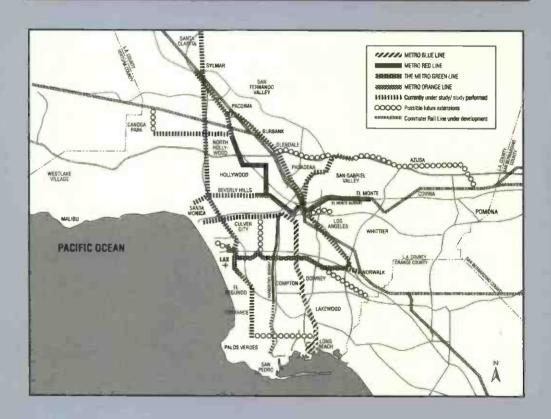
RAIL CONSTRUCTION CORPORATION



Executive Report Rail Program Status





RAIL PROGRAM STATUS SUMMARY

RAIL PROGRAM STATUS SUMMARY

Metro Red Line Segment	/letro	Red	Line	Seament	1
------------------------	--------	-----	------	---------	---

Cost Status	(\$000)	Project Progress	
Original Budget	1,249,900	Design:	
Expended to Date	_ 1,218,050	Plan	100%
Current Budget	1,450,019	Actual	98%
_		Construction:	
Schedule Status		Plan	94%
Revenue Operations	Date:	Actual	93%

Original April 1992 Forecast June 1993

Metro Red Line Segment 2

				•	
Cost Status		(\$000)	Project Progress		
Original Bu	ıdget	1,446,432	Design:		,
Expended	to Date	167,604	Plan	79%	
Current Bu	ıdget	1,446,432	Actual	74%	
	_		Construction:		
Schedule Stat	us		Plan	7%	
ROD:	Wilshire	Vermont/Hlywd	Actual	7%	}
Original	Jul '96	Sep '98	•		
Forecast'	Jul '96	Sep '98			

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

Cost Status	(\$000)	Project Progress	
Original Budget	671,000	Design:	
Expended to Date	·	Plan	100%
Current Budget	716,000	Actual	99%
-		Construction:	
Schedule Status		Plan	20%
Revenue Operation	ons Date:	Actual	17%
Original	October 1994	•	
Forecast	May 1995	•	

Metrolink (include	es 4 start-up lines, shai	red facilities, and LAUPT)		
Cost Status	(\$000)	Project Progress		
Original Budget	473,262	Design:		
Expended to Date	83,512	Plan	100%	
Current Budget	473,262	Actual	100%	
	•	Construction:		
Schedule Status		Plan	16%	
Revenue Operation	ons Date for 3 lines:	Actual	16%	
Original	October 1992			
Forecast	October 1992			
Forecast(Union P	ac) October 1993 **			

STATUS DATE: 01/31/92

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

(IN THOUSANDS)

PROJECT: TOTAL RAIL PROGRAM

PHOJECT: TOTAL RAIL PROGR	HAM	_	_					_		
	BUC	GET :	COMMIT	MENTS	INCURR	ED COST	EXPENDI	TURES	CURRENT	VARIANCE (9-2)
DESCRIPTION	ORIGINAL	CURRENT	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(<u>t0</u>)
CONSTRUCTION	2,556,544	2,829,275	36,698	1,803,851	67,379	1,343,686	54,079	1,306,072	2,929,604	100,329
PROFESSIONAL SERVICES	916,961	1,055,114	6,960	930,807	12,316	764,815	11,149	747,606	1,159,106	103,992
REAL ESTATE	247,495	301,211	1,071	243,156	452	234,159	452	234,075	320,792	19,581
UTILITY/AGENCY FORCE ACCOUNTS	105,421	88,422	71	81,398	192	65,297	198	64,919	93,616	5,194
SPECIAL PROGRAMS	7,668	14,110	11,210	13,507	48	857.	50	779	25,150	11,040
CONTINGENCY	322,710	245,265	0	o	0	o	o	o	75,272	(169,993
PROJECT REVENUE	(18,115)	(43,675)	0	(8,205)	· (1)	(6,315)	(2)	(7,545)	(43,975)	(300
PROJECT GRAND TOTAL	4,138,684	4,489,722	56,010	3,064,514	80,386	2,402,499	65,926	2,345,906	4,559,565	69,843



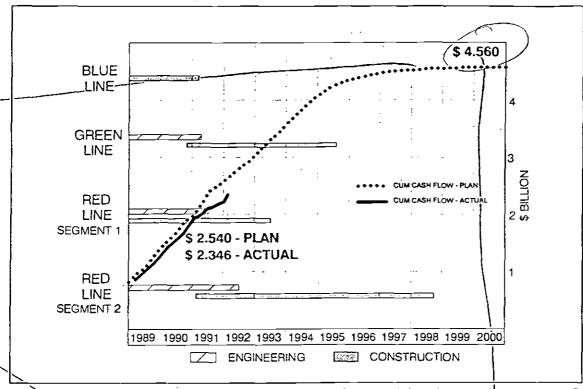
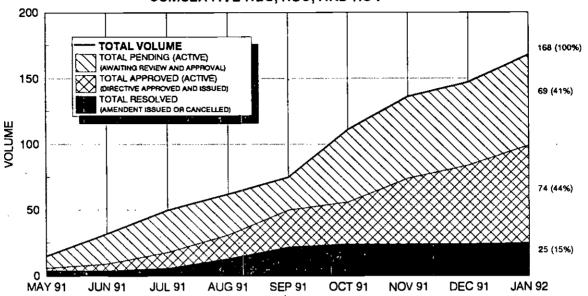


Figure 1 - Rail Construction Plan

Figure 2 shows the funding sources for each project and for the total program. Data included in this figure is based on the current forecast total cost of each project.

