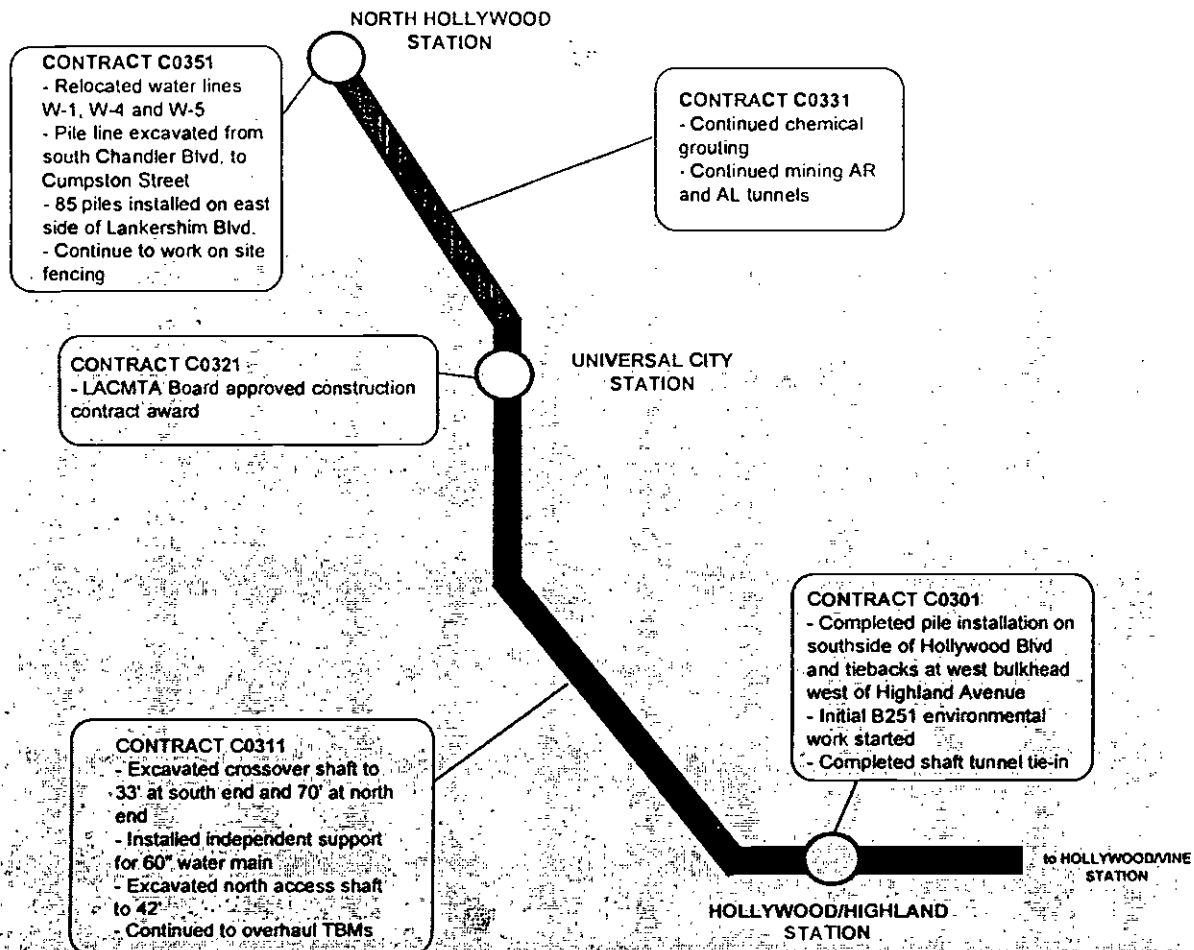
METRO RED LINE - Segment 3 No. Hollywood

Summary Status Report

Period ending - October 27, 1995



MAJOR ACTIVITIES THIS PERIOD



Contract C1610 trackwork installation constructibility review comments continued to be incorporated into final design.

Contract B251H remaining B251 scope repackaging work completed. Work started on October 20, 1995.

