RAIL CONSTRUCTION CORPORATION



Executive Report Rail Program Status





RAIL PROGRAM STATUS SUMMARY

RAIL PROGRAM STATUS SUMMARY

Metro Red Line Segment 1 Cost Status (\$000) **Project Progress** Original Budget 1,249,900 Design: 1,387,918 ** Expended to Date Actual: 100% Current Budget 1,450,019 Construction: Schedule Status 99% Actual: Revenue Operations Date: April 1992 Original Actual January 1993 ** Expenditure data through May 1993 Metro Red Line Segment 2 **Cost Status** (\$000)**Project Progress** Original Budget 1,446,432 Design: Expended to Date 480,416 * Actual: 95% Current Budget 1,511,682 Construction: Schedule Status: Revenue Operations Dates: 23% Actual: Wilshire Vermont/Hlvwd Jul '96 Sep '98 Original Sep '98 Forecast Jul '96 Metro Red Line Segment 3 - North Hollywood Extension (\$000) Cost Status **Project Progress** Original Budget 1,310,822 Design: Expended to Date 34,660 * Actual: 43% **Current Budget** 1,310,822 Construction Schedule Status 0% Actual: Revenue Operations Date: Original 2000 **Forecast** 2000 Metro Red Line Segment 3 - Mid-City Extension Cost Status (\$000) **Project Progress** Original Budget 490.663 Design: 1,307 * Expended to Date Actual: 24% Current Budget 490,663 Construction: Schedule Status Actual: 0% Revenue Operations Date: Original 1999 Forecast 1999 Metro Green Line (Budget and forecast excludes North Coast Segment) **Cost Status** (\$000) **Project Progress** 671,000 Original Budget Design: 370,717 * Expended to Date Actual: 99% Current Budget 722,402 Construction: **Schedule Status** Actual: 66% Revenue Operations Date: Original October 1994 Forecast May 1995 * Expenditure data through July 1993

Metro Pasadena Line

Cost Status (\$000) Project Progress

Original Budget 841,000 Design:

Expended to Date 18,394 • Actual: 42%

Current Budget 841,000 Construction:

Schedule Status: Actual: 0%

Revenue Operations Date:

Original November 1997

Forecast November 1997 * Expenditure data through July 1993

08/27/93

STATUS DATE:

RAIL CONSTRUCTION CORPORATION PROJECT COST REPORT - TOTAL RAIL PROGRAM SUMMARY BY COST ELEMENT

(IN THOUSANDS)

PROJECT: TOTAL RAIL PROGRAM

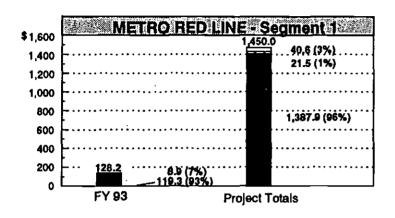
ELEMENT	BU	DGET	СОММІ	TMENTS	INCURR	RED COST	EXPEND	DITURES	CURRENT	VARIANCE
DESCRIPTION	ORIGINAL (1)	CURRENT (2)	PERIOD (3)	TO DATE (4)	PERIOD (5)	TO DATE (6)	PERIOD (7)	TO DATE (8)	FORECAST (9)	(9-2) (10)
T CONSTRUCTION	4,296,583	4,507,371	29,954	2,324,290	28,816	1,825,605	15,627	1,768,482	4,466,472	(40,899)
S PROFESSIONAL SERVICES	1,453,048	1,734,283	69,848	1,269,780	6,380	963,270	7,381	953,989	1,727,142	(7,141)
R REAL ESTATE	453,432	517,647	10,297	294,786	27,184	294,886	27,183	294,796	524,126	6,479
F UTILITY/AGENCY FORCE ACCOUNTS	132,187	118,439	299	94,254	1,335	78,889	993	77,115	126,807	8,368
D SPECIAL PROGRAMS	11,044	20,870	110	6,118	45	1,358	50	1,332	28,008	7,138
C CONTINGENCY	452,990	276,392	0	0	0	0	0	0	307,890	31,498
A PROJECT REVENUE	(18,115)	(36,395)	0	(820)	0	(6,410)	(1,312)	(7,722)	(36,695)	(300)
PROJECT GRAND TOTAL	6,781,169	7,138,607	110,508	3,988,409	63,761	3,157,599	49,923	3,087,993	7,143,752	5,145

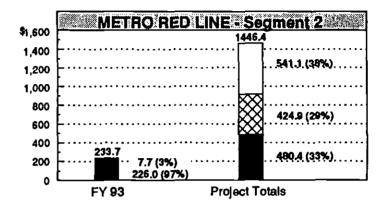
NEW REQUIREMENTS	BU	OGET	СОММІ	TMENTS	INCURR	RED COST	EXPEND	DITURES	CURRENT	VARIANCE
DESCRIPTION	ORIGINAL (1)	CURRENT (2)	PERIOD (3)	TO DATE (4)	PERIOD (5)	TO DATE (6)	PERIOD (7)	TO DATE (8)	FORECAST (9)	(9-2) (10)
T CONSTRUCTION	0	55,024	0	15	0	0	0	0	54,705	(319)
S PROFESSIONAL SERVICES	0	8,226	0	4,465	0	4,025	241	2,670	8,226	0
R REAL ESTATE	0	0	0	0	0	0	0	0	0	0
F UTILITY/AGENCY FORCE ACCOUNTS	0	0	0	0	0	0	0	0	0	0
D SPECIAL PROGRAMS	0	0	0	0	0	3	0	3	98	98
C CONTINGENCY	0	2,000	0	0	0	0	0	0	2,000	0
A PROJECT REVENUE	0	0	0	0	0	0	0	0	0	0
NEW REQ. SUBTOTAL	0	65,250	0	4,480	0	4,028	241	2,673	65,029	(221)
PROJECT GRAND TOTAL	6,781,169	7,203,857	110,508	3,992,889	63,761	3,161,627	50,164	3,090,666	7,208,781	4,924

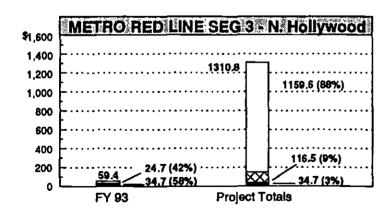
This report includes total project costs for the Metro Blue Line of \$877,271.

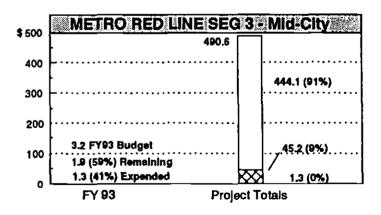
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BUDGET STATUS - August 27, 1993 (in \$ Millions)







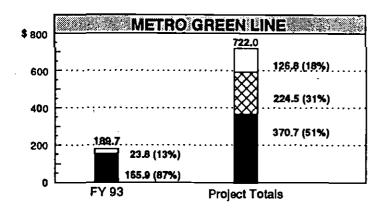


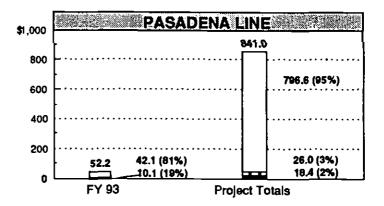
Actual Spent



Remaining Budget

BUDGET STATUS - August 27, 1993 (in \$ Millions)





Page 5

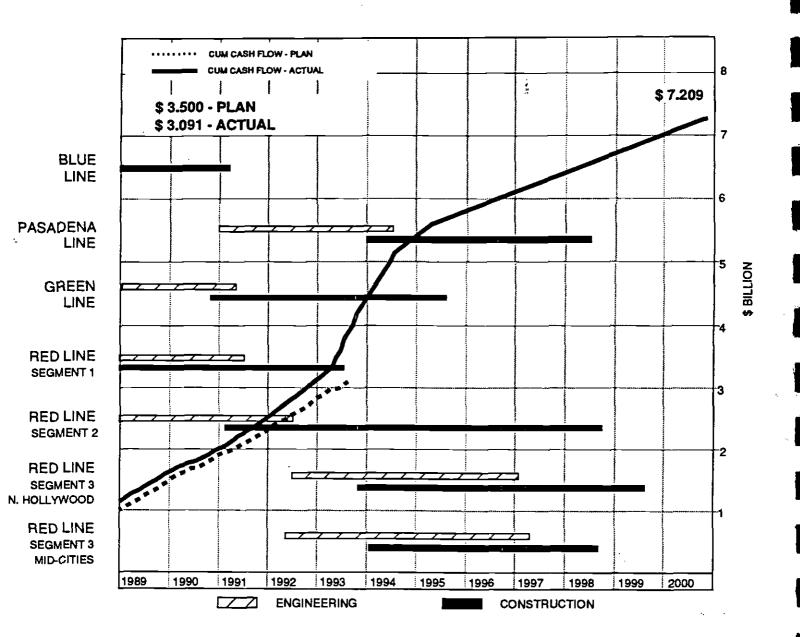
Actual Spent



Encumbered

Remaining Budget

Figure 1 - Rail Construction Plan



RAIL CONSTRUCTION FUNDING SOURCES

(IN MILLIONS)

·	METRO				METRO	GREEN					METRO R	ED LIN	METRO R	ED LIN	TOT	ĀL
	LIN		LIN		LII		SEG		SEG		SEG 3		SEG 3		PROG	RAM
FTA-SECTION 3	•	%	\$	<u>%</u>	\$	%	\$ 605.3	%	\$	%	\$	%	\$	%	\$	%
							605.3	42	667.0	44	681.0	52	242.6	49	2195.9	30
FTA-SEC 3 DEFERRED LOCAL SHARE					į			;								\
ISTEA											25.0	2	55.4	11	80.4	1
FLEXIBLE CONGESTION RELIEF													26.0	5	26.0	۰ ا
FTA-SECTION 9							90.6	6							90.6	1
STATE					106.0		210.3	15	186.0	12	190.0	14	72.3	15	764.6	11
SB 1995 TRUST FUND											53.0	4			53.0	1
PROPOSITION A	877.2	100			205.1	28	179,5	12	439.4	29					1701.2	24
TRANSIT ENHANCEMENT (PROP A/C)									59.9	4					59.9] 1
PROPOSITION C			846.1	100	400.4	55					344.7	26	94.4	19	1685.6	23
IMPERIAL HWY GRD SEP (STATE TCI)			ا،		4.5	1				!					4.5	0
AMERICAN DISABILITY ACT (PROP C)					6.4	1			5.1	0					11.5	0
CITY OF LOS ANGELES				j	i i		34.0	2	96.0	6					130.0	2
BENEFIT ASSESSMENT			. [[[130.3	9	58.0	4	17.1	1	l		205.4	3
COST OVERRUN ACCOUNT							200.1	14							200.1] 3
FORECAST						Ì										
TOTAL	877.2	100	846.1	100	722.4	85	1450.1	100	1511.5	100	1310.8	100	490.7	100	7208.8	100

CONSISTS OF LIGHT RAIL LINE (\$847) AND MC-5 WORK (\$30). LRT PORTION INCLUDED IN BLUE LINE FORECAST.

DOLLARS

CONSTRUCTION/PROCUREMENT CHANGE VOLUME BY COST LEVEL AND BASIS BASED ON EXECUTED CHANGES AS OF 08/31/93

COST LEVEL

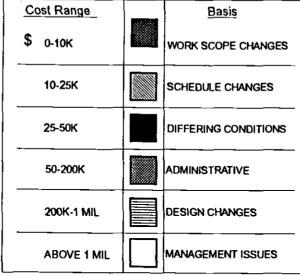
Total: \$49 Million

15.2% 18.8% 20.3% 3.3%

27.2%

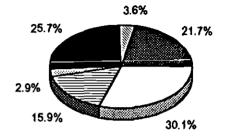
40.3% 3,8% 0.4% 37.4%

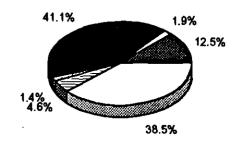
Legend



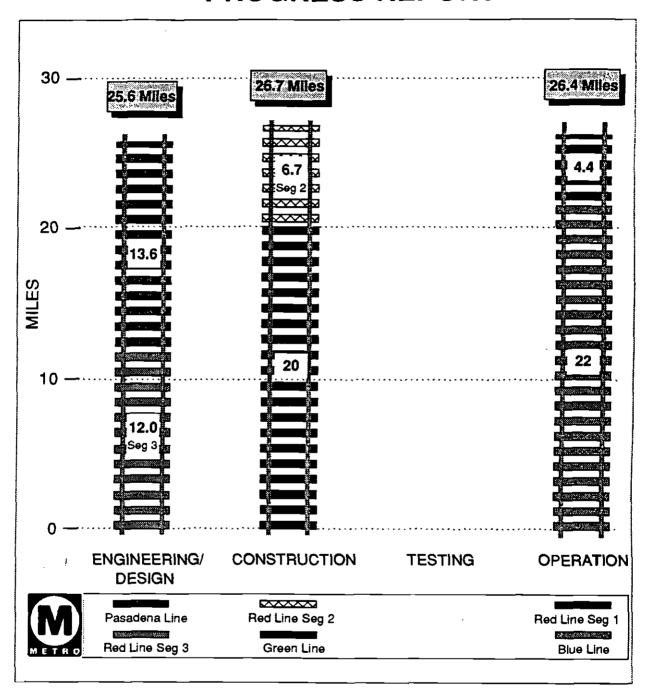
BASIS

Total: 276





METRO RAIL SYSTEMS PROGRESS REPORT



JUNE 1993

TOTAL 7.05W

REAL ESTATE

Figure 3 - Real Estate Acquisition Status Summary

	Number of Parcels	Number of Parcels Available	Parcels Not Available (on Schedule)
Pasadena Line	64	4	11
Green Line	39	39	0
Red Line Seg 2	86	71	8
Red Line Seg 3 NH	178	8	153
Red Line Seg 3 MC	59	0	53

Parcels Not	_											
	(Behind Schedule) Number Avg. Days Behind											
49 136												
0	0											
7	104											
25*	60											
6* _160												

MANAGEMENT ENGINEERING AND ADMINISTRATION COSTS

The corporate goals of the RCC include limitations on the percentage of total project costs which will be spent on project administration and on RCC/LACTC staff.

The RCC corporate goal for project administration costs is 20%. The current cost forecast data for project administration costs totals 24.4% which exceeds the corporate goal by 4.4%. The percentage includes all costs previously expended by the SCRTD when the Metro Red Line Segment 1 project was under SCRTD management.

Staff costs are projected at 4.2% of total program costs, which just exceeds the 4% corporate goal by 0.2%. Figure 6 illustrates the forecast figures for each project and for total program.

^{*} All parcels on the critical path.

Figure 6 - Cost Performance Relative to Corporate Goals

(IN THOUSANDS)

	METRO B		PASADI	TRO ENA LINE	METRO GR		METRO RE	NT 1	METRO R SEGME	NT 2	METRO RE		METRO R		TO1		CORPORA
	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	DOLLARS	PERCENT	
CONSTRUCTION	657,487	74.95%	492,399	58.19%	494,400	68.44%	813,539	56.11%	998,466	66.06%	847,876	64.68%	339,227	69.14%	4,643,394	64.41%	
REAL ESTATE	55,592	6.34%	74,308	8,78%	26,048	3.61%	140,000	9.66%	89,751	5.94%	91,054	6.95%	53,303	10.86%	530,056	7.35%	
PROFESSIONAL SERVICES:																	
ENGINEERING/DES	69,587	7.93%	75,968	8.98%	73,166	10.13%	221,661	15.29%	143,423	9.49%	82,187	6.27%	33,000	6.73%	698,992	9.70%	
CONSTR MGMT.	91,642	10.45%	71,580	8.46%	70,339	9.74%	116,429	8.03%	131,270	8.68%	84,000	6.41%	35,000	7.13%	600,260	8.33%	
STAFF	17,655	2.01%	31,338	3.70%	27,607	3.82%	94,708	6.53%	59,900	3.96%	52,433	4.00%	19,627	4,00%	303,268	4.21%	
OTHER	14,222	1.62%	25,885	3.06%	18,073	2.50%	32,610	2.25%	22,192	1.47%	36,127	2.76%	10,506	2.14%	159,615	2.21%	
SUBTOTAL	193,106	22.01%	204.771	24.20%	189,185	26.19%	465,408	32.10%	356,785	23.61%	254,747	19.43%	96,133	20.00%	1,762,135	24.44%	20
CONTINGENCY	963	0.11%	74,666	8.82%	19,287	2.87%	31,072	2.14%	66,759	4.42%	117,143	8.94%		0.00%	309,890		No. of Co.
PROJECT REVENUE	(29,877)	-3.41%		0.00%	(6,518)	-0.90%		0,00%	(300)	-0.02%		0.00%		0.00%	(36,695)	-0.51%	
GRAND TOTAL	877,271	100.00%	846,144	100.00%	722,402	100.00%	1,450,019	100,00%	1,511,461	100.00%	1,310,820	100.00%	490,663	100,00%	7,208,780	100.00%	

RCC PROJECT MANAGEMENT OVERSIGHT CONSULTANT ITEMS FOR RCC ACTION

The following items reflect action requirements identified in the August Project Report submitted to RCC by the Project Management Oversight Consultant, Fluor Daniel, Inc.