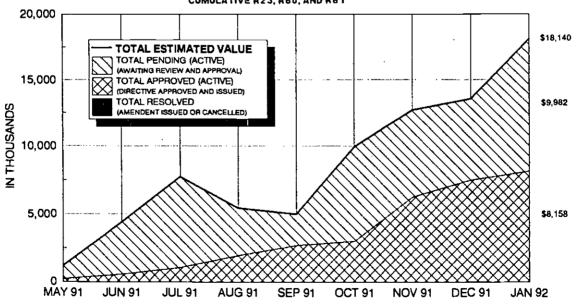
	Figure	2 -	Rail Co	nstru	ction F	undir	ig Sour	ces	_ \	
				iM Mi)	LLIONS)					
			METRO				METRO		TOTA	
	LiN \$	E^ %	\$	E*** %\	SEGME!	NI 1**	SEGME \$	-N12 %	PROGI	*AM
FTA-SEC 3					605.3	42	667.0	46	1	27
FTA-SEC 9					90.6	6			90.6	2
STATE			107.5	12	2 13.1	15	186.0	13	.50 <u>6</u> .6	11
LOCAL (PROP A)	877.0	100	778.5	88	176.6	12	439.4	30	227 1.5	49
CITY OF L.A.					34.0	2	96.0	7	130.0	3
BENEFIT ASSESS					130.3	9	58.0	4.	188.3	4
FORECAST					200.1	14	_		200.1	4
TOTAL	877.0	100,				100		100		100
	** LRT !	PORTIC	OF-LIGHT ON INCLU OF FUND	IDED II	N BLŮE L	IŃE FC	RECAST	. `	EGMENT.	

CONSULTANT CONTRACT CHANGE SUMMARY CONSULTANT CHANGE REQUEST RESOLUTION CUMULATIVE R23, R80, AND R81



	AGE OF L	INRESOLVED	RESOLVED CONSULTANT CHANGES										
TIME	ME 0-30 DAYS		61-90 DAYS	OVER 90	TOTAL ACTIVE								
VOLUME	17	15	24	87	143								
PERCENT	12%	10%	17%	61%	100%								

CONSULTANT CONTRACT CHANGE SUMMARY CONSULTANT CHANGE REQUEST VALUES CUMULATIVE R23, R80, AND R81



Page 4

EXECUTIVE SUMMARY

CONSULTANT CONTRACT CHANGE STATUS SUMMARY PENDING CHANGES/AMENDMENTS AS OF 01/31/92

(\$ = THOUSANDS)

CONSULTANT CONTRACTS		SCAL: 1/MC005	MRT 2997	C: 7/E0002	PD: 336	9	OKA MC(отн	IER	PROJ TOT <i>A</i>		LAS	т молтн	VARIANCE
	#	\$	#	\$	#	\$	#	\$	#	\$	×, 3	\$	#	\$	# 5
RO1: BLUE LINE	9	1,438									9	1,438	9	1,438	0 0
R05: PASADENA LINE									1	7	100 m	7	0	0	71 7
R23: GREEN LINE	48	3,365					14	1,043	2	111	64	4,519	55	4,338	9 181
R80: RED LINE S1			2	141	42	6,540					44	6,681	40	6,093	4 588
R81: RED LINE S2			15	3,718	19	3,222			1	200	35	7,140	28	3,132	7 4,008
R82: RED LINE S3			5	2,048							5	2,048	5	2,048	
CONTRACT TOTAL	57	4,803	22	5,907	61	9,762	14	1,043	4 *	318	158	21,833	COM	MENTS:	
LAST MONTH	52	4,853	18	4,426	55	6,847	11	892	1	31	137	17,049			
VARIANCE		(50)	4	1,481	6	2,915	\$3	151	ંં 3	287	21	4,784			

NOTE: OOLLAR VALUES SHOWN INCLUDE CONSULTANTS ROUGH-ORDER-OF-MAGNITUDE ESTIMATES AND DO NOT NECESSARILY REFLECT RCC'S FORECAST OF FINAL CHANGE COSTS.

REAL ESTATE

Figure 3 summarizes the real estate status for Metro Green Line and Metro Red Line Segment 2.

Figure 3 - Real Estate Acquisition Status Summary

	Number of	Number of Parcels	Parcels Not Available		Not Available nd Schedule)
	Parcels	Available	(on Schedule)	Number	Avg. Days Behind
Green Line	40	39	1 1	0	0
Red Line Seg 2	72	28	39	· 5	99

RAIL CONSTRUCTION CORPORATION STAFF DEVELOPMENT

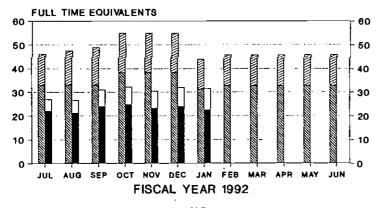
Figure 4 shows that 143 positions are filled with regular full time staff and 21 positions are filled with contract or temporary employees.

AUTHORIZED STAFF LEVEL = 179 200 166 168 170 139 140 150 119 100 50 0 CONTRACT/TEMP 21 21 22 20 23 26 28 27 25 REGULAR 101 104 106 113 117 120 121 126 131 139 143 146 143 FILLED (CONTRACT/TEMP) FILLED (REGULAR STATUS)

Figure 4 - RCC Staff Levels

Figure 5 (on the following page) shows the LACTC/RCC staff full time equivalents and wage rate for the rail projects.

STAFFING PLAN VS. ACTUAL RED LINE SEGMENT 2



RCC FTE's PLANNED

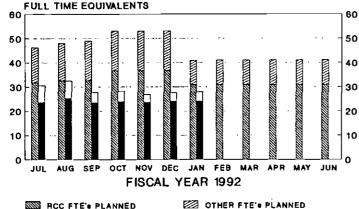
OTHER FTE's PLANNED

OTHER FTE's ACTUAL

FY'92 Amended Budget Implemented JAN'92

Figure !