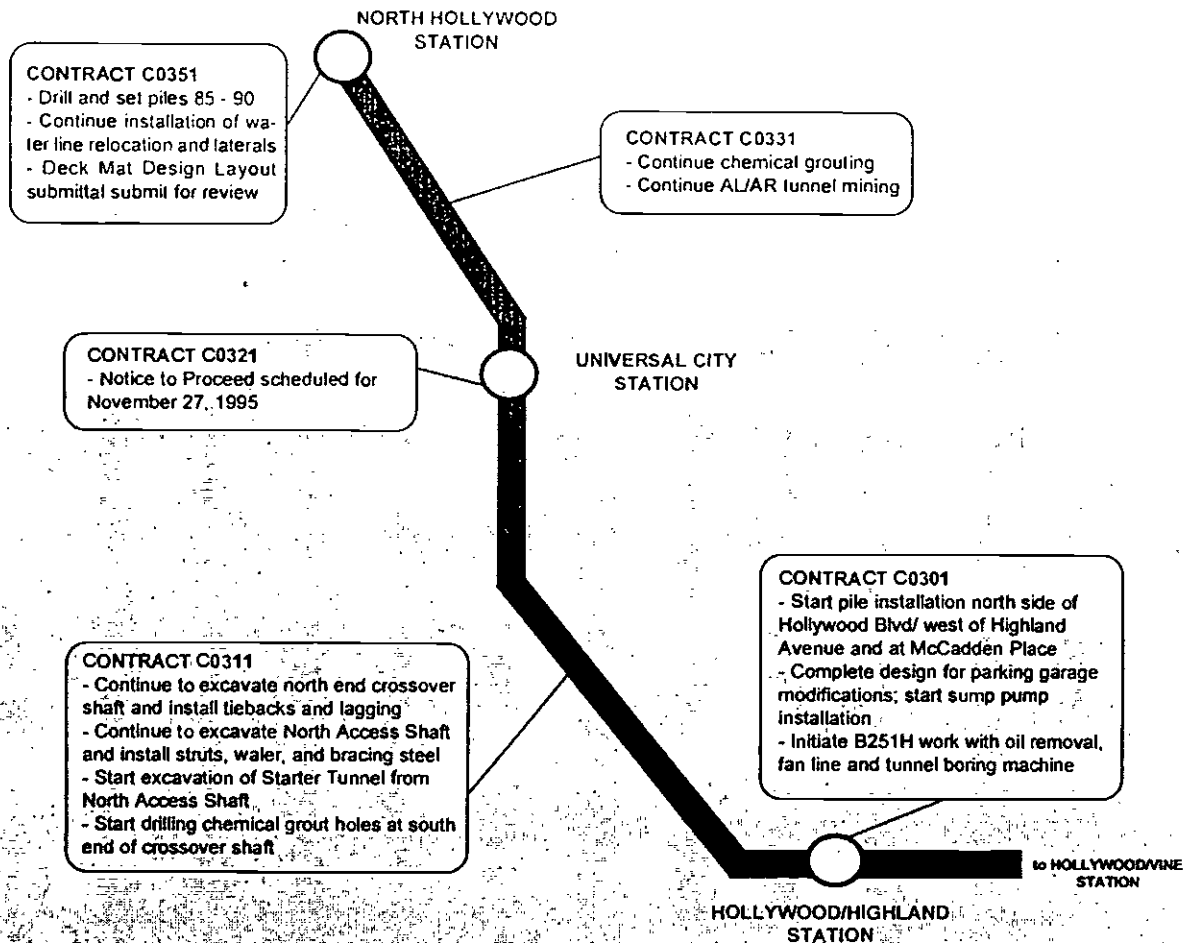
METRO RED LINE - Segment 3 No. Hollywood

Summary Status Report

Period ending - October 27, 1995



MAJOR ACTIVITIES NEXT PERIOD



Contract C1610 final design work to continue.

Contract C0301 parking structure modifications installation and finish work to start. Pile installation commencing on north side of Hollywood Boulevard. RFI issues to be resolved.

Contracts B612, B620, B630 and H0631 design work to continue.

Contract C0311 starter tunnel chemical grout to start.

Contract C0321 Notice to Proceed to be issued in November 1995.

METRO RED LINE - Segment 3 No. Hollywood

Summary Status Report

Period ending - October 27, 1995



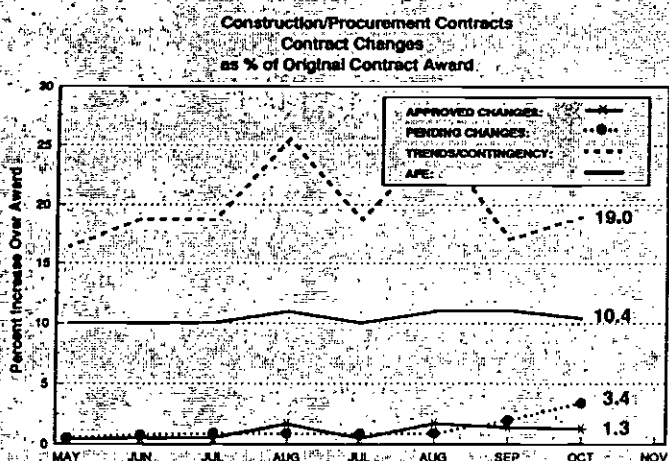
BUDGET

	Amount (in \$ mil)	Change from Last Month (in \$ mil)
Original Budget	1310.8	None
Approved Budget	1313.8	None
Current Forecast	1323.6	None
Expenditures	260.6	15.6