<u>NEW - August 1993</u>

Concern: The EMC should complete a Design Management Plan for the Pasadena

Line Project.

Action: The Metro Pasadena Line staff should direct the EMC to complete the

management tool.

Status: Under RCC review.

ONGOING - March 1993

Concern: The design criteria for Metro Pasadena Line is not yet approved by RCC.

Action: Review and approve December 1992 Metro Pasadena Line design and

performance criteria.

Status: Under RCC review.

Concern: The Metro Pasadena Line (MPL) staff has not yet developed a Value

Engineering Plan.

Action: A schedule for conducting Value Engineering should be developed

immediately.

Status: The MPL staff has agreed to this recommendation and is preparing an

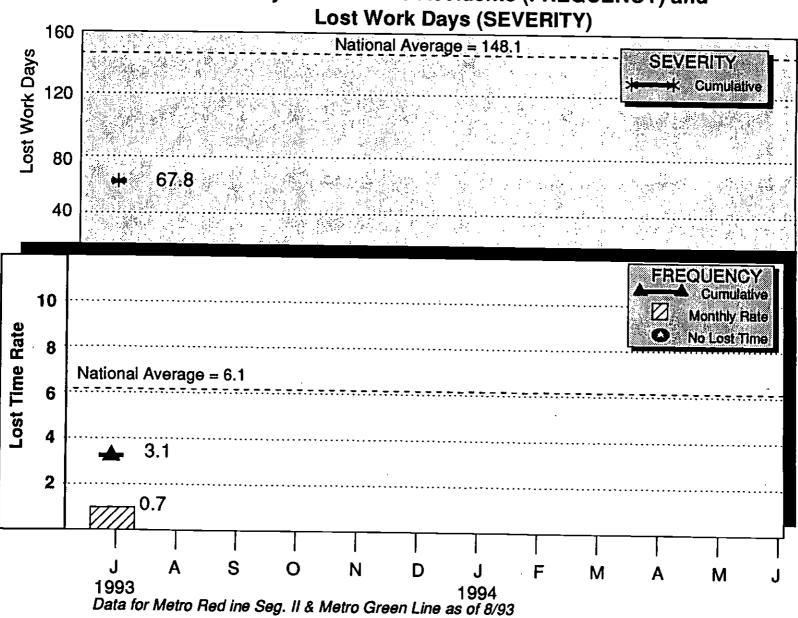
action plan.

RESOLVED -

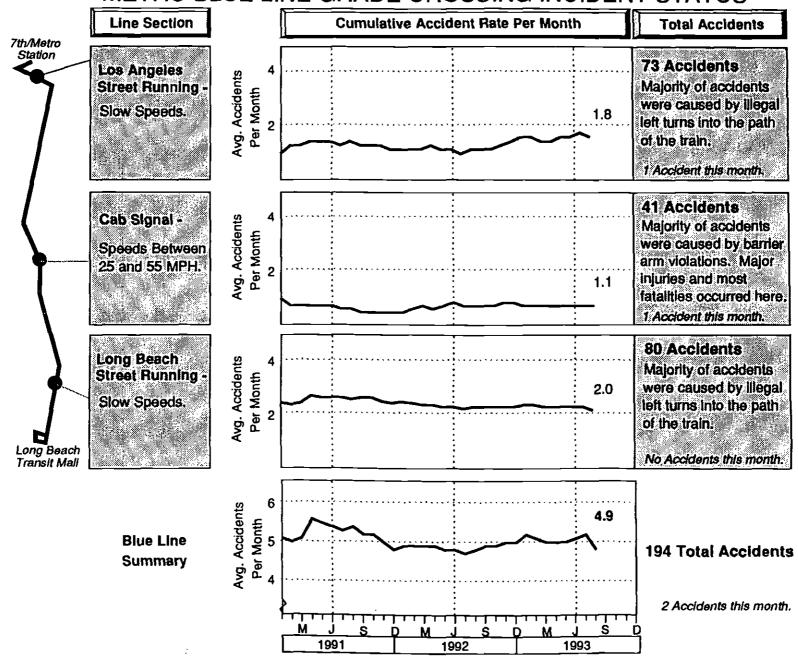
No New Items

AUGUST 1993

TOTAL PROGRAM
Summary of Lost Time Accidents (FREQUENCY) and



METRO BLUE LINE GRADE CROSSING INCIDENT STATUS

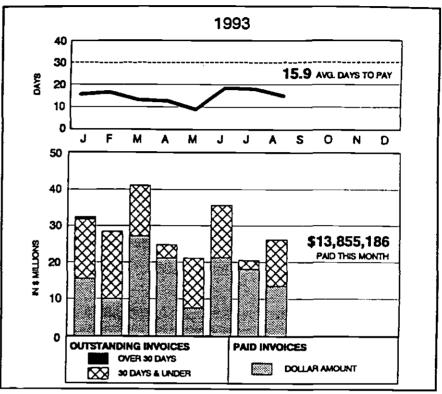


Page

INVOICE PROCESSING

- The average time taken to pay invoices for Construction and Procurement contracts (including Insurance) was 15.9 days.
- 24 invoices were paid this month for a total value of \$13,855,186.
- There were 18 outstanding Construction or Procurement invoices under 30 days old for \$12,652,691.
- There were no outstanding Construction or Procurement invoices over 30 days old.

Construction/Procurement Invoice Status



Note: The average days to pay is the time from when the Resident Engineer approves a progress payment (invoice) to when Accounting issues a check for this invoice.

OUTSTANDING INVOICES

	Cons	struction/Procu	rement Invo	ices	Other Invoices					
!	30 Days	and Under	Over 3	O Days	30 Days	and Under	Over 30 Days			
	Number of	Dollar	Number of	Dollar	Number of	Dollar	Number of	Dollar		
Month	Invoices	Value	Invoices	Value	Invoices	Value	Invoices	Value		
APR 1993	10	3,622,751	0	0	58	5,856,361	10	147,990		
MAY 1993	13	13,720,341	0	0	70	13,302,747	16	352,691		
JUN 1993	18	14,446,028	0	0	62	10,758,129	16	506,138		
JUL 1993	9	2,395,472	0	0	60	3,638,763	10	462,440		
AUG 1993	18	12,652,691	0	0	59	3,899,361	3	116,132		

RAIL CONSTRUCTION CORPORATION PRE CONTRACT STATUS SCHEDULE SUMMARY LOOK AHEAD 90 Days R05 Metro Pasadena Project

Page: 1

UPDATE:23-Sep-93

Cont. No.	Contractor/ Description	Contract Type	85% Design Approval	IFB/RFP Ready	Advertise Date	Pre-Bid Meeting	Bid Opening		RCC Board Approval	Comm. Approval	Contracts Lea	d\Engineering L	ead\Project Controls Lead
C6410	LA River Bridge	FP			10/13/93	10/20/93	11/24/93	12/08/93	01/10/94	01/26/94	VRANESH	\SCALA	\HADNETT

RAIL CONSTRUCTION CORPORATION PRE CONTRACT STATUS SCHEDULE SUMMARY LOOK AHEAD 90 Days R23 Metro Green Line

Page: 2

UPDATE:23-Sep-93

Cont.	Contractor/	Contract	85% Design IFB/RFP	Advertise	Pre-Bid	Bid	Bid Report	RCC Board	Comm.	Contracts Lead\Engineering Lead\Project Controls Lead
No.	Description	Type	Approval Ready	Date	Meeting	Opening	Complete	Approval	Approval	
C0170	ADA Elevators-Civil Work			10/04/93	11/23/93	01/13/94	01/27/94			J. Jackson \A. Griesbach U. Dale

RAIL CONSTRUCTION CORPORATION PRE CONTRACT STATUS SCHEDULE SUMMARY LOOK AHEAD 90 Days

R81 Metro Red Line Segment 2

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Page:	4			110		rod Diir	o ocgine	ik 2					UPDATE:23-Sep-93
Cont. No.	Contractor/ Description	Contract Type	85% Design Approval	IFB/RFP Ready	Advertise Date	Pre-Bid Meeting	Bid Opening	Bid Report Complete	RCC Board Approval	Comm. Approval	Contracts Lead	d\Engineering L	ead\Project Controls Lead
B261	VERMONT/SUNSET STATION	unit			10/25/93	11/18/93	12/21/93	12/31/93	02/07/94	02/23/94	MAHLER	\Carmichael	\Brown
B641	Radio System (Design/Furnish/Install)	unit	02/12/92		11/02/93	11/16/93	12/10/93	12/24/93	01/10/94	02/16/94	MARROQUI	N\Bennett	\Brown
B642	PUBLIC ADDRESS SYSTEM (PROCUREM	unit	02/19/93		10/25/93	11/10/94	12/09/94	12/24/94	01/10/94	01/26/94	MARROQUI	N\Morales	\9rown
B643	CLOSED CIRCUIT TV (PROCUREMENT)	unit	02/14/93		10/04/93	11/11/93	12/16/93	12/30/93	01/10/94	01/26/94	MAHAFFEY	/ \Bennett	\Brown
B647	Gas Monitoring System (Procurement)	unit	02/17/92		10/08/93	11/04/93	12/08/93	12/24/93	01/10/94	01/26/94	MAHAFFEY	/ \Morales	\Brown
B650	PASSENGER VEHICLE (DESIGN/SUPPLY	RFP			11/01/93	12/16/93	01/13/94	01/28/94	02/07/94	02/23/94	Antenucci	\Nelson	\Brown
B760	SIGNS & GRAPHICS (DESIGN/SUPPLY)	unit	01/06/93		09/27/93	10/12/93	11/11/93	11/19/93	12/06/93	12/15/93	MAHAFFFY	/ N	1

RAIL CONSTRUCTION CORPORATION PRE CONTRACT STATUS SCHEDULE SUMMARY LOOK AHEAD 90 Days

R82 Metro Red Line Segment 3

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Page:	5			102	. Meno	Keu Liik	e Segme	iit 3					UPDATE:23-Sep-93
Cont. No.	Contractor/ Description	Contract Type	85% Design Approval	IFB/RFP Ready	Advertise Date	Pre-Bid Meeting	Bid Opening	Bid Report Complete	RCC Board Approval	Comm. Approval	Contracts Lea	d\Engineering	Lead\Project Controls Lead
C0311	Line Section: Univ. City to Station 638		_		12/10/93	01/03/94	02/08/94	02/24/94	03/14/94	03/30/94	Gatewood	\Wilson	\Pierce
C0328	Universal City Demolition for C0311				10/29/93	11/12/93	12/08/93	12/22/93	01/05/94	01/20/94	Gatewood	\Wilson	\Pierce
C0411	Line Sec: Wilshire/Western to Pico/S.Vic				12/17/93	01/24/94	03/08/94	03/24/94	04/11/94	04/27/94	Gatewood	\Wilson	\Williams
C0428	Pico/San Vicente Demolition				11/05/93	11/30/93	01/04/94	01/13/94	01/25/94	02/04/94	Mendoza	\Fuks	\Williams

EXECUTIVE SUMMARY

COST STATUS (in millions)

• Current Budget \$841

Current Forecast \$846 (A)

(A) Includes an estimated \$5 million in grant monies for "Urban Greenways" Program and widening of College Street in Chinatown which is not included in the current budget.

SCHEDULE STATUS

Current Approved Revenue Operations Date
 November, 1997

Design Progress

- Actual 42%

Construction Progress

- Actual 00% (B)

(B) Construction planned to begin February 01, 1994

REAL ESTATE STATUS

MONTH	NUMBER OF PARCELS	PARCELS AVAILABLE	PARCELS NOT AVAILABLE (ON SCHEDULE)	PARCELS NOT (BEHIND SO NUMBER	entropy, a service de la recorda de la r
THIS MONTH	64	4	11	49	136
LAST MONTH	63	4	11	48	126

EXECUTIVE SUMMARY (CONT'D)

Final Design is continuing, with the Pre-Final Los Angeles River Bridge and In-Progress Arroyo Seco to Del Mar Line Segment submittal issued to RCC for review. In-Progress review has been completed for the Chinatown Aerial. Overall design progress, now stands at 42% complete - an increase of 3%.

Public Affairs and the Art-For-Rail Program continued to conduct meetings with the communities of Highland Park, Chinatown, South Pasadena, and Pasadena. This strategy continues to clear a path for future coordination and cooperation with the communities that will be a part of this project.

AREAS OF CONCERN

ONGOING

Yard Site Location

A temporary maintenance facility at the Midway Yard has been formally Concern:

adopted as part of the baseline scope of work. Final Design is

proceeding to define the scope of work for the Yard & Shops.

Action:

EMC/RCC to resolve engineering issues related to the provision for an

Elysian Park bike path and operational issues in the Yard.

Status: Final design is proceeding on the Yard & Shops layout. Track layout has

been refined to accommodate MTA Operation and Maintenance issues. Agreement is required from SCRRA and Southern Pacific for moving freight cars to Capitol Milling across Metrolink tracks and LRT yard tracks. New Elysian Park bikeway concepts to be presented to LA

Department of Parks and Recreation and LADOT.

AREAS OF CONCERN (CONT'D)

Catellus/Ratkovich Interface at LAUPT

Concern: Location of the LRT terminus at Union Station involves interface with

Catellus Corporation and the Ratkovich Villanueva Partnership. The alignment, with roadway improvements proposed by Catellus, crosses Ratkovich interests at two locations along the Terminal Annex property. Width of the platform beyond the previously defined easement requires

further negotiation with Catellus.

Action: RCC and Metrolink have met with Catellus and Ratkovich and presented

alternative Pasadena and Metrolink Alignments. An alignment has been

agreed to in principle by all parties. Final Design has commenced.

Status: MTA Facilities and Procurement office is heading the negotiations on

policy issues for MTA at Union Station. RCC is providing ongoing technical support and has prepared a modified easement for presentation to Catellus in September 1993. Board action is planned for October

1993.

Real Estate

Concern: The Real Estate acquisition effort is behind schedule. Full and partial

takes still need to be certified.

Action: The Pasadena Project team has facilitated weekly Parcel Acquisition

schedule meetings between LACMTA and EMC Real Estate personnel.

Status: Re-prioritization of full-takes and Site Office/Laydown requirements to

support acceleration of certifications have been preliminarily identified in the Right-of-Way acquisition Control Matrix. Additional parcels along the Santa Fe ROW for full or partial takes have been identified. Real Estate acquisition is to be prioritized in lieu of recent budget decisions by MTA.

AREAS OF CONCERN (CONT'D)

Del Mar Station

Concern: Identification of an acceptable concept for the Del Mar Station and park-

and-ride facilities.

Action: RCC to continue discussions with the City of Pasadena and MTA bus

operations on site development and to provide direction to EMC for final

design.

Status: Regular joint development meetings continue to refine a concept for the

transportation center. Cost estimates are in progress for budget status.

Marmion Way (Avenue 50 to Avenue 60)

Concern: Identification of an acceptable cross section within the narrow right-of-

way and parallel frontage roads is required to support final design.

Action: RCC has agreed in principle with the City of Los Angeles, Fire/Life

Safety, and the CPUC on acceptable cross section through the Marmion

Way segment.

Status: Certification continues for additional full acquisitions which have been

identified for emergency vehicle access. Identification of partial property

acquisitions is in progress. RCC will proceed with the required SEIR in

September.

Sierra Madre Villa Station

Concern: Evaluation of alternative Johnson & Johnson station site is required over

the original Space Bank site due to potentially serious hazardous material

on property.

Action: The Real Estate department will complete appraisals on both station site

alternatives. _RCC_will_incorporate Johnson & Johnson site into SEIR

process.

Status: Appraisals have been requested. RCC is reviewing schedule implications

on Revenue Operations Date.

KEY ACTIVITIES - AUGUST

- Continued certification process for additional full takes and identification of partial takes required along Avenue 50-Avenue 60. Prepared scope of work for the SEIR. Addressed operational issues along corridor with CPUC and LADOT for incorporation into SEIR.
- Submitted preliminary right-of-way certification for modified LRT alignment easement through Union Station.
- Continued final design on at-grade line segments, LA River Bridge, LA River to Arroyo Seco, Arroyo Seco Bridge, Arroyo Seco to Del Mar and the 210 Freeway line segment bridge modifications.