STAFFING PLAN VS. ACTUAL GREEN LINE

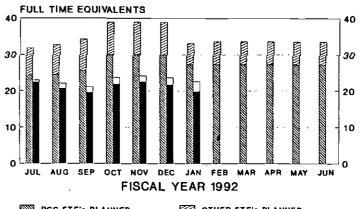


RCC FTE'S ACTUAL

OTHER FTE' PLANNED

FY'92 Amended Budget implemented JAN'92

STAFFING PLAN VS. ACTUAL RED LINE SEGMENT 1



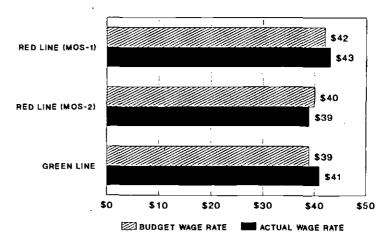
RCC FTE's PLANNED

OTHER FTE'S PLANNED

OTHER FTE'S ACTUAL

FY'92 Amended Budget implemented JAN'92

LABOR WAGE RATE* RED LINE (SEGMENT 1 & 2), GREEN LINE



Salaries and Fringe Benefits Only

JANUARY 92



RAIL CONSTRUCTION CORPORATION

EXECUTIVE SUMMARY LABOR DISTRIBUTION REPORT For Period: January 1992 (All Figures in FTE Person Months)

Page: | | | | Date: 2/14/92 | Time: 9:18 am

		01 Line		t05 idena	R Green	23 Line	R Red	80 Seg 1	Red :	B1 Seg 2	, Red	82 Seg 3	Sub Total	R60/70 Comm Rail	Rxx Other Proj	R92 System Wide	000 Overbead	Sub Total	Grand Total	ANNA
DIVISION	PER	YTD	PER	YTD	PER	YTD	PER	YTD	PER	מזע	PER	סוי	PER YTO	PER YTO	PER YTD	PER YTD	PER YTO	PER YTO	PER YTO	BLDGE
BLDGET ACTUAL	0.0	0.0 0.0	0.0		6.5 0.0	45.5 0.0	2.0 0.0	14.2	2.0	14.1	0.0	0.0	10.6 73.7 0.0 0.0	W/A	H/A	R/A	H/A	X 1/4	10.6 73.9 0.0 0.0	126.
Strategic Group BLDGET ACTUAL	1.7		.3 p.0		1.9	12.2 17.7	1.9		.9 1.4	6.3	.3 0.0	1.3	7.0 45.1 5.2 29.3		H/A	II/A	E/A	F WA	7.0 45.1 5.2 29.3	79.
Area Teims BUDGET ACTUAL	0.0 .1		1.2		.1 .0	.7	0.0 0.0		.4 1.1	2.8 4.8	.4.	2.8 4.7	2.1 14.7 2.4 15.4	W/A	E/A	II/A	E/A	B/A	2:1 4.7 2.4 15.4	ъ.
FAST BLDGET ACTUAL	2.2	14.1	.5		7.9 1.6	53.2 14.6	5.1 1.8	33.4 9.2	13.2 6.5	86.2 39.2	.3 0.0	1.5	29.1 190.8 11.1 67.9	M/A	M/A	N/A	N/A	WA *	29.1 190.8 11.1 67.9	336.
Commuter Rull BLDGET	0.0		0.0		0.0 0.0	0.6	0.0		0.0	0.0	0.0	0.0	0.0 0.0	M/A	H/A	N/A	N/A	WA .	0.0 0.0 0.0 3	0.
Reil Construction Corporation BLOGET ACTUAL	1.7 2.0		13.8		36.7 24.0			194.2 148.4	38.4 22.5	252.3 162.0	2.7		123.1 790.5 74.6 521.0	1 6.0 38.7 3.7 24.1	1.5 7.8 3.9 75.9	0.0 0.0	43.8 277.5 59.9 247.5	\$1.2° \$23.9 67.5.347.6	174.3 1122.4 2442.2 1866.6	1993
COMMISSION TOTAL BUDGET ACTUAL	₹5.6	34.4 , 23.7	* 15.E	392.5 20.5	253.1	355.3 201.0	39.0 22.5	254.4 7160.3	34.6 31.5	361.7, 210.5	3.6	22.6 13.3	171.8 1122.9 93.4 633.9	6.0 35.7 3.7 24.1	1.5 7.8 3.9 75.9	0.0 + 0.0 0.0 + 0.0	43.8 277.5 59.9 247.5	31.2 323.9 67.5 347.6	223.0 1446.8 160.9 \981.3	1
ANNUAL BUDGET	26.000	64.Z	S 4 10 1 10	171.2		620.6	<u> </u>	449.2		635.9	1	40.6		68.4	15.3	0.0	496.2		<u> </u>	2561.

CORPORATE COST TARGETS RELATIVE TO CONSTRUCTION

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 25.9% which is the same figure as last month. The percentage <u>includes</u> all costs previously expended by the SCRTD when the Metro Red Line Segment 1 project was under SCRTD management.

Staff costs are projected at 4.3% of total program costs, the same figure as last month, which exceeds the 4.0% corporate goal. Figure 6 illustrates the forecast figures for each project and for total program.

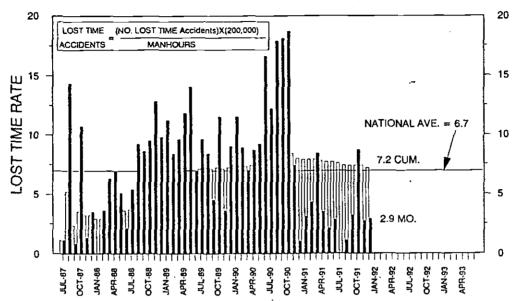
Figure 6 - Cost Performance Relative to Corporate Goals