BUDGET ANALYSIS

- There was no increase to the Current Budget for the month of October 1995. PBCR #3 was processed for Original Scope work resulting in an increase to Construction, Professional Services and Utility/Force Accounts. The Current Budget Increases were offset by a decrease to Contingency.
- C0312 was deleted at the September 1995 Board Meeting resulting in a forecast decrease of \$30 million. C0301 forecast increased by \$2.0 million due to the processing of the B251H WACN. C0331 forecast increased by \$6.1 million due to additional grouting costs. C0351 forecast increased by \$4.0 million for access delays due to C0331.
- Professional Services for Construction Management increased due to the final negotiated value for the JMA contract of \$55.9 million. PD forecast was reduced by \$48.2 million in preparation of negotiations for the CM contract resulting in a net increase to Construction Management of \$7.7 million. Project Administration forecast increased \$1.9 million due to additional costs for QA/QC and Safety.
- Forecast changes were offset by an increase to Project Contingency of \$8.3 million. There were no changes to the New Requirements Budget or Forecast for this period.

CONTRACT CHANGES



CONTRACT CHANGE ANALYSIS

- Approved changes and pending changes, together, account for approximately 5% increase over contract award. As construction progresses, this low percentage is expected to eventually increase to 19% as indicated by the trends/contingency line.
- Pending change percentage rose 1.4% and trends/contingency rose 1.9% mainly due to \$4,668,450 in pending changes filed on Contract C0331 since last period.
- Contracts B610, B612, B616, B630, B641, B642, B646, B710, B761, B795 and C0329 were added this period which increased the trend/contingency to 19% from 17.1% the previous period.
- The Authorized for Expenditure (AFE) percentage was down by 0.7% this period due to a decrease in AFE's on Contract B645 of \$5,768,401 which helped offset AFE's added by Contracts B610, B612, B616, B630, B641, B642, B646, B710, B761, B795 and a \$900,000 increase on C0331.

METRO RED LINE - Segment 3 No. Hollywood Summary Status Report

Period ending - October 27, 1995

SCHEDULE

		Change from <u>Last Month</u>
Current ROD	May 2000	None
Design Progress*	88.3%	+0.3%
Construct. Progress*	13.6%	+1%
Critical Path Float	-104 Days	None

*Estimates at time of update.

SCHEDULE ANALYSIS

- Critical path delay is currently at the start of the CO311 Tunnel contract and continues through systems installation. Recovery analysis work is underway.
- The Critical Path Float has remained unchanged (no worsening) for the last 3 report periods, indicating a stable plan and expected progress.
- Efforts continue to recover schedule via trackwork and systems installations. A revised trackwork installation plan is expected by month end December.

SAFETY

		Change from <u>Last Month</u>
Recordable Injure Rate		
National Average	12.2	
Project Rate (Cum.)	14.5	.4
Lost Time Rate (Frequency)		
National Average	4.9	
Project Rate (Cum.)	0.0	-
Lost Work Days (Severity)		
National Average	148.1	
Project Rate (Cum.)	0.0	None

SAFETY ANALYSIS

- No significant changes identified.
- Additional Safety staff has been added to supplement the safety effort.