KEY ACTIVITIES - PLANNED FOR SEPTEMBER

- Award SEIR services contract, begin SEIR process.
- Finalize close-out of EMC Contract Work Order for PE.
- Obtain MTA Board approval for EMC Final Design budget.
- Finalize special permitting process with the cities of Los Angeles and Pasadena.
- Finalize negotiations for final design with the station and landscape designers.
- Award EMC Final Design sub-contracts for the following: the line segment from Del Mar to Walnut Street, station design contracts and landscape design contracts.
- Finalize right-of-way certifications for LRT alignment easement modifications at Union Station and Terminal Annex.
- Continue Public Affairs and Art Program meetings with Community Advisory Committees representing the cities of Los Angeles, South Pasadena and Pasadena.
- Obtain RCC Board authorization to advertise contract C6410, Los Angeles River Bridge.
- Receive RCC Board approval for Construction Management firm for FY '94.

ACC Project: R05

Page 6

RAIL CONSTRUCTION CORPORATION METRO PASADENA PROJECT Project Coat by Element

Bintus Dab: 27-Aug-63

(\$ x 0000's)

		Bud	get	Commit	nenta	Incurred	i Coet	Expen	dures	Current	
	Description	Original	Current	Period	To Date	Period	To Date	Period	To Date_	Fcrecest	Variance
		(1)	(2)	(3)	(4)	(5)	(6)	n	(6)	(9)	(9~2)
τ	Construction	515, 171	480,929	0	708	0	692	0	688	481,078	148
8	Professional Services	183,206	197,415	432	42,051	432	20, 664	1,675	17,354	195,726	(1,689)
R	Real Entate	68, 100	72,308	o :	6	0	7	0	7	74, 308	2,000
. F	Utility/Agency Force Accounts	8,442	11,321	368	1,564	368	1,564	26	310	11,321	0
D	Special Programs	3,377	4,402	0	61	.0	61	5	35	9,046	4,644
С	Contingency	62,705	74,625	0	0	0	0	0	0	74,666	41
A	Project Revenue	0	o	0	0	0	0				
	Project Grand Total:	841,000	841,000	800	44, 390	800	22,988	1,708	18, 394	846,144	5,144

RAIL CONSTRUCTION CORPORATION METRO RAIL PASADENA LINE PROJECT (IN THOUSANDS OF DOLLARS)

15-Sep-93

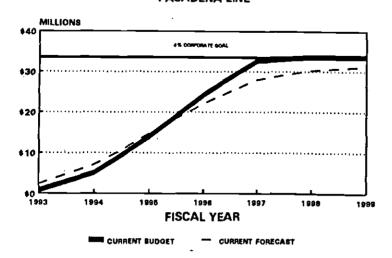
AUGUST 93

STATUS OF FUNDS BY SOURCE

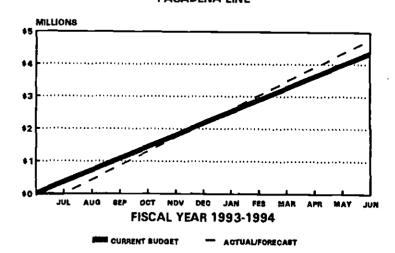
	TOTAL FUNDS	TOTAL FUNDS	СОММІТМІ	ENTS	EXPENDIT	URES	BILLED TO SOURCE		
SOURCE	ANTICIPATED	AVAILABLE	\$	%	\$	%	\$	%	
PROP C	\$846,144	\$56,841	\$44,390	5%	\$18,396	2%	\$18,396	29	
TOTAL	\$846,144	\$56,841	\$44,390	 5%	\$18,396	 2%	\$18,396	29	

NOTES: EXPENDITURES ARE THROUGH JULY 1993.

AGENCY COSTS PASADENA LINE



FISCAL YEAR 1994 AGENCY COSTS PASADENA LINE

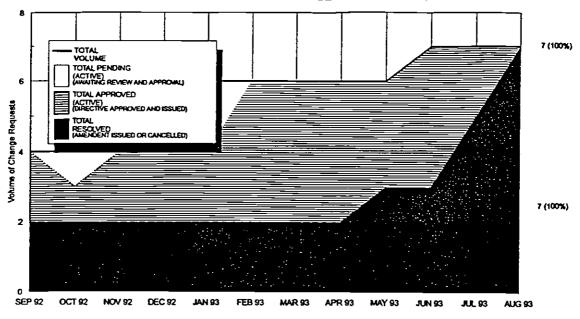


PROJECT AGENCY COSTS PASADENA LINE (\$000)

FISCAL YEAR 1994 AGENCY COSTS PASADENA LINE (\$000)

TOTAL PROJECT BUDGET	\$ 841,000	CURRENT BUDGET	\$ 4,347
CURRENT BUDGET	\$ 33,640	CURRENT FORECAST	• 4,772
CURRENT FORECAST	\$ 31,354	ACTUAL TO DATE	+ 3

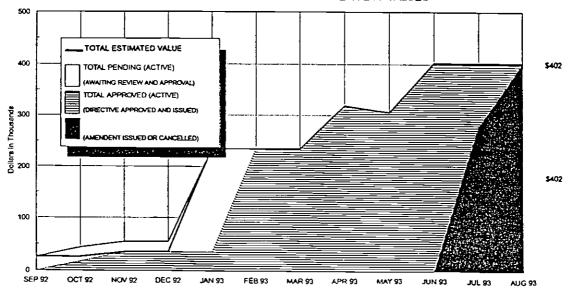




REQUESTED CHANGES SINCE 05/01/91 ONLY

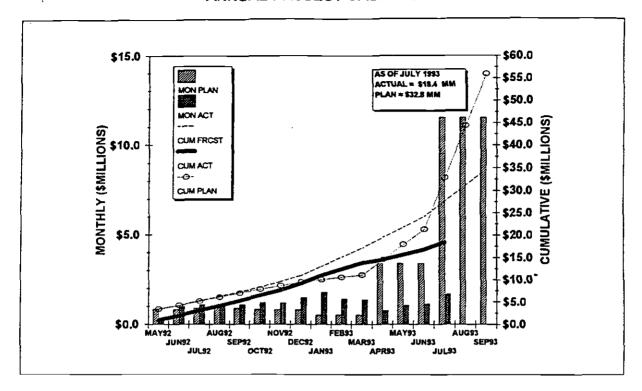
	AGE OF UNRESOLVED CONSULTANT CHANGES									
ТІМЕ	0-30 DAYS	30-60 DAYS	61-90 DAYS	OVER 90	TOTAL ACTIVE					
VOLUME	0	0	0	0	0					
PERCENT	0%	0%	0%	0%	0%					

CONSULTANT CONTRACT CHANGE SUMMARY
PASADENA LINE CONSULTANT CHANGE REQUEST VALUES

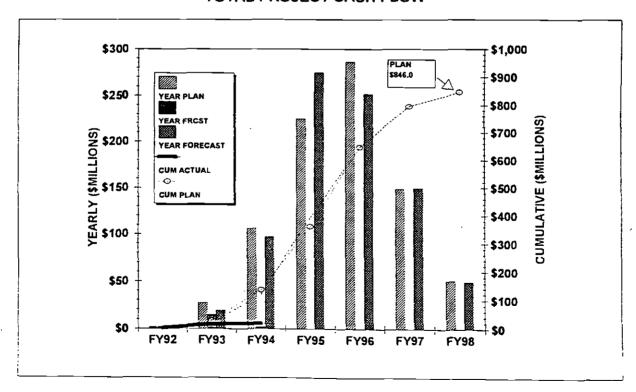


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ANNUAL PROJECT CASHFLOW

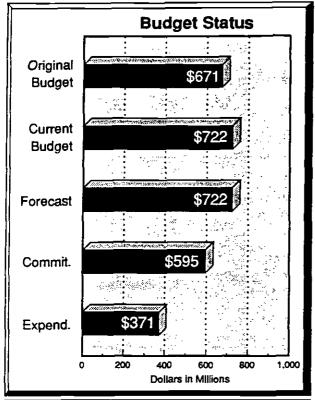


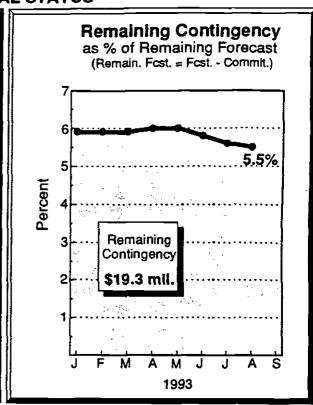
TOTAL PROJECT CASH FLOW

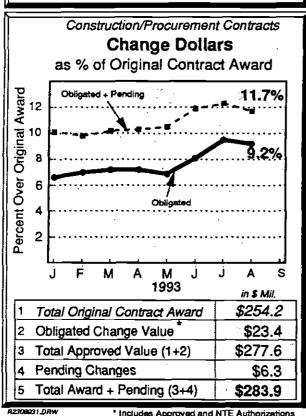


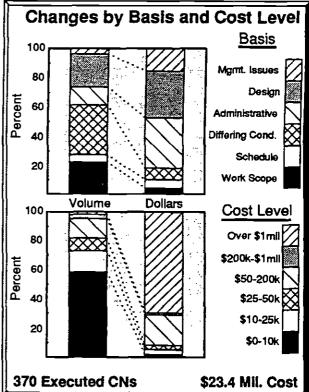
Page 10

METRO GREEN LINE FINANCIAL STATUS









Includes Approved and NTE Authorizations

METRO GREEN LINE SCHEDULE AND SAFETY STATUS

MTA Critical Activities October 1993

AWARD APPROVAL

No contract awards this month.

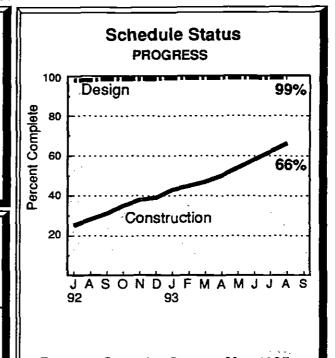
Employment Status

Months of Employment Provided

10,759

RZ308932.0RW

Based on an average 29 job-months provided per million expended

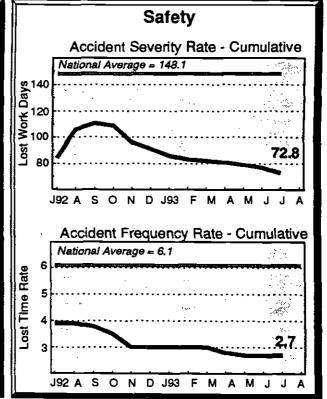


Revenue Operation Date:

May 1995

(Approved)

Schedule Status **CRITICAL PATH - 1 Year Outlook** On Schedule (0 days of float) CO610 Installation El Segundo Trackwork H1200 Systems Traction Power Supply H0832 Systems Cable Transmission H0900 Systems Safety, Security & Communic. H1100 Systems **Automatic Train Control** Systems Integrated Test Norwalk-Marine ABS Dec Jul Jun 93 94



EXECUTIVE SUMMARY

COST STATUS (in millions)

• Current Budget \$722.4

• Current Forecast \$722.4

SCHEDULE STATUS

Current Approved Revenue Operations Date
 May, 1995

• Design Progress - Actual 99%

• Construction Progress - Actual 66%

REAL ESTATE STATUS

			PARCELS NOT		OT AVAILABLE SCHEDULE)
MONTH	NUMBER OF PARCELS	PARCELS AVAILABLE	AVAILABLE (ON SCHEDULE)	NUMBER	AVG DAYS BEHIND
THIS MONTH	39	39	0	0	0
LAST MONTH	39	39	0	0	0

AREAS OF CONCERN

ONGOING

Cattrans Station Phase II Contracts Schedule Impacts to Contract H0900 (Safety and Security Communication System) Access Dates

Nine Phase II Caltrans stations contracts will impact Contract H0900 Concern:

completion if turnover dates are not maintained.

Action: Workaround scenarios to expedite turnovers to the Contract H0900

contractor are being developed. Progress is being closely monitored for all

Caltrans Phase II station construction.

Meetings are being held with the contractors to review progress and Status:

to determine workarounds as needed.

Caltrans Projects Schedule Impacts to Contract H1400 (Overhead Contact System) Access Dates

The delayed access along the Century Freeway has caused work Concern:

inefficiencies for the contractor.

Action: The contractor submitted a resequenced schedule.

Status: Change Notice 15.01 has been issued to the contractor with revised

access and milestone dates.

Caltrans Project CT033 (Wilton to Vermont)/Contract C0600 (Century Trackwork Installation) Access Date Conflict

Concern: Site access for Century trackwork installation, originally scheduled

> November 1, 1992, has been withheld until the contract milestone is satisfied and construction is completed. Complete access is forecast for September 1, 1993. Several systems contracts may also be affected.

Action: Caltrans is working aggressively with its contractor, Ball, Ball & Brosamer,

to overcome problems associated with soil exportation.

Status: The contractor accepted the partial access plan and the western portion of

> the project was turned over on August 16, 1993. The remainder of the western portion is scheduled for turnover the first week of September, 1993.

Contract C0501 (Systems Facilities Sites) Schedule Delays

Concern: Inability of the contractor to meet schedule dates and unavailability of

Cattrans sites are impacting Contract H1100 (Automatic Train Control)

interface dates.

Action: The punchlist for beneficial occupancy on 14 TCCBs/DWPs has been

developed. All sites are available to the contractor and he is currently

completing the remaining TCCB/DWP buildings.

Status: The contractor is working on punchlist items and installing sitework such as

driveways, landscaping and irrigation. Final contract completion schedule is slipping and conclusion of beneficial occupancy punchlist has not been achieved within the 30-day requirement after turnover to Contract H1100

(Automatic Train Control) for each site.

Caltrans Project CT043-2 (I-105 to Studebaker)/Contract C0600 (Century Trackwork Installation) Access Dates

Concern: A later than anticipated LRT access date to this segment may have

significant cost impact to some follow-on systems contracts.

Action: Workaround scenarios to expedite turnover to the Contract C0600

contractor have been developed. The monitoring of the contractor's construction schedule has been increased to better assess delays and time

extensions.

Status: Potential schedule impacts to the Metro Green Line opening have been

mitigated by resequencing the follow-on activities. However, potential cost impacts due to the projected turnover of this segment for December 15,

1993 are still being addressed.

KEY ACTIVITIES - AUGUST 1993

Issued NTP for Contract H1310 (Signage and Graphics) on August 16, 1993.

KEY ACTIVITIES - PLANNED FOR SEPTEMBER 1993

No key activities are planned this period.

METRO GREEN LINE

RAIL CONSTRUCTION CORPORATION PROJECT COST REPORT COST BY ELEMENT

Project: R23 METRO GREEN LINE

Period: Jul 30, 1993 to Aug 27, 1993

Run Date: Sep 1, 1993

Units: \$ in Thousands (Truncated)

	ORIGINAL	I CIRREN	BUDGET	COMMIT	wtu1e	INCU	0050	EVDEN	ITURES	CIRRENT	FORECAST	FORECAST VARIANCE	
	BUDGET			90,111		,,,		EATER	,,,okt	DONNERI	TONECHOT	VARIANCE	
ELEMENT / DESCRIPTION		Period	To Date	Period	To Date	Period	To Date	Period	To Dete	Period	To Date		
T CONSTRUCTION	470,191		492,391	3,330	407,303	12,130	243,742	20	214,283	-4,877	483,699	-8,491	
S Professional Services	108,562		180,477	-	150,547	-	125,902		125,902		184,341	3,864	
REAL ESTATE	36,927	0	28,522	149	23,994	658	23,985	658	23,985	0	26,047	-2,475	
UTILITY/AGENCY FORCE ACCOUNTS	7,656	0	10,500	5	10,422	0	6,816	0	6,816			0	
SPECIAL PROGRAMS	4,675	0	4,790	0	4,222	2	333	2	333	0	4,844	54	
PROJECT RESERVE	59,613	0	12,238	0	0	0	0	Ó	0		19,287	7,048	
PROJECT REVENUE	-16,626	0	-6,518	0	-1,264	0	-605	0	-605	0	-6,518	0	
				55 55 55 55					,				
j		-			į				÷				
AND TOTAL - R23 METRO GREEN LINE	671,000	0	722,402	3,489	595,226	12,801	400,175	690	370,717	-3,097	722,402	0	

age_4

RAIL CONSTRUCTION COPPORATION METRO RAIL GREEN LINE PROJECT (IN THOUSANDS OF DOLLARS)

09-Sep-93

AUGUST 93

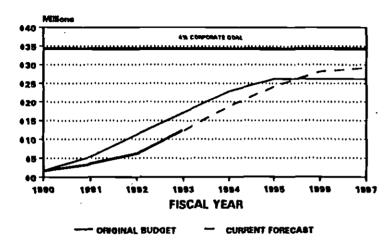
O

STATUS OF FUNDS BY SOURCE

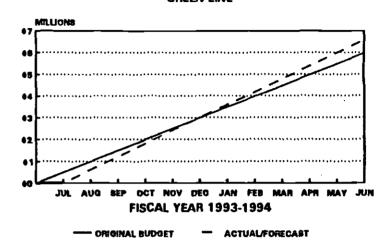
	TOTAL FUNDS	TOTAL FUNDS	COMMITMENTS		EXPENDITURES		BILLED TO SOURCE	
SOURCE .	ANTICIPATED	AVAILABLE 	\$	% 	\$	% 	\$	%
PROP A	\$205,136	\$205,136	\$205,136	100%	\$205,136	100%	\$205,136	100
PROP C	\$92,368	\$165,582	\$165,582	179%	\$165,582	179% (1)	\$165,582	179
PROP C (HIGHWAY 25%)	\$158,000	\$ 0	\$158,000	100%	\$0	0%	\$0	0
TDM RESERVE REALLOCATION (PROP C 25%)	\$100,000	\$ 0	\$66,508	67%	\$0	0%	\$0	0
TOS PROGRAM REALLOCATION (PROP C 25%)	\$50,000	\$0	\$0	0%	\$0	0%	\$0	0
STATE PROP 108	\$106,000	\$0	\$0	0%	\$0	0%	\$0	(
ISTEAPROP C (IMPERIAL HWY GRADE SEPARATION)	\$4,500	\$1	\$0	0%	\$0	0%	\$0	0
PROP C (ADA)	\$6,400	\$0	\$0	0%	\$0	0%	\$0	0
TOTAL.	\$722,402	\$370,719	\$595,226	82%	\$370,716	51%	\$370,716	 51

NOTE: (1) PROP C HIGHWAY 25% WHEN AVAILABLE WILL REIMBURSE PROP C 40% ADVANCE ALLOCATIONS. EXPENDITURES ARE CUMULATIVE THROUGH JULY 1993.