(IN THOUSANDS) CORPORATE METRO RED LINE METRO RED LINE TOTAL METRO BLUE LINE METRO GREEN LINE PROGRAM GOAL SEGMENT 2 SEGMENT 1 DOLLARS PERCENT DOLLARS PERCENT DOLLARS PERCENT DOLLARS PERCENT DOLLARS PERCENT CONSTRUCTION 72.74% 813,943 56.13% 980,159 67.76% 3.023,220 66.31% 74.95% 571.631 657,487 9.63% 96,289 6.66% 139,679 REALESTATE 55,592 6.34% 29,232 3.72% PROFESSIONAL SERVICES: 126,816 8.77% 491,982 10.79% 75,425 220,154 15,18% ENGINEERING/DESI 7.93% 9.60% 69,587 9.52% 131,394 9.08% 434,168 CONSTRIMEMT. 91,642 10.45% 72,889 9.28% 138.243 9.53% 57,541 3.98% 197,835 4.34% 2.72% 101,279 6.98% STAFF 17,655 2.01% 21,360 1.32% 0.07% 30,110 2.08% 60.241 OTHER 14.222 1.62% 14,921 1.90% 23.49% 460,664 31.77% 345,861 23.91% 1,184,226 25.97% 20% 184,595 SUBTOTAL 193,106 22.01% 24,423 1.69% 75,302 1.65% 2 46% 0.11% 14,183 1.80% 35,733 CONTINGENCY 963 (300)-0.02% (43,975)-0.969 -3.41% (13,798)-1.76% 0 0.00% PROJECT REVENUE (29,877) 1,446,432 100.00% 4,559,565 100.009 1,450,019 100.00% 785,843 100.00% GRAND TOTAL 877,271 100.00%

CONSTRUCTION SAFETY

Figure 7 shows the combined Construction Safety report for the Metro Blue Line, the Metro Green Line and the Metro Red Line, Segment 1 and Segment 2 projects. The frequency index (Lost Time) and the severity index (Lost Days) of accidents for December were still below the national average.

CONSOLIDATED PROJECTS SUMMARY OF LOST TIME ACCIDENTS (FREQUENCY)



CONSOLIDATED PROJECTS SUMMARY OF LOST WORK DAYS (SEVERITY)

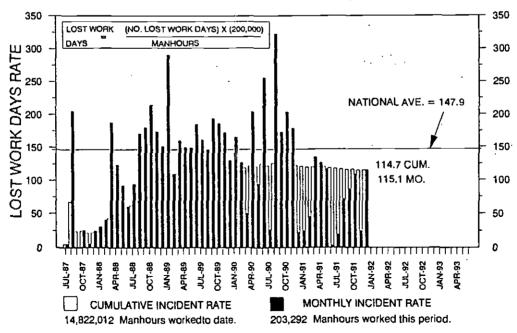
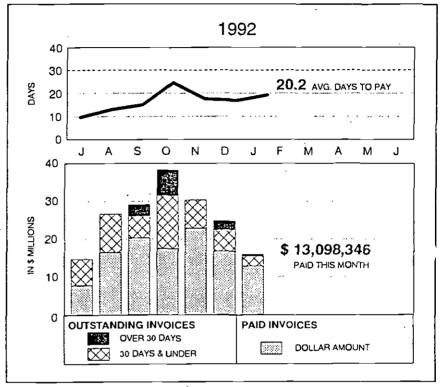


Figure 7

INVOICE PROCESSING

- The average time taken to pay invoices for Construction and Procurement contracts (including Insurance) was 20.2 days.
- 28 invoices were paid this month for a total value of \$ 13,098,346.
- There were 3 outstanding Construction or Procurement invoices under 30 days old for \$ 2,739,635.
- There was 1 outstanding Construction or Procurement invoice over 30 days old for \$ 466,820.

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

	Con	struction/Procu	rement invo	ices	Other Invoices					
	30 Days	and Under	Over 3	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		
OCT 1991	17	14,328,654	30	6,818,530	44	7,513,568	17	876,002		
NOV 1991	16	7,640,255	2	27,063	49	7,791,884	22	1,218,880		
DEC 1991	13	5,834,032	1	2,240,824	67	3,882,141	31	2,172,469		
JAN 1992	3	2,739,635	1	466,820	44	4,660,958	30	1,314,546		

METROLINK - COMMUTER RAIL

JANUARY 1992 VEHICLE PROGRESS REPORT PASSENGER COACHES (UTDC)

PROGRESS THIS PERIOD:

- Car number 11 of the base (15) cab cars is in "splice"; subsections for an additional eight (8) cars (base 40) are in production floor assembly fixtures.
- Total quantity of passenger vehicles remains at 70: 24 cab cars plus 46 trailer cars.
- Total contract dollar value decrease (resulting from the reduction of Canadian Custom Duties and Processing Fees) has been received and is being reviewed.

UPCOMING MILESTONES/ISSUES FOR NEXT THREE MONTHS:

- Issuance of Change Order for spare parts for option cars.
- Pricing for pending Change Orders resulting from modifications required for ADA compliance has been revised and is under review.
- Production rate to maintain level of 2 vehicles every 3 weeks until mid-February '92 when a rate of 1 vehicle a week will be achieved.
- Arrival of first car anticipated beginning of April, 1992.

CRITICAL NEEDS:

None

METROLINK - COMMUTER RAIL

JANUARY 1992 VEHICLE PROGRESS REPORT LOCOMOTIVES (GM)

PROGRESS THIS PERIOD:

- Nearing completion of finalizing the engineering details for the modification to base locomotives for SCRRA operations to insure start of production fabrication.
- Total quantity of locomotives remains at seventeen (17) -Base Order.
- Reduction of NOx emissions still in work.

UPCOMING MILESTONES/ISSUES FOR NEXT THREE MONTHS:

- Processing and cleanup of Change Orders and Change Notices.
- Decision on optioning additional locomotives above base order.
- Continuing discussions with engine manufacturer on NOx reductions.
- Arrival of first locomotive anticipated in June 1992.