METRO RED LINE - Segment 3 North Hollywood

Summary Status Report

Period ending - October 27, 1995



COMMUNITY ISSUES

- CO301 - Hollywood/Highland Station - Provided temporary lodging for residents of the Hollywood Inn impacted by noise from construction.
- Reported issue of noise problem at McCadden Place worksite and recommended placement of 18 ft. sound blanket barrier (contractor has been ordered to erect barrier) (Supervisor Zev Yaroslavsky, Councilwoman Jackie Goldberg).
- Continue to provide mitigation to impacted businesses (signage, parking, flyers and banners); (Active involvement of Councilwoman Jackie Goldberg & Supervisor Zev Yaroslavsky).
- CO351 - North Hollywood Station - Coordinate improvements to Fair Avenue to provide safe pedestrian route for residents and school children (Councilman John Ferraro).
- Provided signs and A-frames for Metro Ford Dealership (North Hollywood).
- Prepared and distributed Construction notices and grouting Fact Sheets pertaining to grouting activities on Lankershim Boulevard (Assemblyman Katz, Councilman John Ferraro).
- Completed business survey, by visiting all affected businesses in the one mile of Lankershim Boulevard impacted by tunnel grouting project. (Assemblyman Katz, Councilman John Ferraro, Supervisor Zev Yaroslavsky).
- Provided LANI with ground-breaking space, generator, signage for kick-off of NoHo Arts District (Councilman Ferraro).
- Attended community meeting for Outpost Homeowners Group regarding environmental and construction issues. (Senator Hayden, Councilman John Ferraro).
- Preparing Public Affairs plan involving consulting services from Dean Ryan & Associates to mitigate environmental concerns pertaining to rail construction issues. Active involvement of both Supervisor Zev Yaroslavsky and Councilman John Ferraro. Senator Tom Hayden opposes project.

QA / TQM ISSUES

- Audit of C0311 Contractor is completed. Exit meeting scheduled for November 2, 1995.
- Complete Quality Program from JMA not submitted. QA procedures are under review. Still awaiting QC procedures, audit schedules, etc. to evaluate JMA Quality Program.
- Audit at C331 is in progress.
- L.A. County Grand Jury given a tour of C331 on October 30, 1995.

CCR BACKLOG STATUS

- 47 CCR's pending approval of the CCRB at an estimated value of \$11,014,447.00.
- 18 CCR's have been approved by the CCRB for an estimated value of \$4,568,763.00.

METRO RED LINE SEGMENT 3

MID CITY EXTENSION

EXECUTIVE SUMMARY

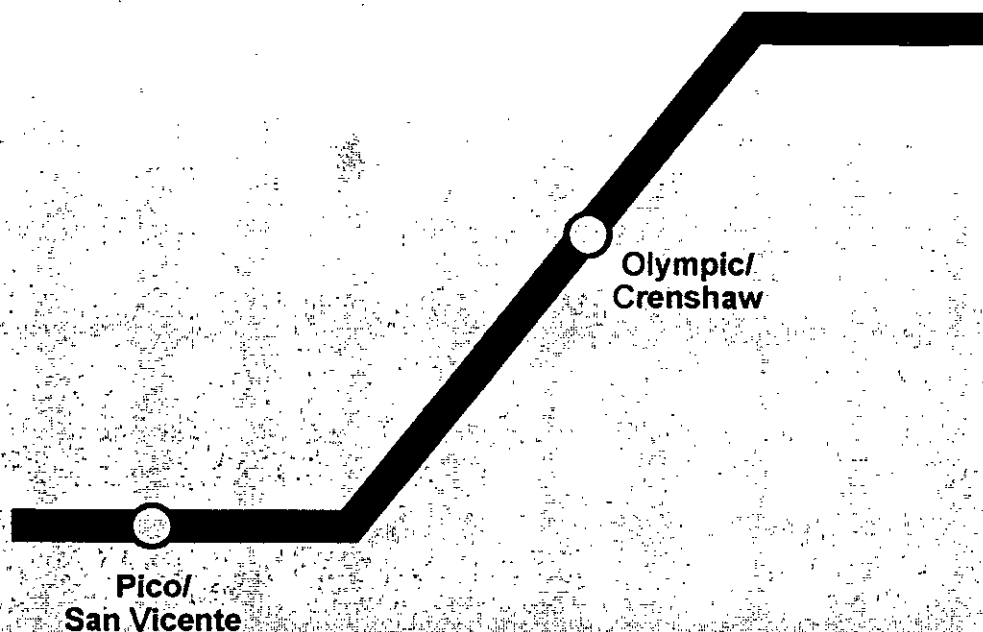
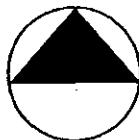
METRO RED LINE - Segment 3 Mid-City