AGENCY COST GREEN LINE



FISCAL 1994 AGENCY COSTS GREEN LINE



PROJECT AGENCY COSTS GREEN LINE (*000)

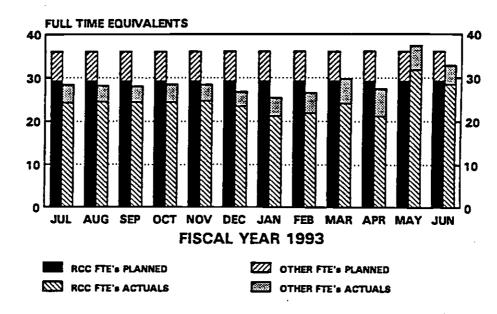
TOTAL PROJECT BUDGET	\$722,400
ORIGINAL BUDGET	\$ 26,189
BUOGET % OF TOTAL PROJECT	3.6%
CURRENT FORECAST	\$ 29,234
FORECAST % OF TOTAL PROJECT	4,1%
4% CORPORATE GOAL	\$ 28,896

Page

FISCAL YEAR 1994 AGENCY COSTS GREEN LINE (#000)

\$5,965
46,577
† 16

STAFFING PLAN VS. ACTUAL GREEN LINE

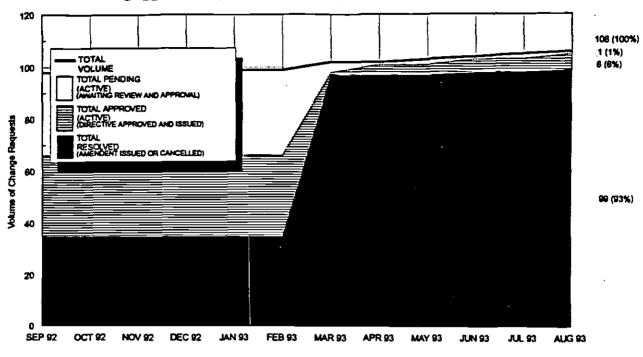


FY'93 BUDGET

GREEN LINE STAFFING PLAN FISCAL YEAR 1993

RCC FTE's PLANNED	29
RCC FTE's ACTUAL	29
OTHER FTE's PLANNED	7
OTHER FTE's ACTUAL	4
TOTAL FTE's PLANNED	36
TOTAL FTE's ACTUAL	33

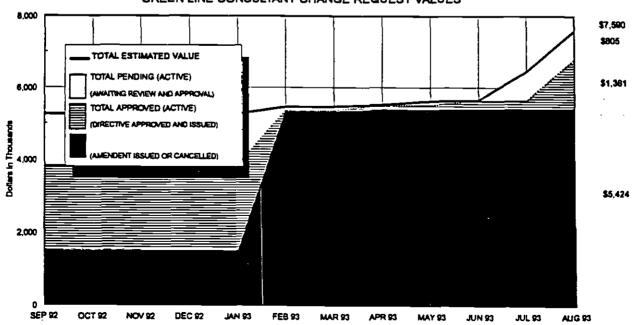




REQUESTED CHANGES SINCE 05/01/91 ONLY

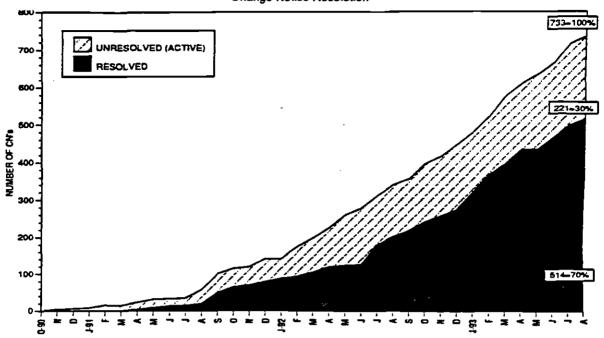
AGE OF UNRESOLVED CONSULTANT CHANGES								
TIME 0-30 DAYS 30-60 DAYS 61-90 DAYS OVER 90 TOTAL ACTIVE								
VOLUME	2	0	1	4	7			
PERCENT	28%	0%	14%	58%	100%			

CONSULTANT CONTRACT CHANGE SUMMARY
GREEN LINE CONSULTANT CHANGE REQUEST VALUES



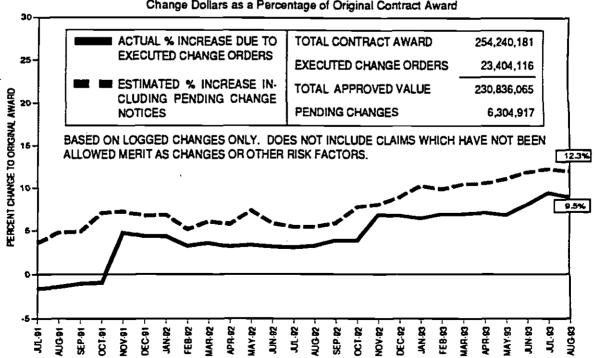
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CONSTRUCTION/PROCUREMENT CONTRACT CHANGES Change Notice Resolution



AGE OF UNRESOLVED CHANGES							
TIME 0-30 days 31-60 61-90 90+ ACTIVE							
VOLUME	60	28	25	108	221		
PERCENT	27%	12%	11%	49%	99%		

CONSTRUCTION/PROCUREMENT CONTRACT CHANGES Change Dollars as a Percentage of Original Contract Award

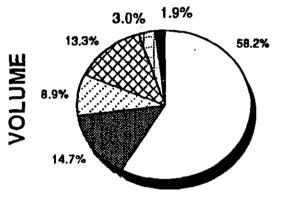


CONSTRUCTION/PROCUREMENT CHANGE VOLUME BY COST LEVEL AND BASIS

Executed Changes as of 8/27/93

COST LEVEL

Total: \$23,404,166



DOLLARS



3.34%

2.91%

20.35%

-1.50%

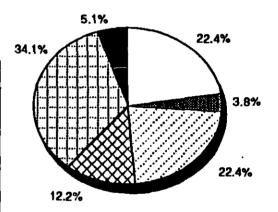
72.82%

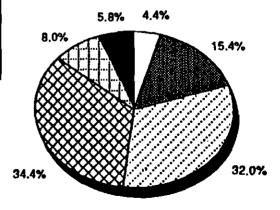
LEGEND

Cost Range		Basis
\$ 0-10K		WORK SCOPE CHANGES
10-25K		SCHEDULE CHANGES
25-50K		DIFFERING CONDITIONS
50-200K	₩	ADMIN. CHANGES
200K-1 MIL		DESIGN CHANGES
ABOVE 1 MIL		MANAGEMENT ISSUES

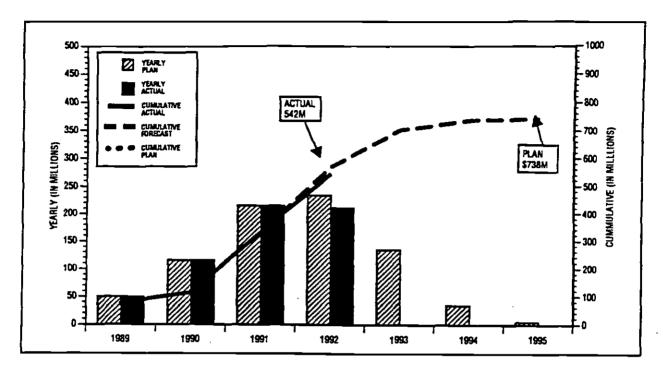
BASIS

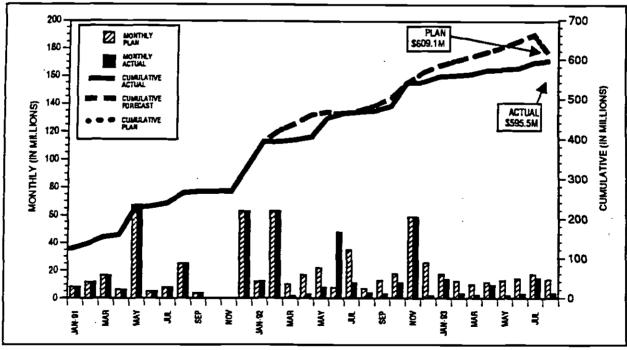
Total: 370





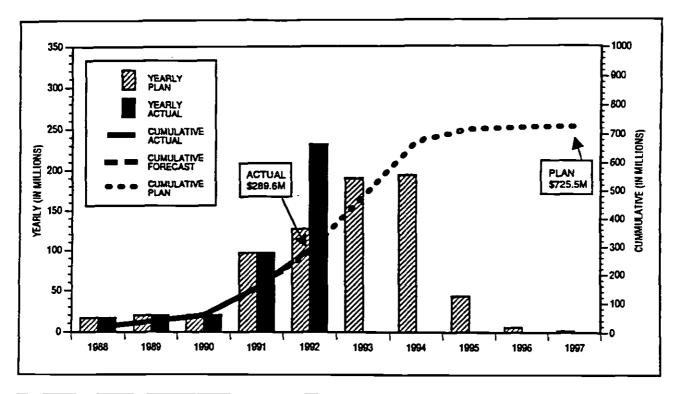
PROJECT COMMITMENTS

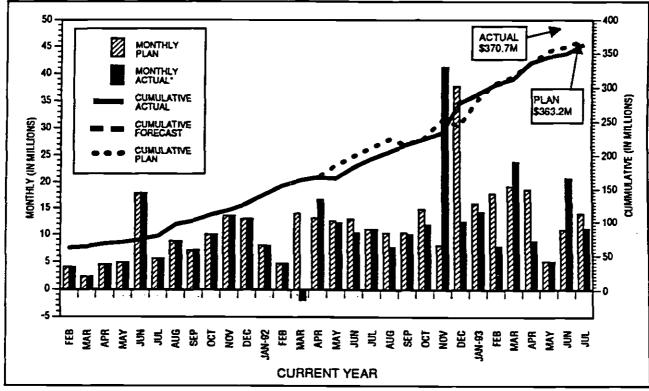




CURRENT YEAR

PROJECT CASH FLOW





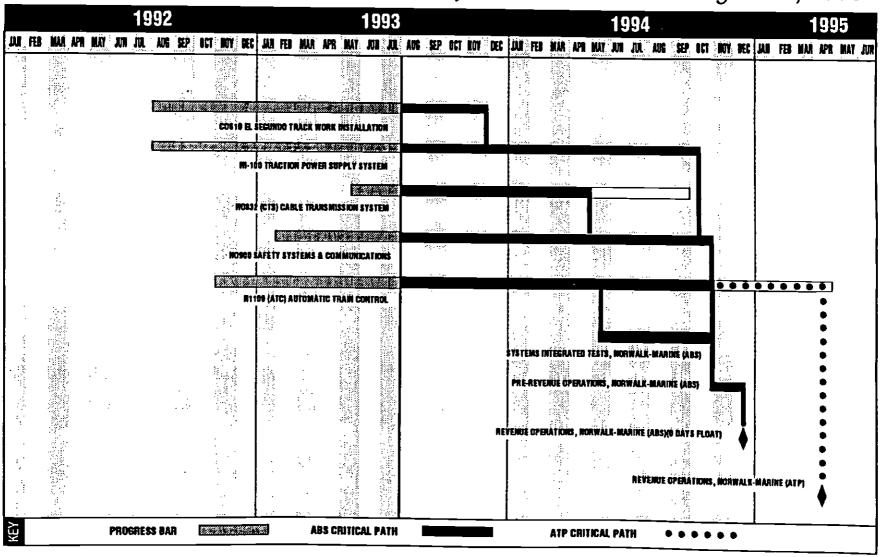
* ACTUAL EXPENDITURES ARE THROUGH PREVIOUS MONTH END.



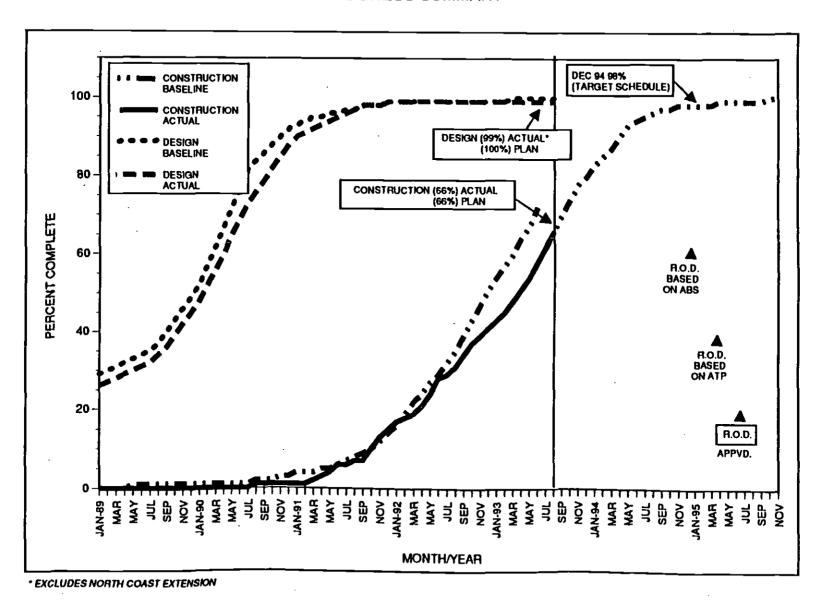
METRO GREEN LINE

Norwalk-El Segundo Rail Transit Project

Critical Path Summary Data Date: August 28, 1993



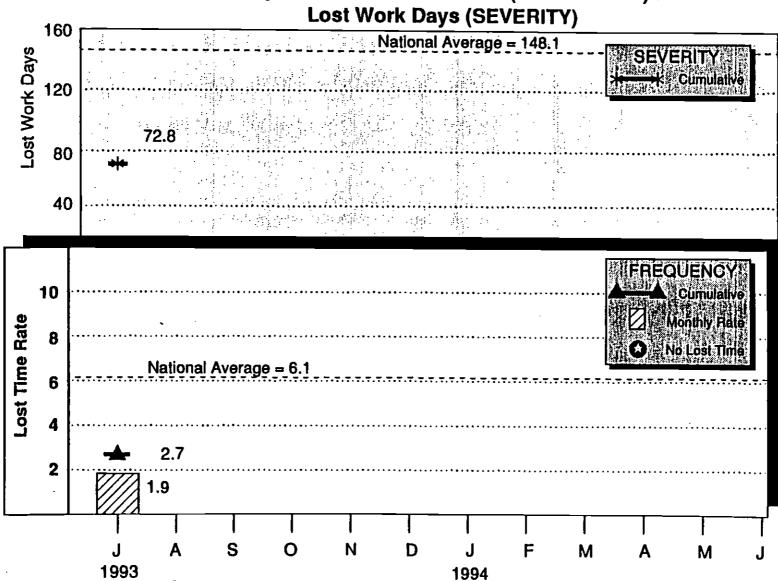
PROGRESS SUMMARY



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METRO GREEN LINE

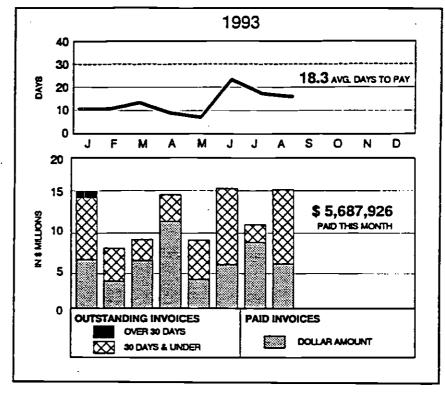




INVOICE PROCESSING

- The average time taken to pay invoices for Construction and Procurement contracts (including Insurance) was 18.3 days.
- 11 invoices were paid for a total value of \$ 5,687,926.
- There were 11 outstanding Construction or Procurement invoices under 30 days old for \$ 9,658,386.
- There were no outstanding Construction or Procurement invoices over 30 days old.