CRITICAL NEEDS:

None

		RAIL	CONSTRUCT	TON CORPO	DRATION						
			COMN	AUTER RAI	L						
			CONTRACT	ING SCHED	ULE		UPDATE:	27-Jan-92	PAGE:	7 of 8	
CONT	CONTRACT	CAMERA *	ADVERTISE	PRE-BID	SUBMISSION	REPORT	f UPA	COMMISSION	[34, 5]	CE TO	RESPONSIBLE
NO	DESCRIPTION	READY	DATE	MEETING	DATE	COMPLETE	APPROVAL.	APPROVAL	PRO	CEED	Enging/Contracts/ProjCont
T5020	COMMUTER RAIL OPERATION SERVICE		15° 07-Jun-91	18-Jun-91	06-Jul-91	06-Sep-91	21-Nov-91	, N/A	15-	Jan-92	Solow/Sechler
C6090	MIDWAY TRACK & SIGNALS	Apr-92	Apr-92	T.B.D.	T.B.D.	T.B.D.	Dec-92	· N/A		Jui-92	
C6150	EAST LINE POMONA AND COVINA STATIONS	28-Jan-92	04-Feh-92	17-Feb-92	02-Mar-92	06-Mar-92	13-Mar-92	N/A	02-	Apr-92	Crary/Sechler
H2030	SIGNAGE FABRICATE INSTALL	OCT '91	″.∷oct 91	T.B.D.	T.8.D.	T.B.D.	Jut-92	N/A	ם ׁ	EC .81	
112050	C.T.C. DISPATCH CENTER DESIGN & BUILD	T.B.D.	T.B.D.	T.B.D.	T,B.D.	T.B.D.	T.B.D.	N/A		T.B.D.	Rinard/
	SPTC FORCE ACCOUNT (SIGNALS)	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	N/A		T.B.D.	Rinard/Sechler
112060	COMMUNICATION SYSTEM CONSTRUCTION L.A. RIVER TO SAN BERNARDINO	* Ži-Oćt-91	ॅंॅं 02-Dec-91	11-Dec-91	31-Dec-91	03-Jan-92	× 10-Jan-92	N/A	22	-Jan- 92	/Mahler/Rinard .
TBD	BROADWAY CONNECTOR	FEB '92	MAR '92	MAR '92	APR '92	MAY '92	MAY 192	N/A	i M	AY '92	
TBD	CONDUITS	MAR '92	APR '92	MAY '92	JUN '92	JUN '92	JUN '92	N/A	1	UN 192	
TBD	TAYLOR UNDERPASS	FEB 92	MAR '92	APR '92	MAY '92	MAY '92	JUN '92	N/A	1	UN '92	}
TBD_	SEISMIC RETROFIT	JAN '92	FEB '92	FEB '92	MAR '92	APR '92	APR '92		<u> </u>	PR '92	
*** LIN	ITED NOTICE-TO-PROCEED	l	ACT	JAL DATE =	1	CHANGES SI	NCE THE LAS	ST UPDATE=	"BOLD ITALICS"		

A:COMMRAIL.JAN

January changes shaded

LACTC COST RECOVERY STAMIS REPORT

CLAIMS IN PROCES:

			Claim	Agreed		ļ	Unpaid	Unbilled		•
Agency	Contract	Description	Amount	Amount	invoiced	Paid	Balance	Balance	Status	Action Items
BLUE LINE	_									
Compton	F202	MC-5 Alternative (See Note 1)	10,158,808	5,842,373	6,925,210	6,427,163	498,047	0	See Page 2	LACTC \$ exposure/45 day itr
нло	C140	C140 Counterclaim	5,171,204	1,000,000	1,000,000	1,000,000	0	0	HJO Claim	Balance to E&D - TBD
	C117	Third Party Backcharges	35,674	Inc	luded in Ilne a	above .)		Reduction (8/91)	
LongBeach	C336	LB Station Superstructures - Indirect	211,733						On hold per JMG	Follow with Long Beach
	Various	Long Beach Prop A Projects	193,673						On hold per JMG	Develop addi documentation
LA-BSL	C117/C140	Betterments & Backcharges	788,848				f -		In Neg – Most issues resolved	Will discuss shortly
LA-CRA	C510	105th Street Pedestrian Crossing	378,000	376,000			1		Agreed	Waiting on real estate
	C510	105th Street Land leaves	250,000				ļ		CRA appraisal scheduled 3/92	RE to write up zoning review
LA-DPW	C117	Flower St. Improvements	2,148,803				}		Meeting soon	Revise attorney letter
	C140	8" Sewer Relocation	500,000						In Negotiation	Walting for DPW analysis
	C140	Roof Orains	160,000				1		In Preparation	
LA County	F208	Florence-Graham Park-N-Ride	400,000				}		Developing cash out strategy	j
•	F208	Graham Avenue Widening	TBD							Monitoring TIA action
So Cal Edison	C325	Install Duct Bank at PCH	19,114	19,114	19,114		19,114	0	Collection Imminent	Track Invoice progress
SCRTO	H812	Maintenance Parts	70,000	70,000	70,000		70,000	O	RTD wants to Include In	Will be negotiated in start-up W/O closeout
	WorkOrders	Blue Line Work Order Closeouts #1*	13,428,331	8,660,505		8.880,505	0.56020.560		RTD responded on schedule	Close remainder, Review for
	WOLKO IGOIS	Blue Line Work Order Closeouts #2	3,798,340	3,000,000		W. 55 (1980)			Balance of RTD work orders	backcharges and betterments
-		Amount of the Common and the Common	************************************	aci (1996-1866) i 1900-ii	educerende alema	80.00000 - c. 3.0 0	Length tree trees a	al, Arthropolica despitado	are in clossout process	ALTERNACIONALI DE LA CONTRACTOR DE LA CO
SPTC	C415/F208	Firestone Bridge	830,000	830,000	830,000	783,078	46,922	Ö	Collection Imminent	Track invoice progress
	C510	105th Street Ped Crossing	17,700			-	į.		Agmt at SPTC	Awailing SP response on 105th
	C510	SPTC Share - Caldwell Ave. Ped Xing	32,550	32,550	32,550		32,550	0	Collection Imminent	Track Invoice progress
CNA Insurance	Various	Errore & Omissions	13,368,055						In Process	
		BLUE LINE TOTALS	51,940,833	18,830,542	7,876,874	15,870,748	666,633	0		
RED LINE										
LA-BSL	A185	7th Street Streetscape	300,000				1		Addi bitimnie to be disquesed	Analyze amount of claim
SCTRD	A165	Duplicate indirect Costs	4,400,000	Credit due Re	d Line from R	TD	}		In proc - Acknowl by RTD	
		RED LINE TOTALS	4,700,000	0	0	0	0	0		

^{*} Release of LACTC obligations rather than cash recovery. Funds to be restored to Blue Line project budget,