Summary Status Report

Period ending - October 27, 1995



MAJOR ACTIVITIES THIS PERIOD



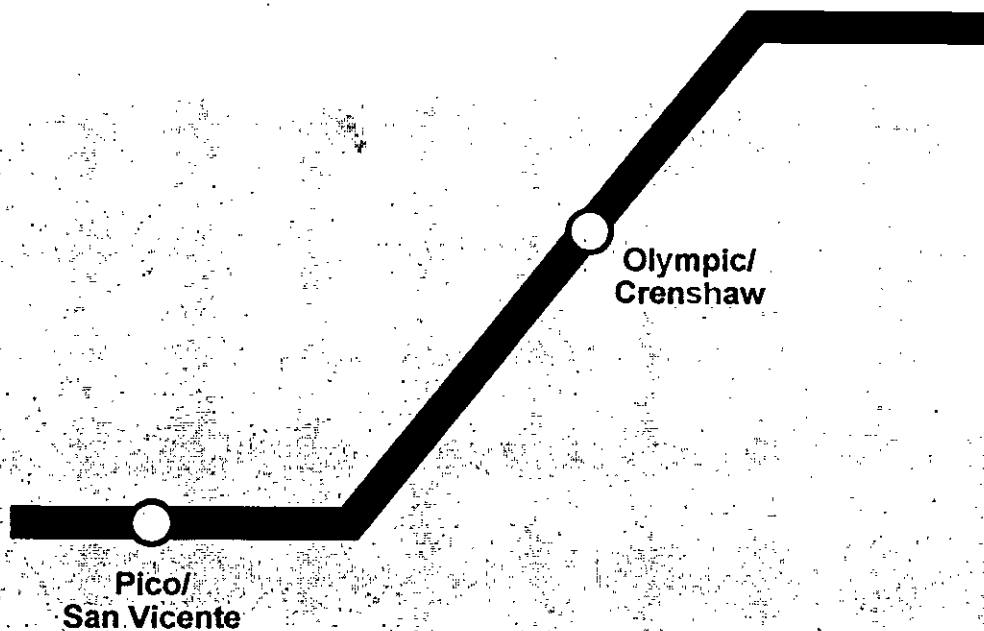
SYSTEMWIDE ACTIVITIES

- All remaining items required to issue the draft SEIS/SEIR document to MTA were completed by Enviro-Rail.
- The draft document was issued to and reviewed by MTA and all comments will be incorporated into the draft SEIS/SEIR.

METRO RED LINE - Segment 3 Mid-City
Summary Status Report
Period ending - October 27, 1995



MAJOR ACTIVITIES NEXT PERIOD



SYSTEMWIDE ACTIVITIES

- Enviro-Rail will complete incorporation of MTA comments into the draft report.
- The draft SEIS/SEIR with MTA's comments incorporated will be issued to the FTA for their review and comments.

METRO RED LINE - Segment 3 Mid-City

Summary Status Report

Period ending - October 27, 1995



BUDGET

	<u>Amount (in \$ mil)</u>	<u>Change from Last Month (in \$ mil)</u>
Original Budget	490.6	None
Approved Budget	490.6	None
Current Forecast	TBD	TBD
Expenditures	10.2	0.1

BUDGET ANALYSIS

- Forecast values will be subject to outcome of alignment alternative selected.

SCHEDULE

		<u>Change from Last Month</u>
Current ROD	TBD	None
Design Progress	0%	None
Construct. Progress	0%	None
Critical Path Float	N/A	None

SCHEDULE ANALYSIS

- Design configuration in development.
- Status of project is awaiting final preparation of SEIS/SEIR document which will be submitted to the MTA Board for approval in January 1996.
- The current estimate for project completion is seven years.

CCR BACKLOG STATUS

- 2 CCR's pending approval of the CCRB at an estimated value of \$88,900.
- 5 CCR's have been approved by the CCRB for an estimated value of \$887,253.

SAFETY

COMMUNITY ISSUES

QA/TQM ISSUES

- No activity for this period.