Construction/Procurement Invoice Status



Note: The average days to pay is the time from when the Resident Engineer approves a progress payment (invoice) to when Accounting issues a check for this invoice.

OUTSTANDING INVOICES

	Construction/Procurement Invoices						Other Invoices				
	30 Days	and Under	Over 30	Days		30 Days	and Under	Over 30 Days			
	Number of	Dollar	Number of	Dollar		Number of	Dollar	Number of	Dollar		
Month	Invoices	Value	Invoices	Value		Invoices	Value_	Invoices	Value		
APR 1993	7	3,450,254	. 0		0	22	2,482,619	3	34,358		
MAY 1993	8	5,068,890	0		0	26	5,097,205	5	47,916		
JUN 1993	14	9,833,458	0		0	31	6,104,977	9	97,388		
JUL 1993	5	2,331,274	0		0	26	2,799,970	8	88,540		
AUG 1993	11	9,658,386	0		0	27	1,907,917	2	15,879		
			· !					!			

EXECUTIVE SUMMARY

COST STATUS

The current forecast remains at \$1,450 million.

CONTRACT CLOSEOUT

Continue closeout of the following construction contracts:

LEGEND				
0	Open. Action still required.			
A TOP STATE OF THE	Completed or Not Applicable			

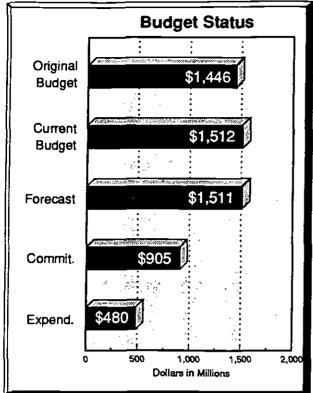
CONTRACT CLOSE OUT STATUS METRO RED LINE SEGMENT 1

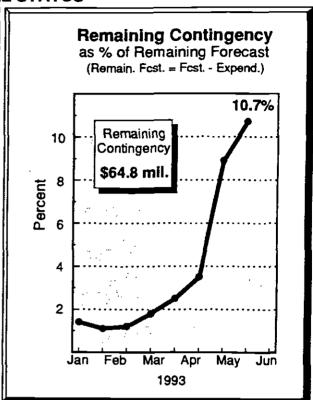
			CLOS	E OUT STA	ATUS			
		CLAIMS/	FINAL		FINAL.	EQUIP.		PROJECTEL
CONTRACT	Í	CHANGE		FINAL	ACCEPT.	FINAL	ľ	CLOSE-OUT
NUMBER	DESCRIPTION	ORDERS	PAYMENT	RELEASE	CERTIF.	DELIV.	COMMENTS	DATE
A130	Yard Lead Transfer Zone	0	0	0	0		Contract closed - pending final release.	Sept 93
A141	U/S - 5th & Hill Tunnels	4000 1000	Karagaran				Contract closed.	
A190	Misc. Const/Ancillary Serv.	0	0	0	0		Finalizing closeout package.	Oct 93
A610/115	Track Installation	0	0	0	0_	0	Final closeout pending claims litigation.	TBO
A612	Contact Rail	10 Sept #	\$ 7.0 Mr 1850	0	2000		Contract closed - pending final release.	
A615	C.R. Coverboard	THE STATE OF	4-10-5	\$100 SEC. 100			Contract closed.	
A620	Automatic Train Control	0	0	0			Outstanding claims.	Aug 93
A630	Traction Power Equipment		0	0		東京 1000年 1000年	Contract closed - pending final release.	
A631	TPE Install	100 TO 10	M	0		A STATE	Contract closed - pending final release.	
	Communications	0	0	0	0	0	Active contract.	Jan 94
A650	Passenger Vehicles	0	0	0	0		Active contract.	TBD
A710	Escalators & Elevators		0	0			Contract closed - pending final release.	
A740	Ventitation Equipment		K C C C C C C C C C C				Contract closed. Contract closed.	
A760B	Edge Lights						Contract closed.	

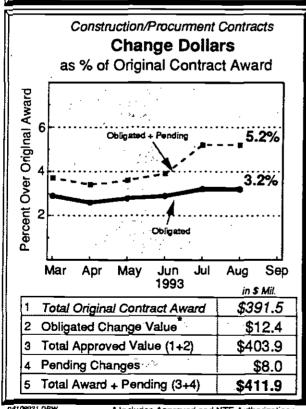
REMAINING ACTIVITIES

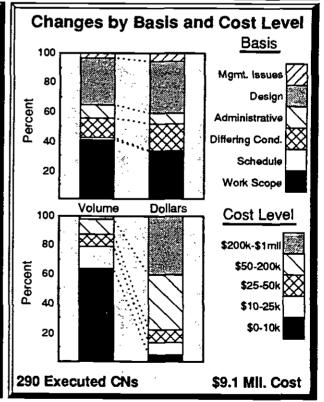
- Continue support and test of Breda vehicles.
- Continue supporting Grant closeout activities.
- Negotiate closeout of professional services contracts.
- Continue closeout of third party work orders.

METRO RED LINE SEGMENT 2 FINANCIAL STATUS









R\$108931.DRW

Includes Approved and NTE Authorizations

i

METRO RED LINE SEGMENT 2 SCHEDULE AND SAFETY STATUS



✓ AWARD APPROVAL

No contract awards this month.

Employment Status

Months of Employment Provided

13,932

Based on an average 29 job-months provided per million expended

16 days behind (negative float)

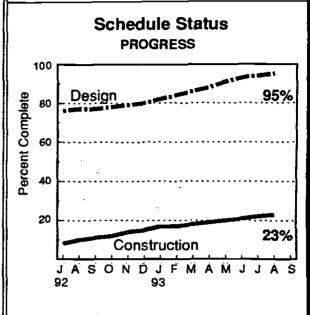
Dec

Jun

94

Jul

93



Revenue Operation Date:

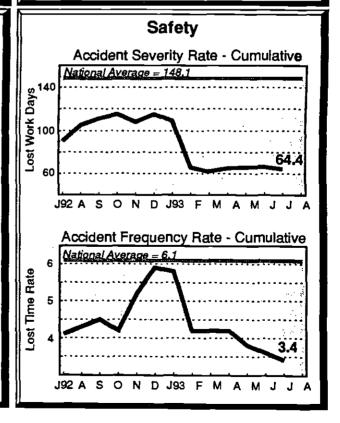
Wilshire Corridor

July 1996

Vermont/Hollywood Corridor

Sept 1998

Schedule Status CRITICAL PATH - 1 Year Outlook Wilshire 19 days ahead (positive float) B211 Construction Wilshire/Vermont Station (Stage I) B215 Design/Contract Wilshire/Vermont Sta. (Stage II) B215 Construction Jul Dec Jun 93 94



R8108932 DRW

Vermont/Hollywood

B251 Construction Vermont/Hollywood Tunnel

EXECUTIVE SUMMARY

COST STATUS

in \$ million

Current Budget

\$1511.7

Current Forecast

\$1511.5

(including new requirements)

• The current forecast is less than the current budget by \$200 thousand to reflect a \$3.3 million dollar reduction in the Transit Enhancements forecast for several unawarded contracts.

SCHEDULE STATUS

Current Revenue Operation Dates

	Wilshire Corridor	July	1996
	Vermont/Hollywood Corridor	September	1998
)	Design Progress		95%
ı	Construction Progress		23%

REAL ESTATE

į	NUMBER OF PARCELS	NUMBER OF PARCELS AVAILABLE	PARCELS NOT AVAILABLE (ON SCHEDULE)		T AVAILABLE SCHEDULE)	
				NUMBER	AVG. DAYS BEHIND	
THIS MONTH	86	71	8	7	104	
LAST MONTH	86	68	9	9	72	

EXECUTIVE SUMMARY (CON'T)

• There are now 86 parcels of land required for the Segment 2 Project. The acquisition breakdown for this land is as follows: '31 full takes, 44 subsurface easements, 3 temporary construction easements and 2 part-takes. Six additional parcels have been added for temporary right-of-entry.

To date, there have been 71 parcels acquired. Forty-two of these parcels were acquired through condemnation and the remaining were negotiated acquisitions.

PUBLIC AFFAIRS

On the Wilshire Corridor, the community surrounding Contract B221, Wilshire/Normandie Station and Line, was apprised of the impending 10 month closure of Ardmore Avenue during side structure activities. A proposal regarding trucking issues at Contract B251, Vermont/Hollywood Tunnel was presented to the Los Angeles Unified School District. Staff also met with the Hollywood Chamber of Commerce and Trust to discuss display options during the temporary removal and storage of the Hollywood Walk of Fame stars during construction activities on Vine Street.

AREAS OF CONCERN

ONGOING

Contract B251, Vermont/Hollywood Tunnels - Dewatering Operations

Concern:

A halt in tunneling operations in the HAR tunnel was called on July 8, 1993, due to encountering excessive ground water. The HAL tunnel, which had not begun at the time, has since been driven to within 100 feet of the HAR tunnel. Both tunnels remain inactive until the groundwater elevation can be lowered.

Action:

A total of 39 wells are currently installed to alleviate the problem: 29 wells are pumping and 10 wells are being developed.

^{*} Two of the full take parcels are not required for construction.

AREAS OF CONCERN (CON'T)

Status:

The dewatering process is proceeding and the current pumping rate is

900 gallons per minute.

Delay in Real Estate Acquisitions

Concern:

There are 7 parcels currently being projected in the worst case

scenario as not being available by the scheduled "need dates."

Of the 7 parcels showing a negative float, 4 are in negotiations and

the remaining were in the appraisal process.

There remains a good probability that all parcels will be available

before they are needed for construction to proceed.

Action:

Maintaining schedule to avoid negative float.

Status:

It remains a high probability that all parcels will be acquired by the

need dates.

Contract B251, Vermont/Hollywood Tunnels - Sixth and Vermont Channel

Concern:

Initial drilling for geotechnical instrumentation indicated a channel filled with trash and rubble. There are indications of hydrocarbon

contamination and wet, unstable soil conditions at the tunnel level.

Action:

Technical Services devised a plan for drilling test holes to investigate

the condition.

Status:

Specialty driller has drilled test holes and a report on the findings is

being prepared.

AREAS OF CONCERN (CON'T)

RESOLVED

Contract B251, Vermont/Hollywood Tunnels - Real Estate

Concern:

Difficulties continue in securing a rental real estate parcel from PacBell at 1255 North Vermont Avenue. The installation of the contaminated water treatment plant (to treat the dewatering well discharge) and delays in obtaining city required permits may prevent complete dewatering in advance of tunnel excavation.

The MTA's Environmental Department obtained the required rental agreements and installed the water treatment plant.

Status:

Action:

A dewatering system is currently in operation.

Contract B251, Vermont/Hollywood Tunnels - Tunnel Shield Machine Damage

Concern:

The Vermont AR tunnel shield machine became damaged during initial mining operations (245 ft), effectively halting tunnel operations.

Action:

The Contractor and the shield designer investigated the cause of the out-of-round deformity and determined a repair procedure in order to determine a solution and repair procedure.

Status:

The repair of the tunnel machine was completed on August 16, 1993.

FTA PROJECT MANAGEMENT OVERSIGHT CONSULTANT ITEMS FOR RCC ACTION

The following items reflect action requirements identified in the July Monthly Project Report submitted to FTA by their Project Management Oversight Consultant, Hill International.

ONGOING

March 1993, Financial Management Information System

Concern: The MTA should focus on the integration of the accounting

systems and integration with the RCC's cost management system.

Action: The plans for the FIS integration are being reviewed and specific

actions are being defined at this time.

Status: A team assigned to this project has been meeting and plans to

issue a request for bids before the end of October.

<u>NEW</u> NONE

RESOLVED NONE

KEY ACTIVITIES - AUGUST

Design

- Issued the prefinal design submittals for Contract B642, Public Address Procurement.
- Issued the final design submittals for Contract B261, Vermont/Sunset Station; Contract B643, Close Circuit Television Procurement; and Contract B644, Cable Transmission Equipment Procurement.
- Issued camera ready submittals for Contract B215, Wilshire/Vermont Station, Stage II; Contract B271, Hollywood/Western Station; and Contract B610, Trackwork Installation.

Construction

- Contract B201, Wilshire/Alvarado to Wilshire/Vermont Line, completed placement of the pump house. Continued placement of embankment fill and reinforced concrete service road in the lake bottom.
- Contract B211, Wilshire/Vermont Station Stage I, placed upper track level concrete through slab #8, and completed lower track level interior walls.
- Contract B213, Wilshire/Vermont Station Stage II Site Demolition, concluded demolition procedures.
- Contract B221, Wilshire/Normandie Station and Line, completed the BL tunnel walkway and proceeded with the BR tunnel walkway. The placement of the north and south mezzanine walls progressed.
- Contract B231, Wilshire/Western station and Crossover, continued station appendages work, concreting activities in the station entrance and structural backfill.
- Contract B251, Vermont/Hollywood Tunnels, began underpinning pile installation, production of precast segments is 61% complete and tunnel operations continued along the Vermont Corridor. The Hollywood Corridor tunnels remain on hold while dewatering continues.
- Contract B630, Traction Power Substation Equipment, several submittals were approved.

- Contract B740, Ventilation Equipment, efforts focused on resubmitting several drawings or data; purchase orders were placed, and the initial quality control audit of the subcontractors' shop was completed.
- Contract B745, Air Handlers & TPSS Fans, progressed with the approval of various submittals and air handling unit components (fans, acuators motors) are being procured.

KEY ACTIVITIES - PLANNED FOR SEPTEMBER

Design

- Issue in-progress design submittal to Contract B216, Wilshire/Vermont Site Restoration.
- Issue re-configured final design submittal for Contract B641, Radio.
- Issue final design submittals for Contract B642, Public Address Procurement; Contract B647, Gas Monitoring Equipment; Contract B648A, Communications Installation for Wilshire Corridor.
- Issue camera ready submittals for Contract B261, Vermont/Sunset Station;
 Contract B643, Close Circuit Television Procurement, and Contract B644,
 Cable Transmission Equipment Procurement.

Construction

- Contract B201, Wilshire/Alvarado to Wilshire/Vermont Line, continue to place asphalt lake lining, excavate and placement activities at the emergency exit, and continue with the restoration of the lake bottom.
- Contract B211, Wilshire/Vermont Station Stage I, continue to work on shoring and rebar in preparation for the placement of the ancillary slabs.
- Contract B221, Wilshire/Normandie Station and Line, continue roof slabs and interior walls of the station and shafts. Conclude the service walkways in the tunnels and the installation of the support system in the turnout structure.
- Contract B231, Wilshire/Western station and Crossover, continue side structure support and excavation, electrical and finishing work in the Station.
- Contract B251, Vermont/Hollywood Tunnel, continue with the VAR and VAL tunnel excavation. Continue the excavation of crosspassage #18.
- Contract B630, Traction Power Substation Equipment, continue with the review of switchgear data sheets.
- Contract B740, Ventilation Equipment, proceed with the fabrication of the sound attenuators and ventilation equipment for Contract B231.
- Contract B745, Air Handlers & TPSS Fans, conclude the final assembly of the air handling components by Governair.

RAIL CONSTRUCTION CORPORATION METRO RAIL PROJECT SEGMENT 2 (IN THOUSAND OF DOLLARS)

STATUS OF FUNDS BY SOURCE

	TOTAL FUNDS	TOTAL FUNDS	* COMMITMENTS		EXPENDITURES (4)		BILLED TO SOURCE	
SOURCE	ANTICIPATED	AVAILABLE	\$	%	\$	%	\$	*
FTA-SECTION 3	\$667,000	\$597,653	\$374,102	56%	\$190,140	29%	\$186,408	289
FTA-SECTION 3 DEFERRED LOCAL SH	ARE (1)		\$44,546		\$33,852		\$32,608	
STATE	\$185,985	\$133,000	\$133,000	72%	\$133,000	72%	\$133,000	729
MTA	\$439,447	\$76,377	\$268,851	61%	\$83,922	15%	\$65,167	159
CITY OF LA	\$96,000	\$49,600	\$59,016	61%	\$35,432	37%	\$31,458	339
BENEFIT ASSESS.	\$58,000	\$0	\$21,397	37%	\$21,397	37%	\$0	09
COST OVERRUN ACCOUNT (2)	\$0	\$19,635	,\$0	0%	\$0	0%	\$0	09
BENEFIT ASSESS, SHORTFALL (3)	\$0_	\$0	\$0	0%	\$0	0%	\$21,397	
TOTAL	\$1,446,432	\$ 876,265	\$900,912	62%	\$477,743	33%	\$470,036	329
PROP C: AMERICAN DISABILITY ACT	\$5,109	\$0	\$351	7%	\$167	3%	\$167	39
PROP A: TRANSIT ENHANCEMENTS	\$59,920	\$0	\$4,129	7%	\$2,508	4%	\$2,506	49
GRAND TOTAL	\$1,511,461	\$876,265	\$905,392	60%	\$490,418	32%	\$472,709	319

FTA Section 3 Deferred Local Share. Commitments and expenditures are effective starting July 1st. 1992.
 The Cost Overrun Account Includes CAPRA funds only.
 The current Benefit Assessment District revenue shortfall is being funded by MTA.
 Expenditures are cumulative through July 1993.