LACTO COST RECOVERY STATUS REPORT

as of 1/31/92

Agency	Contract	Description	Claim Amount	Agreed Amount	Invoiced	Pai d	Unpaid Balance	Unbilled Balance		Action Items	
OTHER LINES	00.17.001		7								
TIA (Argonaut insurance	cei	Refund, W/C inspressiums	2,052,000	2,052,000	2,153,207	2,153,207	0	(101,207)	Refund larger than estimated		
Various	-	Refund, Gen Liab ins premiums	490,000	490,000	247,417	247,417	0	242,583	A/R after ins Co rate gudit		
Glendale		Route Refinement Study	75,000	75,000	57,181	57,181	0	17,819			
Lawndale		Costal Corridor Study	16,800	16,800	16,800	16,800	0	0			
Pasadena		Route Refinement Study	150,000	150,000	104,788	104,786	0	45,214	Billed as Bechtel bills LACTC		
Redondo Beach		Costal Corridor Study	7,000	7,000	7,000	7,000	0	ó			
Torrance		Costal Corridor Study	46,200	46,200	46,200	46,200	0	0	İ		
	64K576	LAUPT Access Study	200,000	200,000	149,302	147,809	1,493	50,698			
		OTHER LINE TOTALS	3,037,000	3,037,000	2,781,893	2,780,400	1,493	255, 107		1	
			1			اجبيمت		000 447	ı <i>'</i>	ı	
TOTAL CLAIMS IN			59,677,833	19,887,642	10,658,787	18,651,146	668,120	255,107	ĺ		
TOTAL CLAIMS REC	COVERED	(See Page 3)	4,968,232	4,735,581	4,735,581	4,735,681	0			<u> </u>	
GRAND TOTALS			04,646,065	24,603,125	15,394,348	23,386,727	688,128	255,107		I	

NOTES

NOTE 1 - MC-6

January changes shaded

COURTESY BILLINGS FOR WILLDAN ASSOCIATES involving MC-5 projects bified to LA County, through LACTC, on behalf of Compton

		Authorized	Willdan Charges	Invoiced	Paid	Unpaid Batance	Available	Statusc	Action Items
	West Alameda Underpasa	702,660	567,176	567,178	567,176	0	135,484	In progress	
	Administration Charges			10,050	0	10,050		Negotiation with Cmptn started	Set mig with Hanson
	Mealy St - Environmental Assessment	87,699	84,284	84,284	84,284	0	3,415	Completed	
	Administration Charges			1,320	0	1,320		Negotiation with Cmptn started	Set mig with Henson
	SUBTOTALS	790,359	851,480	662,630	851,460	11,370		,	
FUNDING FOR COME	PTON for its MC-5 share	•	•						
	,	Original			Į	Unpaid		1.	
	Grant	Amount	Drawdowns	Involced	Paid	Balance		<u> </u>	
	FWHA (C421)	5,983,498	2,995,590	2,995,590	2,995,590	0			
	LA County (C420 & other MC-5)	5,500,000	2,195,323	2,268,790	1,780,113	486,877			l
	Chevron Oil Relocation	Į		415,210	}	415,210		LA Co reviewing oblig to pay	Waiting for LA Co response
	C420 Design Support & Const Mgt			100,000		100,000		Preparing claim	Assemble backup documen
	SUBTOTALS	11,483,498	5,190,913	5,262,380	4,775,703	486,677	İ		
			5,842,373	5,925,210	5,427,183	498,047		1	•

OTHER MC-5 ISSUES

Owens Corning / Mealy Street Spur 80,0

Contingent on MC-5 complete | Bill on completion

LACTC COST RECOVERY STA: JS REPORT

January changes shaded

Page 3

CLAIMS RECOVERED

			Claim	Agreed			Unpaid	Unbilled		1
Agency	Contract	Description ·	Amount	Amount	Invoiced	Paid	Balance	Balance	Status	Action Items
BLUE LINE_			1							
CalTrane	C415	Firestone Bridge	458,000	456,000	456,000	456,000	0	0	Cash Collected (7/91)	1
	C415	Firestone Bridge - Indirect	232,651	0	0	0	0	0	Payment capped at \$456,000	
Compton	F202	MC~5 Administration Cost	345,874	345,874	345,874	345,874	0	0	Cash Collected	
	C510	SPTC/Watson Land	24,117	24,117	24,117	24,117	0	0	Cash Collected (7/91)	
	C510	SPTC/Right-of-Way Acquilition	106,984	108,984	106,984	106,984	0	0	Cash Collected (7/91)	
LongBeach	C335	LB Station Superstructures	415,000	415,000	415,000	415,000	0	0	Cash Collected (9/91)	
LA-BSL	C148	Supplemental Agreement	259,000	259,000	259,000	259,000	0	0	Cash Collected (3/91)	İ
LA-CRA	C510	Century Blvd, Grade Crossing	544,052	544,052	544,052	. 544,052	0	0	Cash Collected	3
LA-DWP-W	C140	HJO Repairs - Faulty DWP Joints	17,500	17,500	17,500	17,500	0	0	Cash Collected (8/91)	
Simmone Cable TV		Install Duct Bank - 10th St, & LB	6,084	6,084	6,084	6,084	0	0	Cash Collected	
SCRTD	F815	Central Control Facility	1,580,000	1,580,000	1,580,000	1,580,000		0	Cath Collected	
	FB16	7th & Flower Sta, Ref of Ins Prem	655,970	655,970	655,970	655,970	o		Cash Collected	
United Logistics		K-Line Spur	325,000	325,000	325,000	325,000	0	0	Cash Collected	
	-	BLUE LINE TOTALS	4,968,232	4,735,581	4,735,581	4,735,581	0	0		

LEGEND

Open. Action still required.
Completed or Not Applicable

CONTRACT CLOSE OUT STATUS METRO BLUE LINE

			CLOS	E OUT STA	TUS .			== 0
CONTRACT	DESCRIPTION	CLAIMS/ CHANGE ORDERS	FINAL PROG. PAYMENT	FINAL RELEASE	FINAL ACCEPT. CERTIF.	EQUIP. FINAL DELIV.	. COMMENTS	PROJECTED CLOSE-OUT DATE
H840	Fare Collection						Board Approval Competed;GFI Submittals Do	Mar. 92
P851	Hi-Rail Trucks						Awaiting Delivery of Truck	Mar. 92
C355R	Long Beach Landscaping	0					Transferred to RCC	May 92

METRO PASADENA PROJECT JANUARY 1992 STATUS REPORT

EXECUTIVE SUMMARY

The Pasadena Team completed negotiations with the Engineering Management Consultant (EMC) for conducting Preliminary Engineering of the project from Union Station Platform #1 to the Los Angeles River. Twenty nine discreet tasks were identified and budgeted as unique activities. Performance will be measured monthly based on the extent of each tasks level of completion.