METRO RED LINE SEGMENT 3

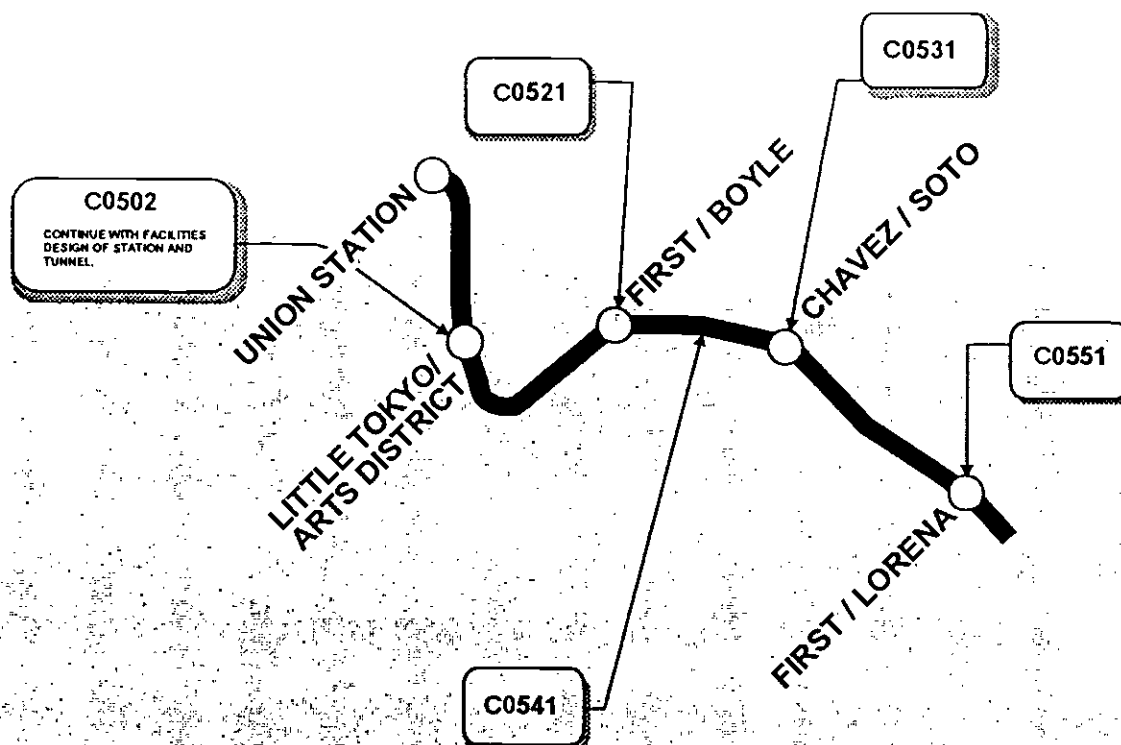
EAST SIDE EXTENSION

EXECUTIVE SUMMARY

METRO RED LINE - Segment 3 East Side
Summary Status Report
Period ending - October 27, 1995



MAJOR ACTIVITIES THIS PERIOD



SYSTEMWIDE ACTIVITIES

CONTINUED RIGHT-OF-WAY CERTIFICATION, CONTINUED UPDATING END MODULES WITH VERTICAL FANS DESIGN, CONTINUED GEOTECHNICAL SERVICES, BEGAN BUILDING SYSTEMS CELL LIBRARY. MTA BOARD APPROVED SECTION DESIGNERS. EMC SUBMITTED PROPOSAL ON OCTOBER 26, 1995 TO EXTEND SERVICES UNDER THE \$6 MILLION AFE FROM A COMPLETION DATE OF NOVEMBER 30, 1995 TO JANUARY 31, 1996.