UST 1993

RAIL CONSTRUCTION CORPORATION PROJECT COST REPORT COST BY ELEMENT

Project : METRO RED LINE SEGMENT 2

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Status Period: 30-July-93 to 27-August-93

Slalus Date : 27-August-93

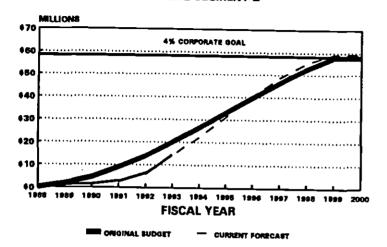
Units : Dollars in Thousands

	ORIGIN BUDG				COMMITMENTS		INCURRED COSTS		EXPENDITURES (1)		CURRENT FORECAST		FORECAST VARIANCE
ELEN	MENT / DESCRIPTION	L	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
T	Construction	893,000	0	948,352	21,453	495,329	6,102	257,072	3,632	243,375	(8,585)	915,489	(32,863
s	Professional Services	289,150	0	354,803	(1,491)	323,284	1,620	165,371	1,378	161,829	348	341,538	(13,265
R	Real Estate	79,827	0	83,568	(3,733)	68,441	186	66,849	186	66,849	0	89,751	6,18:
F	Utility/Agency Force Accounts	36,668	0	18,775	(76)	12,890	567	5,567	567	5,567	o	28,272	9,49
D	Special Programs	2,044	0	4,402	110	968	7	305	7	305	(800)	6,923	2,52
С	Contingency	145,743	0	36,532	0	0	0	0	0	0	9,037	64,759	28,22
Δ,	Project Revenue	0	0	0	0	0	0	(182)	0	(182)		(300)	(30
PRO.	JECT TOTAL	1,446,432	0	1,446,432	16,263	900,912	8,482	494,982	5,770	477,743	0	1,446,432	
					<u> </u>			-	- 	•	<u> </u>		-
4EM	REQUIREMENTS	-											
Г	Construction	0	0	55,024	0	15	0	0	0	0	(5,309)	54,705	(31
3	Professional Services	0	0	8,226	0	4,465	0	4,025	241	2,670	0	8,226	
	Real Estate	0	0	0	0	0	0	0	0	0	0	0	
•													

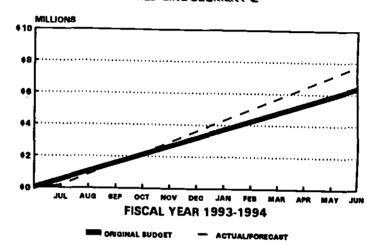
0 Special Programs 0 98 2,000 Ð 0 2,000 2,000 Conlingency Ð 0 0 Project Revenue NEW REQUIREMENTS TOTAL 65,250 241 65,029 0 4,028 2,673 (221)4,480 (3,309)Ð 0 1,511,682 SEGMENT 2 PROJECT TOTAL 1,446,432 16,263 905,392 8,482 499,010 6,011 480,416 (3,309) 1,511,461 (221)

(1) EXPENDITURES ARE FOR THE PERIOD OF 25-JUN-93 TO 30-JUL-93 NOTE: REFER TO APPENDIX FOR REPORT DEFINITIONS.

AGENCY COSTS RED LINE SEGMENT 2



FISCAL YEAR 1994 AGENCY COSTS RED LINE SEGMENT 2



PROJECT AGENCY COSTS RED LINE SEGMENT 2 (\$000)

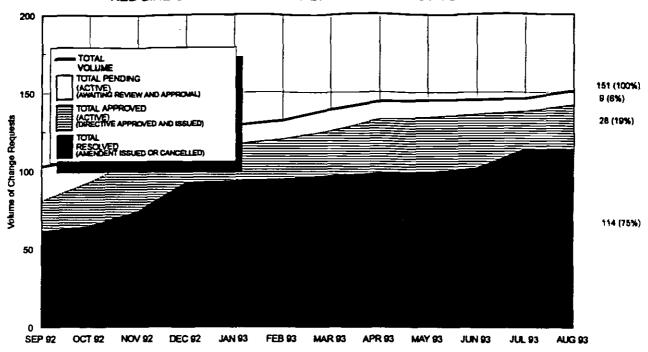
TOTAL PROJECT BUDGET \$1,446,432 ORIGINAL BUDGET \$6,376 ORIGINAL BUDGET \$57,840 CURRENT FORECAST \$7,776 BUDGET % OF TOTAL PROJECT 4.0% **CURRENT FORECAST \$59,506 ACTUAL TO DATE 153** FORECAST % OF TOTAL PROJECT 4.1%

FISCAL YEAR 1994 AGENCY COSTS
RED LINE SEGMENT 2 (#000)

STAFFING PLAN VS. ACTUAL RED LINE SEGMENT 2

THIS INFORMATION WAS UNAVAILABLE AT THE TIME OF PUBLICATION

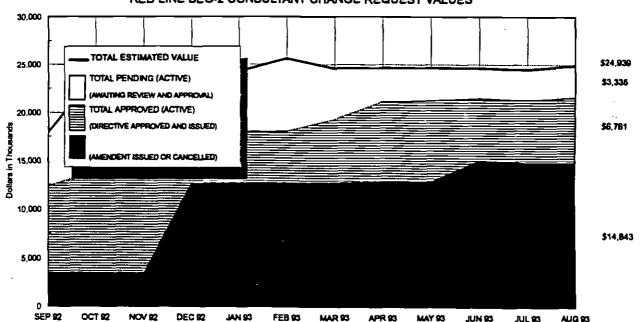
CONSULTANT CONTRACT CHANGE SUMMARY RED LINE SEG-2 CONSULTANT CHANGE REQUEST VOLUME



REQUESTED CHANGES SINCE 05/01/91 ONLY

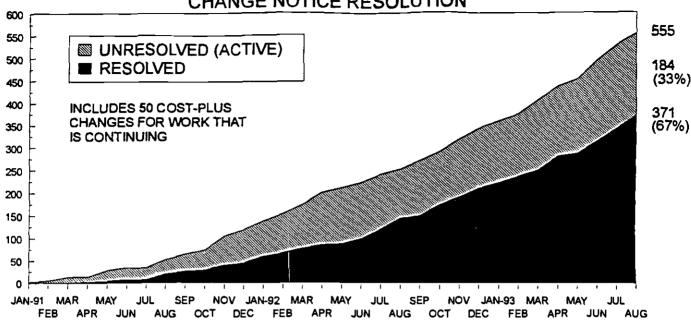
AGE OF UNRESOLVED CONSULTANT CHANGES								
TIME	0-30 DAYS	30-60 DAYS	61-90 DAYS	OVER 90	TOTAL ACTIVE			
VOLUME	5	1	1	30	32			
PERCENT	14%	3%	3%	80%	100%			

CONSULTANT CONTRACT CHANGE SUMMARY
RED LINE SEG-2 CONSULTANT CHANGE REQUEST VALUES

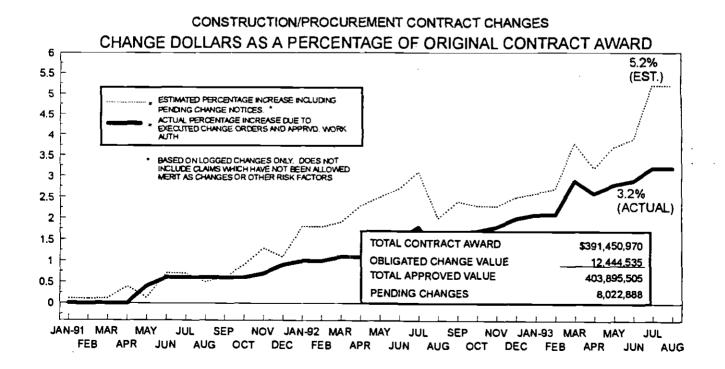


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CHANGE NOTICE RESOLUTION



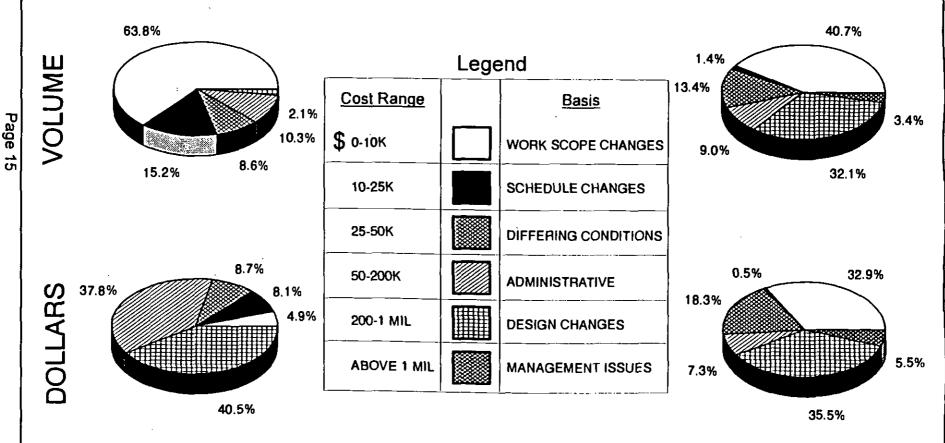
AGE OF UNRESOLVED CHANGES								
TIME	0-30 DAYS	31-60	61-90	OVER 90	TOTAL ACTIVE			
VOLUME	73	23	16	72	_184_			
PERCENT	40%	12%	9%	39%	100%			



CONSTRUCTION/PROCUREMENT CHANGE VOLUME BY COST LEVEL AND BASIS BASED ON EXECUTED CHANGES AS OF 08/27/93

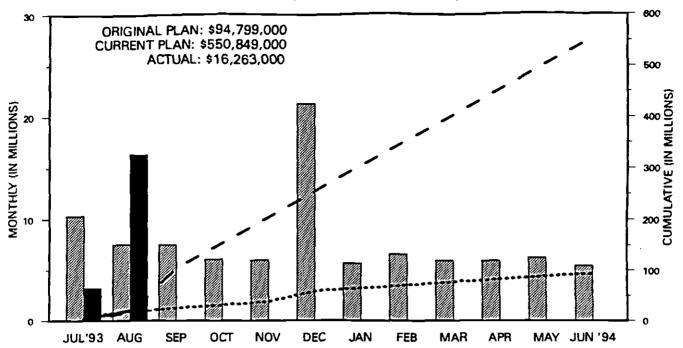
COST LEVEL Total Cost: \$9,143,236*

BASIS
Total Volume: 290 CN's

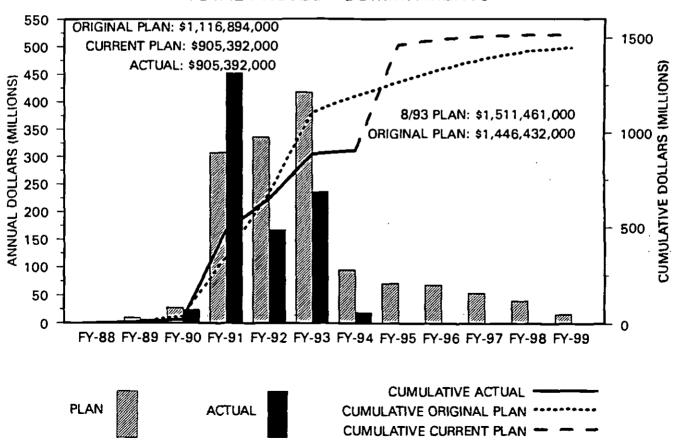


TINCORPORATES SOME SEGMENT 3 COSTS

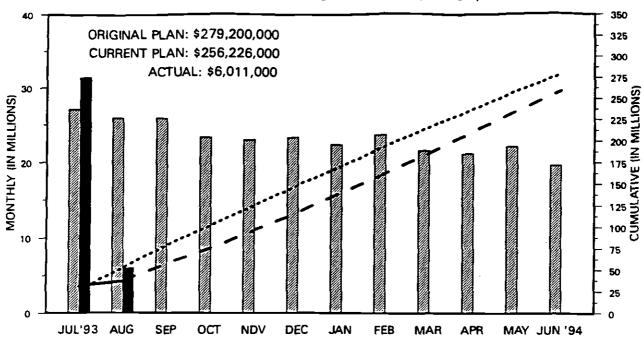
ANNUAL PROJECT COMMITMENTS (FY '94)



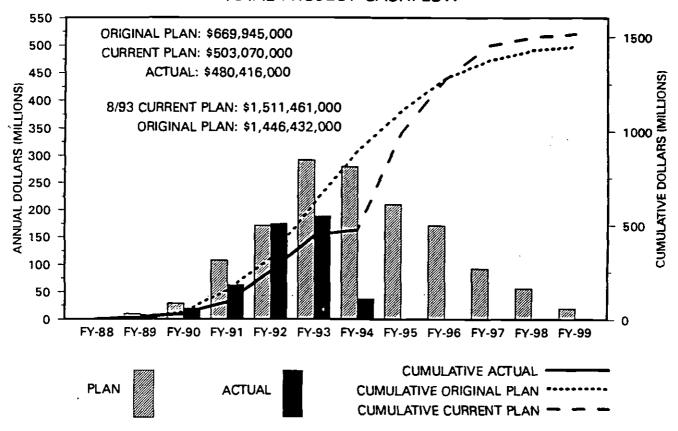
TOTAL PROJECT COMMITMENTS



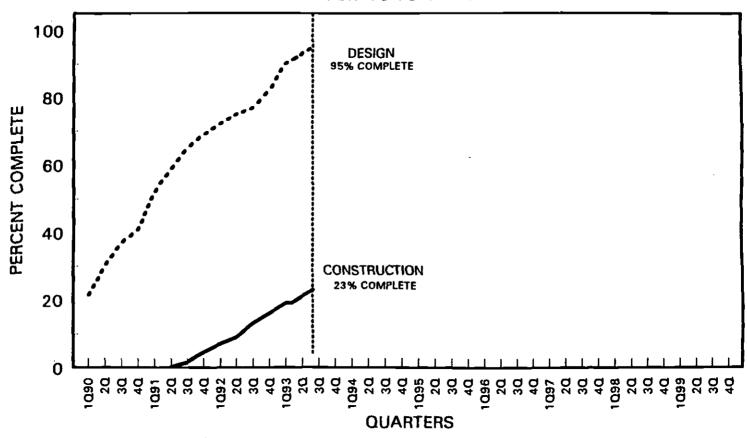
ANNUAL PROJECT CASHFLOW (FY '94)