Working closely with the Area teams, the Pasadena project staff continues to make progress finalizing Yard and Shops locations, defining interface requirements with the Glendale Line, and closing station location and Grade Separation issues with the City of Pasadena. Liaison with the Commuter Rail team has been maintained in an effort to effectively coordinate our respective alignments.

The City of Pasadena requested that a plan check review of a proposed Civic Center West development be undertaken by the RCC. A portion of the development would be constructed over the Santa Fe Right of Way, utilizing a box structure configuration for the Pasadena alignment. With considerable support from the EMC, the RCC presented a list of concerns and provisions which must be included as part of the box structure design in order to accommodate the LRT project.

AREAS OF CONCERN

ONGOING

Concern: Location of the Yard and Shops in the Taylor Yard Site is

operationally disadvantageous and could have an impact on the

project budget.

Action: The Cornfield Site is under investigation by the

Project/Area team.

Status: The EMC continues to refine the yard layout at the Cornfield Site.

A preliminary cost comparison between the Taylor Yard and Cornfield Site was presented to Ed McSpedon on 1/31. A PMIC

agenda item will be presented in March to obtain approval to commence EIR studies on four alternative locations (Taylor, Cornfield, Burbank/Glendale, and a non-revenue connector to the Long Beach Maintenance Facility).

Concern:

The Civic Center West Development, a portion of which will be constructed over the Santa Fe Right of Way is projected to begin construction by the third quarter of 1992. Approval by the City of funding one-half of the cost of performing grade separation preliminary engineering indicates their preference for this option over an at grade alignment over Colorado Boulevard. This differs markedly from the developers plans which are based on an at grade alignment. If grade separation became the eventual method of construction, Janss Development would have to dramatically change their design.

Action:

The Pasadena team has reviewed the developers plan check drawings and provided comments regarding the LRT operational and safety requirements which must be satisfied.

Status:

The developer (Janss Corporation) will prepare a response to RCC concerns. Follow up meetings will be scheduled throughout the month of February and beyond until a final consensus design scheme is reached.

KEY ACTIVITIES - JANUARY

- Negotiations for Preliminary Engineering were completed with the EMC on 1/16/92.
- The Preliminary alignment drawing from LAUPT to the Maintenance yard was completed by the EMC and submitted on 1/16/92.
- RCC approved the consultant selection process to be used by the EMC 1/24/92.
- OCIP Proposals were received from eight firms. Evaluation of each of the proposals is underway.
- The baseline schedule for Preliminary Engineering was presented to the RCC on 1/31/92.
- The EMC began preparation of the System Operating Plan and Design Concepts Report scheduled for completion in February 1992.

KEY ACTIVITIES - PLANNED FOR FEBRUARY

- Submission of the draft System Operating Plan scheduled for 2/18/92.
- EMC to submit the draft Design Concepts Report to the RCC on 2/18/92.
- The RCC Real Estate Department will present a video presentation of the list of candidate parcels as shown in the EIR drawings on 2/11/92.
- Systemwide Errors and Omissions insurance proposals are scheduled to be received on 2/28/92.
- Continue the review of the Civic Center West drawings to ensure all LRT interface requirements are met.
- Submit RCC position on the Master Cooperative Agreement with the City of Pasadena to the City on 2/18/92.

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EXECUTIVE SUMMARY

COST STATUS (in \$ millions)

•	Current Budget	/16
•	Current Forecast	786
•	Project Expenditure	163
•	Project Commitments	343

SCHEDULE STATUS

•	Current Revenue Operat	May, 1995	
•	Design Progress	- Plan - Actual	100% 99%
•	Construction Progress	- Plan - Actual	20% 17%

- The Metro Green Line Master Schedule was revised during January, 1992 to incorporate the recently approved Revenue Operation Date of May, 1995.
- Notice to Proceed for Contract H1100 (Automatic Train Control) was issued on January 13, 1992 to Union Switch & Signal and subsequently a temporary stop work order was issued.
- Notice to Proceed for Contract P1900 (High Performance Transit Vehicles)
 was issued on January 13, 1992 to Sumitomo and the contract was
 terminated for convenience on January 16.

REAL ESTATE

	Number of	Number of Parcels	Parcels Not Available	Parcels not Available (Behind Schedule)			
			(On Schedule)	Number	Avg. Days Behind		
This Month	40	39	1	0	0		
Last Month	40	39	1	0	0		

AREAS OF CONCERN

ONGOING

Vehicle Delivery/Integrated Testing Conflict

Concern:

With the January 16, 1992 termination of Contract P1900 (High Performance Transit Vehicles) and the temporary suspension of Contract H1100 (Automatic Train Control), the control line testing scheduled to start in January, 1994, will have to be performed using substitute vehicles. Furthermore, the first two Metro Green Line vehicles will not be available for systems integrated testing. Consequently, a workaround has to be developed to use alternate vehicles for much of the control line and integrated testing.

Action:

The H1100 (Automatic Train Control) contractor will be directed to initiate testing using alternate vehicles. Integrated test plans will address the workaround.

Status:

Addendum 5 to Contract H1100 (Automatic Train Control) documents has provided the option of using alternate vehicles should the need arise. In order to use the alternate method for testing, the ATC contractor will have to submit plans incorporating this for review and approval.