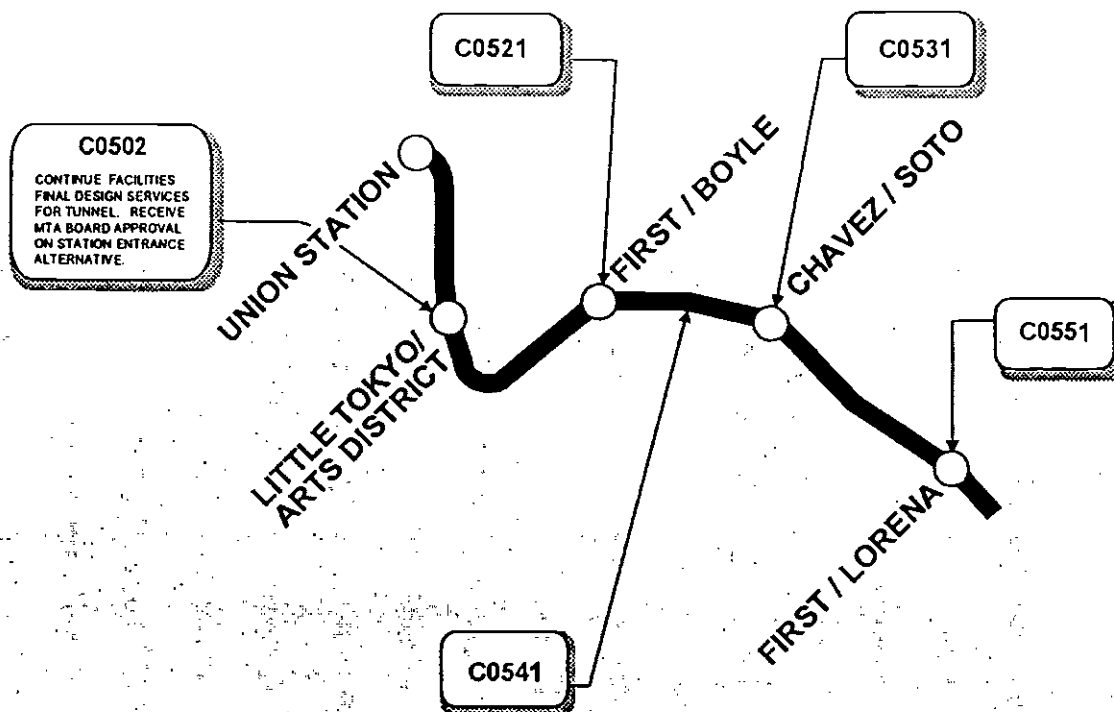
METRO RED LINE - Segment 3 East Side

Summary Status Report

Period ending - October 27, 1995



MAJOR ACTIVITIES NEXT PERIOD



SYSTEMWIDE ACTIVITIES

CONTINUE RIGHT-OF-WAY CERTIFICATION, BEGIN SYSTEMS ATC STUDY, CONTINUE GEOTECHNICAL SERVICES. ISSUE AMENDMENT TO EMC'S CONTRACT FOR \$6 MILLION AFE TIME EXTENSION. COMPLETE UPDATE OF DRAWINGS BASED UPON REDEFINED STATION PROFILES AND TUNNEL REALIGNMENT. EMC TO GIVE PRESENTATION TO SECTION DESIGNER, EMC TO RECEIVE SECTION DESIGNER'S COST PROPOSALS BY NOVEMBER 15, 1995. SECTION DESIGNER NEGOTIATIONS WILL BEGIN. CONDUCT BOARD WORKSHOP ON EAST SIDE EXTENSION PROJECT.

METRO RED LINE - Segment 3 East Side

Summary Status Report

Period ending - October 27, 1995



BUDGET

	<u>Amount</u> (in \$ mil)	<u>Change from</u> <u>Last Month</u> (in \$ mil)
Original Budget	980.0	None
Approved Budget	980.0	None
Current Forecast	980.0	None
Expenditures	12.2	0.4

BUDGET ANALYSIS

- \$3.2 million monthly cost for project delay due to delay of section design Notice to Proceed.

SCHEDULE

		<u>Change from</u> <u>Last Month</u>
Current ROD	Nov 2002	None
Design Progress	34.2%	2.2%
Construct. Progress	N/A	N/A
Critical Path Float	-204	-5

SCHEDULE ANALYSIS

- Delay in section Design Notice to Proceed has a day for day impact on project critical path.
- CM procurement on hold pending outcome of design-build study.
- Forecast ROD is now August 2003, or 204 days behind FFGA schedule.

CONTRACT CHANGES

SAFETY

- No activity for this period.

**METRO RED LINE - Segment 3 East Side
Summary Status Report
Period ending - October 27**



COMMUNITY ISSUES

- **HOUSING:** Relocation assistance re: lump sum v. Installments, schedule of relocation (Supervisor Gloria Molina & Congresswoman Roybal-Allard).
- **CONSTRUCTION:** Mitigation program (Supervisor Gloria Molina).
- **ECONOMIC DEVELOPMENT:** Employment Local employment opportunities.(Congressman X. Becerra, Congresswoman Roybal-Allard, Senator Hilda Solis, Supervisor Gloria Molina). Public Affairs is creating a pilot community outreach program that will employ several individuals from the community to help disseminate information.
- **COMMUNITY OUTREACH:** One public affairs officer (PAO) is now devoted at 100% to the Eastside area. The PAO will establish a multi-lingual information telephone line, banner program, and a Metro Rail Information Field Office. (Supervisor Gloria Molina, Councilman Richard Alatorre, Congresswoman Roybal Allard, Congressman X. Becerra, Assemblyman Louis Caldera, Assemblyman Villairgosa).
- **PROJECT TIMEFRAME:** Any delays to the project is a strong concern (Congresswoman Roybal-Allard & Councilman Alatorre).

QA / TQM ISSUES

- Comprehensive Audit of EMC has been completed (report sent to EMC 10/04/95).
- Completion of upgrade of Design Quality Manual for EMC is scheduled for 12/31/95.
- Resolution of outstanding QA issues by EMC is underway. Items for resolution prior to initiation of East Side design have been received by MTA QA and evaluated. EMC is currently working to resolve outstanding issues.

CCR BACKLOG STATUS

- 4 CCR's pending approval of the CCRB at an estimated value of \$62,500.00.