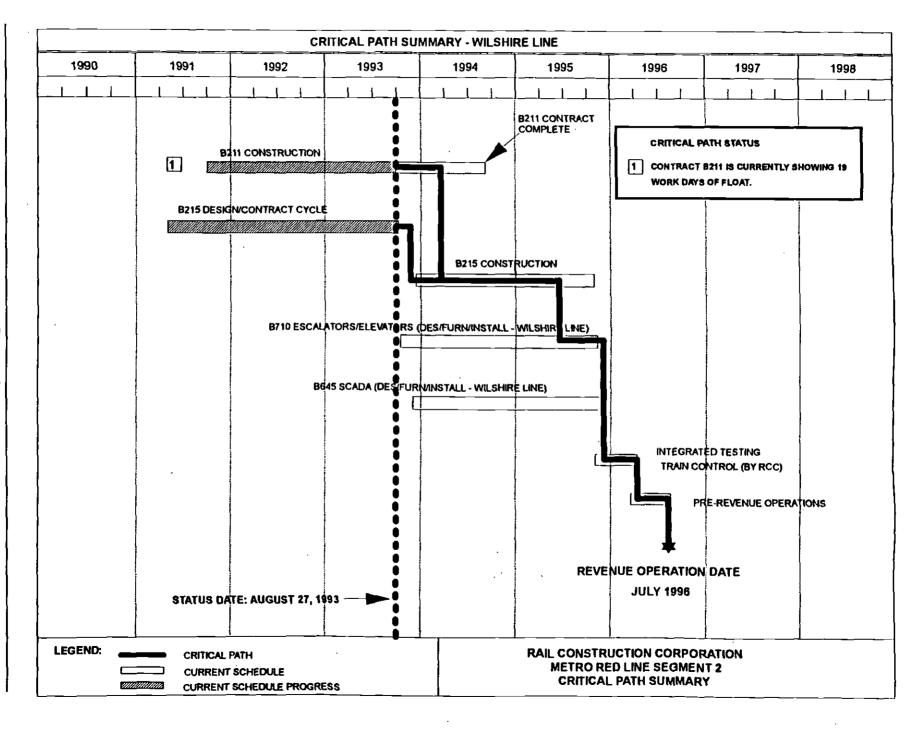
TOTAL PROJECT CASHFLOW



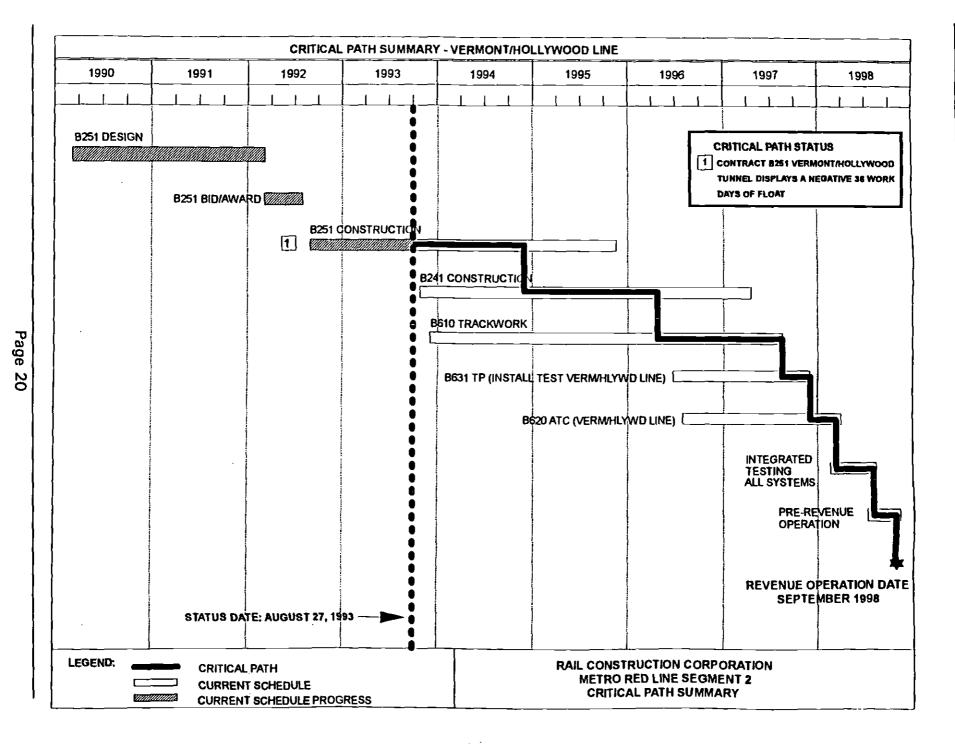
RAIL CONSTRUCTION CORPORATION METRO RED LINE SEGMENT 2 PROGRESS SUMMARY



DESIGN % COMPLETE CONSTRUCTION % COMPLETE

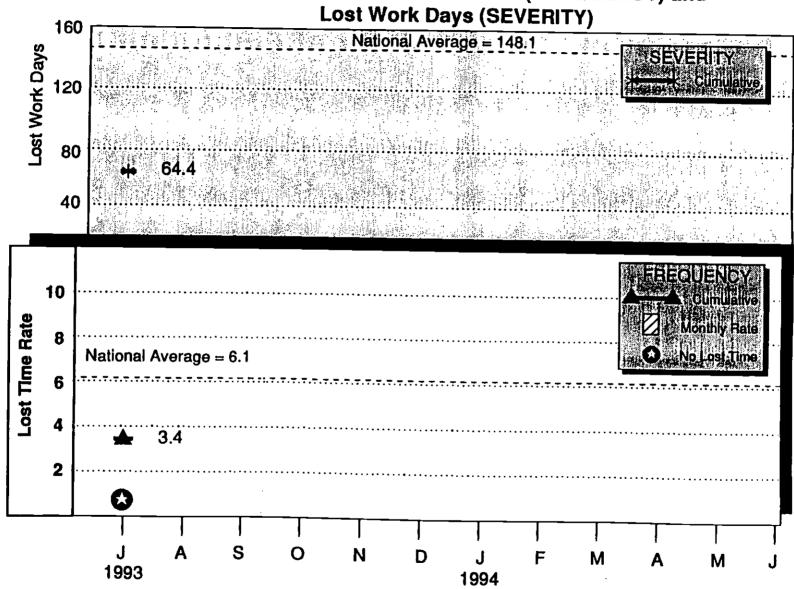


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METRO RED LINE SEGMENT 2

Summary of Lost Time Accidents (FREQUENCY) and Lost Work Days (SEVERITY)



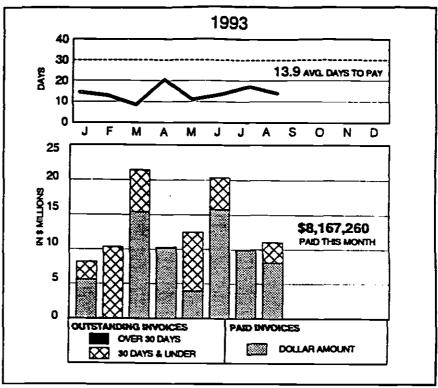
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INVOICE PROCESSING

- The average time taken to pay invoices for Construction and Procurement contracts (including Insurance) was 13.9 days.
- 13 invoices were paid for a total value of \$ 8,167,260.
- There were 7 outstanding Construction or Procurement invoices under 30 days old for \$ 2,994,305.
- There were no outstanding Construction or Procurement invoices over 30 days old.





Note: The average days to pay is the time from when the Resident Engineer approves a progress payment (invoice) to when Accounting issues a check for this invoice.

OUTSTANDING INVOICES

	Con	struction/Procu	rement Invoic	es	Other Invoices					
	30 Days	and Under	Over 30 Days			30 Days	and Under	Over 30 Days		
	Number of	Dollar	Number of	Dollar		Number of	Dollar	Number of	Dollar	
Month	Invoices	Value	Invoices	Value		Invoices	Value	Invoices	Value	
APR 1993	3	172,497	0		0	36	3,373,742	7	113,632	
MAY 1993	5	8,651,451	j 0		0	44	8,205,542	11	304,775	
JUN 1993	4	4,612,570	<u> </u>		0	31	4,653,152	7	408,750	
JUL 1993	4	64,198	0		0	34	838,793	2	373,900	
AUG 1993	7	2,994,305	0		0	32	1,991,444	1	100,253	
	1		1			·				

EXECUTIVE SUMMARY

- NORTH HOLLYWOOD EXTENSION In August, the prefinal design continued for Contract CO311, Line Section from Universal City Station to 630+00; including alternative locations of the ventilation shaft, access to the vent structure site and the roadway design. Contract CO321, Universal City Station, Notice to Proceed to the Section Designer and MTA Board approval of the appointment of a Section Designer for North Hollywood Station are both scheduled for September 15, 1993. Contract CO331, Line Section: North Hollywood to Universal City, is scheduled for bid opening on September 15, 1993. The design portion of the System contracts which have been awarded to date (B611, B614, B630, B740 and B745) include the basic design for Segment 3, North Hollywood Extension.
- MID CITY EXTENSION Delays to Contract CO411 Line Section design due to environmental concerns is the main cause for lagging progress.
 Progress for Real Estate acquisitions continues behind target schedules.
 Impacts to demolition and tunnel contracts are expected.

Two significant cost trends were identified in August:

- Increased costs for treatment of hydrogen sulfide and methane gases expected to be found along the alignment. Safety and reduced production rates are addressed in this trend.
- Decreased costs were identified for projected Real Estate acquisition which offset the above increase.

The scope for Contract CO411 Line Section was increased to include excavation and support for the Olympic/Crenshaw Station and a portion of the bus facility at Pico/San Vicente Station. The latter is funded entirely outside of the Segment 3 Full Funding Grant and accounted for accordingly.

The staff received proposals for construction management services for the Mid City and East Side Extensions. A staff recommendation for the contract award is expected in October, 1993.

EAST SIDE EXTENSION - The LACMTA received the FTA's concurrence that the required alternatives analysis process has been completed. With the concurrence, the LACMTA is permitted to initiate Preliminary Engineering efforts with use of federal funds. The Engineering Management Consultant (EMC) presented their proposal for providing complete Preliminary Engineering Services. Negotiations for an all inclusive Contract Work Order are now underway. The EMC has concluded subconsultant services negotiations for Aerial Mapping, Geotechnical Surveying, and Noise and Vibration Studies. Full release of all sub consultants is awaiting Rail Construction Corporation (RCC) and MTA concurrence. The 1:40 scale plan and profile map has been completed and forwarded to RCC for advice and comment. The vertical alignment is under review and development. Completion is pending station, geotechnical and utility input. Civil Engineering and Architectural review and design of the Locally Preferred Alternative alignment and station configurations continue. Review for real estate requirements and construction staging areas are underway.

COST STATUS

North Hollywood Extension	(\$000's)
Current Budget	\$1,310,822
Current Forecast	\$1,310,822
Mid City Extension	,
Current Budget	\$490,663
Current Forecast	\$490,663
East Side Extension	
Current Budget	\$650,000
Current Forecast	\$650,000
Total	
Current Budget	\$2,451,485
Current Forecast	\$2,451,485

The above information reflects no changes to the budget or forecast.

SCHEDULE STATUS

North Hollywood Extension

 Overall progress based on planned expenditures for the North Hollywood Extension, for the month of August 1993, is 2.29% actual versus 1.98% planned.

The critical path for the North Hollywood Extension is currently showing zero days of float. The acquisition of a necessary real estate parcel at the tunnel excavation site in Universal City is of concern, although the schedule forecast shows not impact to the Project completion date at this time. Design progress of the major facilities for the North Hollywood Extension is 43.3% actual versus 47.9% planned. The variance between actual and planned is due to delays in the appointment of section designers for Contracts C0321, Universal City Station, C0351, North Hollywood Station and C0311, Line Section: Universal City to Hollywood scope changes. Contract C0331, Line Section: North Hollywood to Universal City is expected to receive bids September 15, 1993. Contract award is anticipated in late October.

A description of the critical path is as follows: The critical path is through Contract C0311, Line Section from Universal City Station to Station 630+00, Design, Bid Cycle, Construction of the Tunnels; completion of C0321, Universal City Station, Crossover and Trackwork Access; and Contract C0610, Trackwork. The critical path continues through Contract B620, Automatic Train Control; Contract B645, TRACS; Contract H0648, Communication Installation; System Integration Testing; Pre-revenue Operations; and Revenue Operations Date, planned for May 17, 2000.

Mid City Extension

• The critical path for the Mid City Extension is currently showing zero days of float. Delays in real estate acquisitions have resulted in contingency being removed from the Project Schedule in order to maintain the Revenue Operations Date. Design Progress of the major facilities for the Mid City Extension is 23.6% actual versus 27.3% planned. The variance between actual and planned is due primarily to delays in the availability of environmental information and the approval of section designers.

A description of the critical path is as follows: Ensuing with the acquisition of Real Estate, the critical path proceeds through Contract C0428, Pico/San Vicente Demolition and Contract C0401, Crenshaw/Olympic Station, continuing through Contract C0610, Trackwork Installation, Contract B620, Automatic Train Control, Contract H0648, Communications Installation, Contract B645, TRACS, and through Integrated Testing and Pre-revenue Operations to the Revenue Operations Date of July 1999.

East Side Extension

The overall design schedule has been established in support of the February 1, 1994, completion date. Specific inter-discipline interfaces have been identified to highlight critical activities.

REAL ESTATE

North Hollywood Extension

	NUMBER OF PARCELS	NUMBER OF PARCELS AVAILABLE	PARCELS NOT AVAILABLE (ON SCHEDULE)		OT AVAILABLE SCHEDULE)
				NUMBER	AVG. DAYS BEHIND
THIS MONTH	178	8	153	25 *	60
LAST MONTH	178	8	163	15*	70

^{*}NINE PARCELS ARE ON THE CRITICAL PATH

Mid City Extension

	NUMBER OF PARCELS	NUMBER OF PARCELS AVAILABLE	PARCELS NOT AVAILABLE (ON SCHEDULE)	-	OT AVAILABLE SCHEDULE)
				NUMBER	AVG. DAYS BEHIND
THIS MONTH	59	0	53	6*	160
LAST MONTH	.64	0	55	6 •	150

^{*}SIX PARCELS ARE ON THE CRITICAL PATH

PUBLIC AFFAIRS

Staff responded to media inquires regarding the anticipated construction site of the ventilation shaft in the Santa Monica Mountains. A Santa Monica Mountains community meeting is scheduled for late October to better inform local residents about the Metro Red Line Project. Community Affairs efforts were also conducted in connection with the construction of the Universal City Station and the future site of the North Hollywood Station.

Construction notices were distributed regarding the preliminary work activities on the Mid City Extension and staff responded to public inquiries concerning route alignments. A community meeting is planned for September 21, 1993, to review construction plans.

A special tour was conducted in the East Side for MTA and RCC board members on August 16, 1993, to familiarize them with the adopted LPA.

AREAS OF CONCERN

<u>NEW</u>

C0311, Line Section: Delays and Impacts to Project Critical Path - North Hollywood Extension

Concern: There are several issues related to this contract that could impact the

Project schedule including design changes and delays in the

acquisition of needed real estates parcels.

Action: Expedite the real estate acquisition process and design efforts.

Status: Various studies are being conducted to mitigate delays.

AREAS OF CONCERN (CON'T)

Universal City Roadways Design - North Hollywood Extension

Concern:

The geometrics of a roadway layout plan adopted in 1984 and modified in 1989, is in conflict with the design speed of 50 mph required by the City of Los Angeles. Evaluation of alternative designs will delay the completion of the Project Study Report for CalTrans. This will subsequently delay section designer procurement, construction implementation and may possibly affect the Revenue Operation Date (ROD).

Action:

Expedite data collection, approvals from agencies and finalization of design.

Status:

Investigations of alternative designs regarding a freeway under crossing and the possible widening of Lankershim Boulevard, are ongoing in preparation for a preliminary discussion with CalTrans and the City of Los Angeles.

Safety, Cost, Constructibility, and Environmental Concerns - Mid City Extension

Concern:

Ongoing concerns relative to safety, cost, constructibility, and environmental issues are hampering progress. Concentrations of hydrogen sulfide and methane are of particular concern.

Action:

Identify alternative construction methodologies to address contaminants.

Status:

RCC Environmental Consultant is reviewing the data. An alternatives report is due September 22, 1993.

Added Parking Structure - Mid City Extension

Concern:

The CO421 site work scope is expanding to include a parking structure with related revisions to the bus facility. The section design consultant scope, Contract Unit CO411, and the design and construction schedule will be affected.

Action:

EMC is studying design options with associated "rough order of magnitude" construction costs for review by the MTA.

AREAS OF CONCERN (CON'T)

Status:

Section Design Consultant negotiations and the EMC design continue based on Contract C0421 preliminary engineering efforts and the C0411 in-progress design.

All efforts in this regard are funded locally, outside the parameters of . Segment 3. Unique cost accounts have been established to collect all related costs.

CO401, Olympic/Crenshaw Station - Mid City Extension

Concern:

Utility interfaces along Country Club Drive are imposing potentially costly construction impacts to station and adjoining line section. Depth of station is being dictated by concentrated utility services along Country Club Drive forcing tunnel alignment into less favorable geology.

Action:

Review alternative designs and construction methodologies.

Status:

EMC is undertaking a Value Engineering effort to address concerns

and seek viable alternatives.

ONGOING

Appointment of Section Designers - North Hollywood Extension

Concern:

A delay in the approval of section designers contracts for North Hollywood Extension, and consequent delay in issuance of Notice to Proceed, resulted in a revision of the camera ready submittal dates. This will impact the contracting cycle and the EMC staffing plan.

Action:

Expedite approval and contracting process. Compress the schedules within reasonable constraints allowing float to recover schedule contingencies.

Status:

Section Designer approval is scheduled for approval before the MTA board on September 15, 1993.

AREAS OF CONCERN (CON'T)

Delay in Obtaining Environmental Permits - Mid City Extension

Concern: Delay in acquiring the necessary Environmental Permits for Contract

CO411 may result in slippage of the contract milestones.

Action: Expedite permitting process to avoid negative float.

Status: RCC Environmental staff and subconsultants are currently looking at

ways to compress the process.

Delay in Real Estate Acquisition - North Hollywood and Mid City Extensions

Concern: There are nine parcels on the critical path for North Hollywood

affecting Contract C0351, North Hollywood Station. There are six critical parcels that affect Contract C0428, Pico/San Vicente Demolition and Contract C0411, Line Section: Pico/San Vicente to Wilshire/Western. These parcels are behind the target acquisition

schedule required to support the contract.

Action: Maintain acquisition schedule to avoid negative float.