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VEHICLE ACQUISITION PROJECT

EXECUTIVE SUMMARY

L.A. LIGHT RAIL VEHICLE

Summary Status Report

Period ending - October 27, 1995



MAJOR ACTIVITIES THIS PERIOD

1. Siemens (STS) informed the MTA of a new reorganization of their transportation systems - Impact is unknown but should be minimal.
2. Vehicle Subsystems Design progressed.
3. The decision on Driverless was postponed another month by the MTA Board.
4. Siemens assumed the responsibility of operating the Carson Facility formerly managed by AAI. First carshell manufacturing progressing (slow).
5. Siemens also assumed responsibility of design for the Air Conditioning unit as the subcontractor was unable to perform on time.

ACTIVITIES NEXT PERIOD

1. Weight and schedule problems will be discussed with Siemens.
2. ATPDP Product C (air conditioning) critical design review will be held with TRW/Aerojet.
3. MTA Board will consider the Driverless option.
4. Siemens would be directed to include Spanish language to Public Address Announcements and Signage.

BUDGET

	Amount (in \$ mil)	Change from Last Month (in \$ mil)
Original Budget	257.6	-0-
Approved Budget	257.6	-0-
Current Forecast	201.4	-0-
Expenditures	59.5	-0-

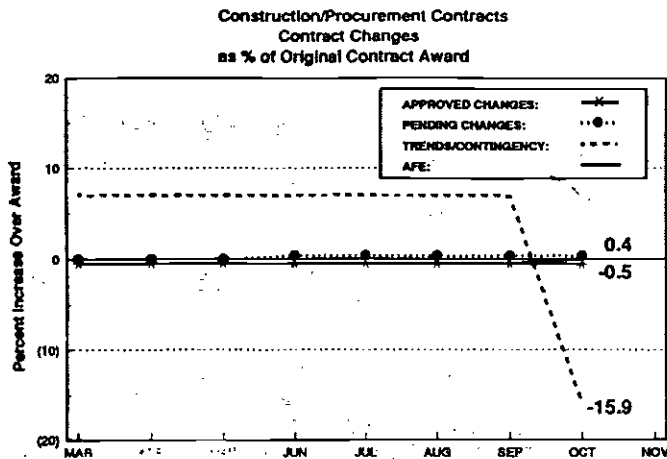
BUDGET ANALYSIS

- Car reduction effected 9/08/95 which will reduce contract value from \$215 million to about \$170 million after termination liability is negotiated (4-6 months from now).
- Current forecast includes reduction of both procurement contract value and other project costs.

L.A. LIGHT RAIL VEHICLE Summary Status Report

Period ending - October 27, 1995

CONTRACT CHANGES



CONTRACT CHANGE ANALYSIS

The figures for October 1995 are as follows:

Approved Changes (0.5%)
 Pending Changes 0.04%
 Trends/Contingency (15.9%)
 AFE 0.0%

Trends/Contingency decreased from (5.3%) to (15.9%). This was due to a revised forecast of necessary contingency to reflect the reduction of the P2000 car order from 74 cars to 52 cars.

SCHEDULE

		Change from Last Month
Schedule Car Delivery		
1st Car	April 1997	-5 months
52nd Car	April 1999	-5 months
Design Progress	80-90% complete	N/C
Fabrication Progress	25-30% complete	N/C
Critical Path	Carshell delivery	N/C
Float	-5 months	

SCHEDULE ANALYSIS

Contractor's current forecast schedule reflects a total of seven months delay in 1st car deliveries. STS is reviewing the schedule to see if improvements can be made. Carshell delivery is on the critical path. Acceleration of delivery schedule for first several carshells is unlikely, however, delivery schedule may improve for later units.

SAFETY

COMMUNITY ISSUES

- No activity for this period.

**L.A. LIGHT RAIL VEHICLE
Summary Status Report
Period ending - October 27, 1995**



QA / TQM ISSUES

- This week 13,778 piece parts were received by the Siemens Transportation Systems (STS) Carson plant facility from vendors that fabricate parts for the P2000 contract. Several of these parts were reworked and sent back by the vendors. 60% of the parts received were for underframe and associated parts. The remaining parts were for the carbody (30%), bolster of articulation (2%), the side wall (1%). 112 parts were rejected for dimensional and manufacturing discrepancies. The average rejection rate for all vendors equaled 3.8%.

ANTICIPATED ACTIVITY DURING NEXT REPORTING PERIOD

- Continue receiving and source inspections.
- Continue welding, assembly and inspections of the first underframe assembly.
- Continue welding, assembly and inspections of the second underframe assembly.

CCR BACKLOG STATUS

- 2 CCR's pending approval by the CCRB for an estimated value of \$263,000.
- No CCR's were approved by the CCRB during the period.