Status: Remaining acquisition actions are under review for possible schedule

compression. All mitigation measures are being evaluated.

FTA PROJECT MANAGEMENT OVERSIGHT CONSULTANT ITEMS FOR RCC ACTION

The following items reflect action requirements identified in the July Monthly Project Report submitted to FTA by their Project Management Oversight Consultant, Hill International.

NEW

July 1993, Project Management Plan (PMP)

Concern:

The Segment 3 PMP has not been completed.

Action:

RCC should complete the Segment 3 PMP and release it.

Status:

RCC has completed the Segment 3 PMP and it has been submitted

for approval.

<u>ONGOING</u>

NONE

RESOLVED

NONE

RAIL CONSTRUCTION CORPORATION METRO RAIL RED LINE NORTH HOLLYWOOD PROJECT (IN THOUSANDS OF DOLLARS)

AUGUST 93

Page 10

STATUS OF FUNDS BY SOURCE

	TOTAL FUNDS	TOTAL FUNDS	COMMITMENTS		EXPENDITURES		BILLED TO SOURCE	
SOURCE	ANTICIPATED	AVAILABLE	\$	%	\$	%	\$ 	%
FTA-SECTION 3	\$681,037	\$19,850	\$114,817	17%		0%	\$0	09
FED SURFACE TRANSIT PROG	\$25,000	\$20,019	\$20,019	80%	\$18,302	73%	\$18,200	739
SB 1995 TRUST FUND	\$53,000	\$53,000	\$15,116	29%	\$15,116	29%		09
STATE ARTICLE XIX	\$20,000			0%		0%		09
STATE PROP 108	\$95,000			0%		0%		09
STATE TCI	\$75,000			0%		0%		09
PROP C	\$344,685	\$20,740	\$1,242	0%	\$1,242	0%	\$16,358	59
BENEFIT ASSESS, DISTRICT	\$17,100			0%		0%		09
TOTAL	\$1,310,822	\$113,609	\$151,194	12%	\$34,660	3%	\$34,558	39

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JULY 1993.

RAIL CONSTRUCTION CORPORATION METRO RAIL RED LINE MID CITY PROJECT (IN THOUSANDS OF DOLLARS)

AUGUST 93

STATUS OF FUNDS BY SOURCE

	TOTAL FUNDS	TOTAL FUNDS	COMMITM	ENTS	EXPENDIT	URES	BILLED TO SOU	JACE
SOURCE	ANTICIPATED	AVAILABLE	\$	%	\$	%	\$	%
FTA-SECTION 3	\$2 42,563	*19,850	\$ 45,151	19%		0%		0
FED SURFACE TRANSIT PROG	\$55,400	\$1,307	\$1,307	2%	\$1,307	2%	\$1,307	2
STATE ARTICLE 116	\$72,300			0%		0%		0
FLEXIBLE CONGESTION RELIEF	\$26,000			0%		0%		0
PROP C	\$94 ,400			0%		0%		0
TOTAL	\$490,663	\$21,157	\$46,458	9%	\$1,307	0%	\$1,307	

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JULY 1993.

Paga No. 1

RAIL CONSTRUCTION CORPORATION PROJECT COST REPORT COST BY ELEMENT

Project: #82 METRO RED LINE - SEGMENT 3 - M. HOLLYWOOD

Pariod: Jul 30, 1993 to Aug 27, 1993

Run Date: Sep 21, 1993

Units: \$ in Thousands (Truncated)

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ORIGINAL Budget	CLIRRENT	BUDGET	CONNECT	IMENTS	תבוא נ	RRED	EXPEN	ITURES	CURRENT	FORECAST	FORECAST VARIANCE
	Period	To Date	Period	To Date	Period	To Date	Period	To Date	Period	To Date	
890,729	0	890,729	1,234	63,206	59	6,434	59	6,434	298	834,639	-\$6,089
254,747	0	254,747	45,695	74,275	1,831	14,592	1,831	14,592	Q.	254,747	0
84,534	0	84,534	3,331	13,606	13,325	13,606	13,325	13,606	6,520	91,054	6,520
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	890,729 254,747 84,534 13,237	890,729 0 254,747 0 84,534 0 13,237 0 67,575 0	890,729	BUDGET Period To Date Period	890,729	BUDGET Period To Date Period To Date Period	RUDGET		RUDGET	BUDGET	BLIDGET

RAIL CONSTRUCTION CORPORATION PROJECT COST REPORT COST BY ELEMENT

Project: RB3 METRO RED LINE . SEGMENT 3 . MID CITY EXTENSION

Period: Jul 30, 1993 to Aug 27, 1993

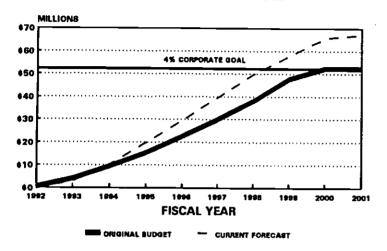
Page No. 1

Run Date: Sep 20, 1993

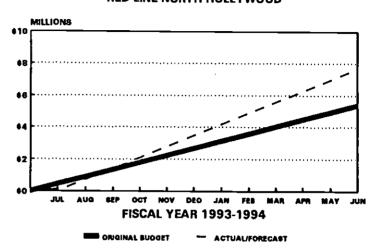
Units: \$ in Thousands (Truncated)

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CONSTRUCTION	334,139		334, 139	860		-						
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ELEMENT / DESCRIPTION	BUDGET	Period	To Date	Period	TO Date	Period	To Dete		To Date	Period	FORECAS To Date	

AGENCY COSTS RED LINE NORTH HOLLYWOOD



FISCAL YEAR 1994 AGENCY COSTS RED LINE NORTH HOLLYWOOD

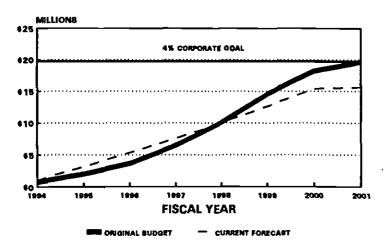


PROJECT AGENCY COSTS RED LINE NORTH HOLLYWOOD (\$000)

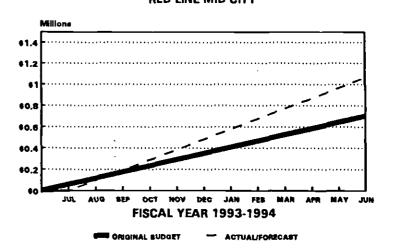
FISCAL YEAR 1994 AGENCY COSTS RED LINE NORTH HOLLYWOOD (\$000)

TOTAL PROJECT BUDGET	\$1,310,825	ORIGINAL BUDGET	\$5,380
ORIGINAL BUDGET	\$52,472	OUDDESIT FORMOUSE	
BUDGET % OF TOTAL PROJECT	4.0%	CURRENT FORECAST	\$7,660
CURRENT FORECAST	\$67,088	ACTUAL TO DATE	\$ 19
FORECAST % OF TOTAL PROJECT	5.1%		

AGENCY COSTS RED LINE MID CITY



FISCAL YEAR 1994 AGENCY COSTS RED LINE MID CITY



PROJECT AGENCY COSTS RED LINE MID CITY (\$000)

TOTAL PROJECT BUDGET \$ 490,663 ORIGINAL BUDGET ORIGINAL BUDGET \$ 19,627 CURRENT FORECAST BUDGET % OF TOTAL PROJECT 4.0% CURRENT FORECAST \$ 15,629 ACTUAL TO DATE FORECAST % OF TOTAL PROJECT 3.2%

FISCAL YEAR 1994 AGENCY COSTS

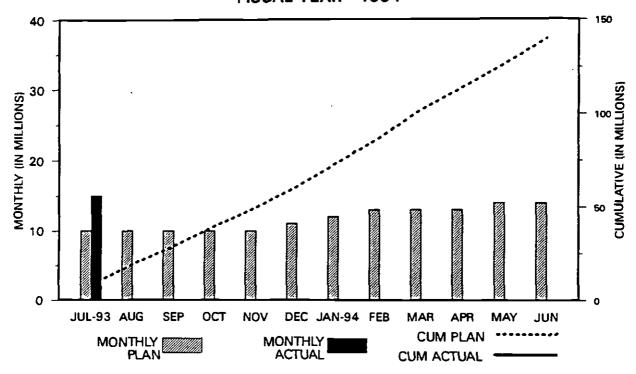
RED LINE MID CITY (\$000)

\$ 706

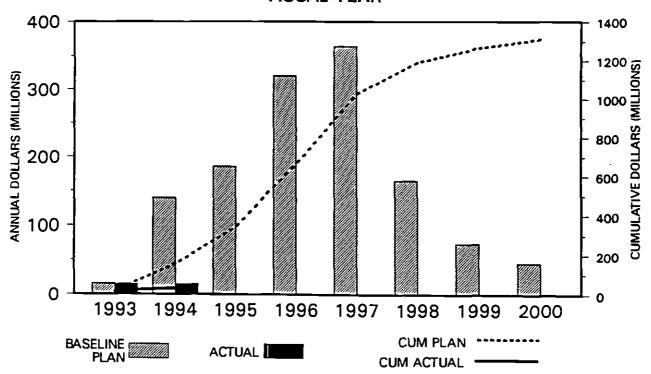
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CURRENT FORECAST .	\$1,065
ACTUAL TO DATE	\$ 0

NORTH HOLLYWOOD

PROJECT CASH FLOW - ANNUAL FISCAL YEAR - 1994



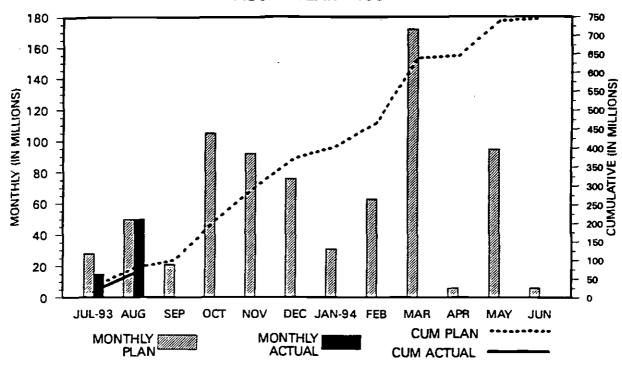
PROJECT CASH FLOW - PROJECT FISCAL YEAR



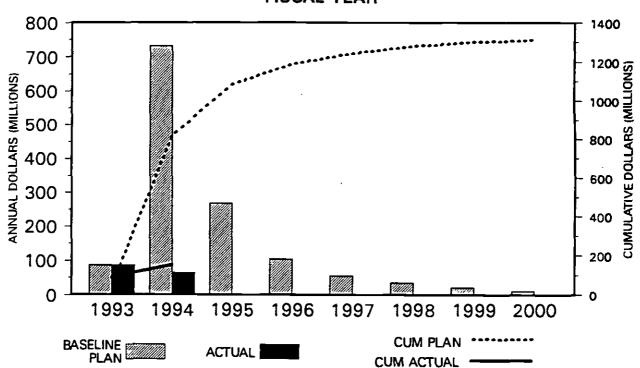
NOTE: THESE CHARTS ARE BASED ON ACTUAL EXPENDITURES CURRENT THROUGH JULY 1993

NORTH HOLLYWOOD

PROJECT COMMITMENT - ANNUAL FISCAL YEAR - 1994

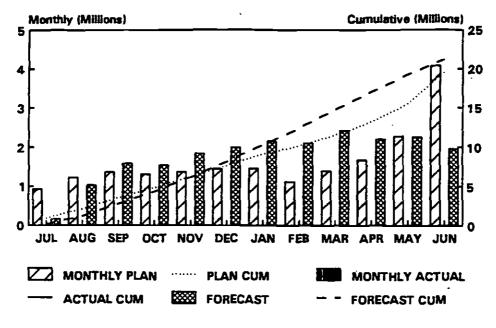


PROJECT COMMITMENT - PROJECT FISCAL YEAR



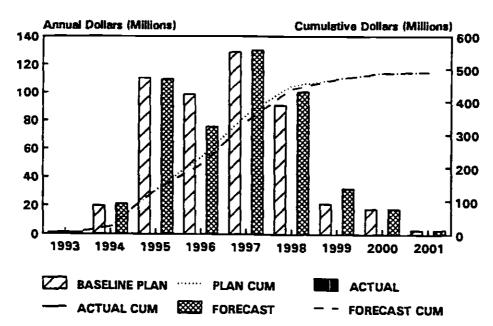
MID CITY EXTENSION

PROJECT CASH FLOW - ANNUAL FISCAL YEAR 1994



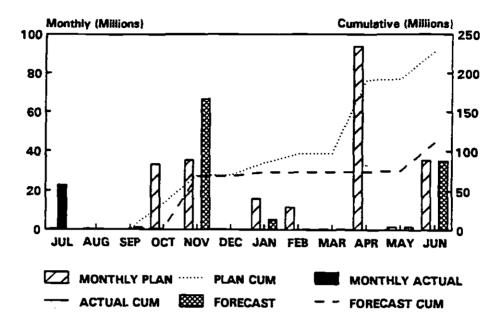
^{*} No actuals recorded for 7/93

PROJECT CASH FLOW - PROJECT FISCAL YEAR

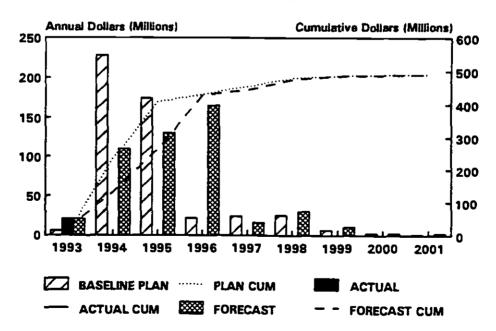


MID CITY EXTENSION

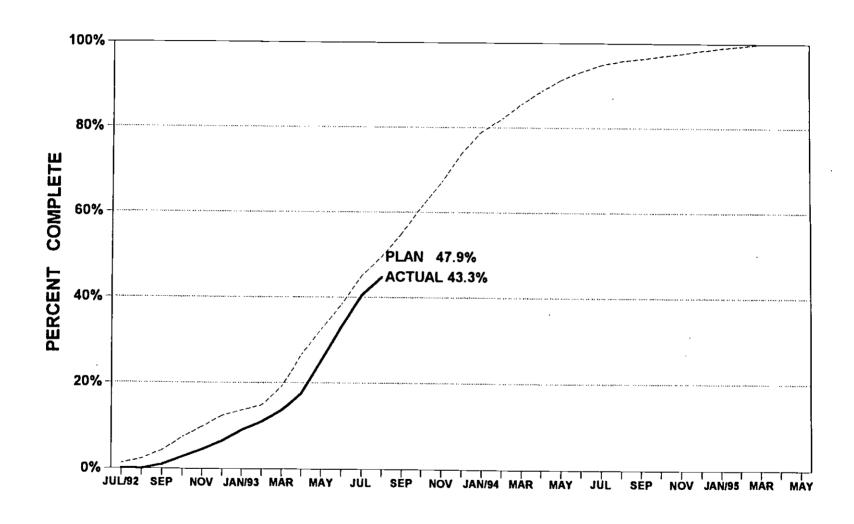
PROJECT COMMITMENTS - ANNUAL FISCAL YEAR



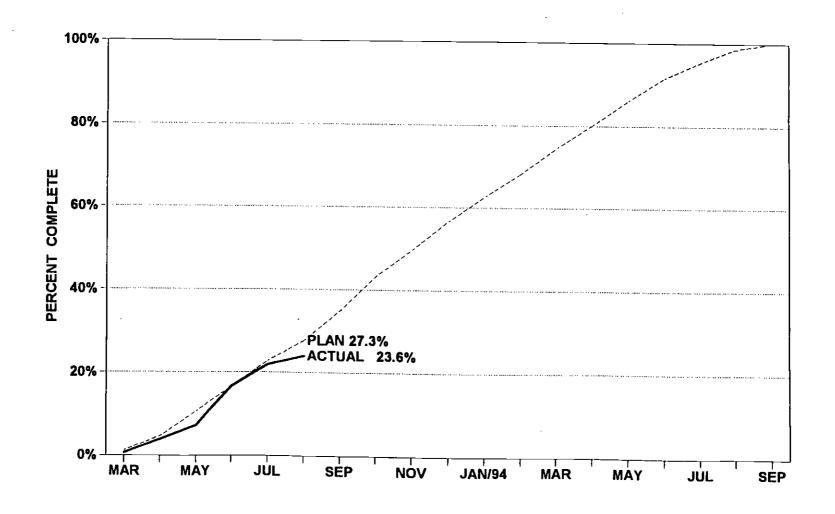
PROJECT COMMITMENTS - PROJECT FISCAL YEAR



METRO RED LINE SEGMENT 3 NORTH HOLLYWOOD EXT-FACILITIES DESIGN



METRO RED LINE SEGMENT 3 MID CITY EXT - FACILITIES DESIGN



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