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

Concern:

Bids were opened on January 9, 1992. The current contract duration is 300 calendar days with no mention of early access for the LRT portion. This will deny site access to the trackwork contractor on November 2, 1992, the date given in the Contract C0600 documents. The delayed trackwork installation will impact the follow-on systems contracts and will potentially cause delay damage costs.

Action:

The LRT special provisions for establishing a November 2, 1992 rail access date were not included in the bid documents. OKA will review the possibility of adding the provisions by change order or accelerating the guideway construction from the crossover at the west end of the Norwalk station to the west end of the project.

Status:

OKA is awaiting award of the contract and review of potential extra costs.

SCE Power Lines/Contract C0100 (Aerial Guideways) Conflict

Concern:

SCE has begun work related to raising their electrical transmission lines by installing new and taller towers at the Kramer property area. One guideway foundation (Bent 97) could not be constructed by the Contract C0101 (Foundations and Utilities) contractor due to the existing power line height conflicts, and has been removed from that contract's scope of work and added to Contract C0100. As the SCE line/tower raising work is scheduled to take approximately six months with completion presently set for May, 1992, a conflict exists with the Contract C0100 contractor's scheduled activities at this area.

Action:

This matter is being discussed and reviewed at each monthly SCE/RCC/OKA coordination meeting.

Status:

OKA and the RCC are monitoring SCE closely in an attempt to coordinate a window for Contract C0100's construction to take place during SCE's scheduled activities.

Caltrans Permits

Concern: Caltrans encroachment "double" permits (one by the RCC and one by the

contractor) are required for each project working on Caltrans right-of-way. The first requirement is for Contract C0600 (Century Trackwork Installation). The permit is being held up due to Caltrans concerns over the stray current issue. A provisional permit for survey work and ballast installation (except

at the bridges) has been issued for Contract C0600.

Action: The RCC negotiated with Caltrans and recommended execution of a

Contract C0600 option and/or change order. The RCC will apply for all

other permits.

Status: Contract C0600 action awaits the results of the RCC's negotiations with

Caltrans. A list of other contracts requiring permits was compiled and given

to the RCC by OKA.

Rosecrans Bridge Falsework

Concern: The Rosecrans falsework submittal has been approved. However, the two

central span falsework portions adjacent to Bents 119 and 120 which may be situated above Chevron gas lines will be in violation of a California state law that prohibits any construction or obstruction adjacent to any hazardous

liquid pipeline easement.

Action: The RCC has reviewed the two options presented by OKA in January and

has directed OKA and TRANSCAL to implement the option in which the cast-on-falsework of the main span will be reduced and instead two

segmental cantilever sections will be added.

Status: Redesign of the effected sections of the bridge is underway by TRANSCAL

and is expected to be available in early February, 1992.

NEW

Outstanding Remedial Work: Projects CT037 (La Cienega to Inglewood), CT044-1 (Santa Fe to Atlantic), CT046 (Vermont to Main) and CT047 (Atlantic to Garfield)

Concern:

It has been noted that there are bent anchor bolts, incorrect anchor bolt sizes, lack of anchor bolt protection, lack of proper grounding, conduits not mandrelled and lack of continuity straps in the above Caltrans projects. The outstanding remedial work if not completed in a timely manner could impact the follow-on systems Contracts H1200 (Traction Power Supply System) and H1400 (Overhead Contact System).

Action:

In Project CT044-1, the outstanding items were given to Caltrans as part of the punchlist requiring completion prior to LRT turnover. The Caltrans Resident Engineers on Projects CT037, CT046 and CT047 have been informed of the deficiencies.

Status:

Per Caltrans, corrective actions will be taken before final acceptance of the projects. This course of action will be monitored against Contracts H1200, H1400 and C0600 (Century Trackwork Installation) schedule requirements.

impact of Vehicle Dimensional Data Delay on Contract C0400 (Hawthorne Yard and Shop)

Concern:

Contract C0400 is preparing submittals for the vehicle pit excavation located in the Hawthorne Shop. Work related to these pits is scheduled for the early stages of shop construction (April and May, 1992).

Action:

RCC/TRANSCAL is to forward to the C0400 contractor all the preliminary vehicle data necessary to excavate and construct the vehicle pits as soon as the information becomes available.

Status:

Evaluation of the vehicle data is currently underway at the RCC.

KEY ACTIVITIES -- January

- Contract H0901 (Platform Intrusion Detection System) was advertised for bids and bid opening was put on hold.
- Caltrans opened bids for Project CT043-2 (I-105 to Studebaker).
- Contract C0101 (Foundations and Utilities) reached completion milestone.

KEY ACTIVITIES -- Planned for February

Contract C0501 (Systems Facilities Sites) will be advertised for bids.

Page: 1 Report Oate: 02/13/92 Status Oate: 01/31/92

O'BRIEN-KREITZBERG RCC Project: R23

RAIL CONSTRUCTION CORPORATION METRO GREEN LINE - NORMALK/EL SEGUNDO Project Cost by Element

[\$ x 000's]

		Budg	et	Commit	ments	Incurred	d Cost	Expendi	itures	Current	
	<u>Description</u>	<u>Original</u> [1]	Current (2)	Perjod (3)	<u> </u>	Period [5]	To Oate (6)	Period [7]	To Date (8)	Forecast (タ)	Var lance [9-2]
T	Construction	470, 192	562,614	456	208,320	3,795	64,528	4,977	58,692	561,131	(1,483)
\$	Professional Services	108,562	108,562	574	101,678	4,310	88,221	2,747	81,335	179,835	71,273
R	Real Estate	36,927	29,232	67	23,565	144	22,645	144	22,651	29,232	0
F	Utility/Agency Force Accounts	7,656	10,500	71	6,149	102	644	108	786	10,500	0
D	Special Programs	4,676	4,790	11,210	12,212	. 8	170	11	93	4,790	0
c	Contingency	59,613	14,100	0	0	0	0	0	0	14,153	53
A	Project Reverue	(16,626)	(13,798)	0	(8,649)	0	(559)	0	(559)	(13,798)	0
	Project Grand Total :	671,000	716,000	12,378	343,275	8,359	175,649	7,986	162,997	785,843	69,843

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

18-Feb-92 08:08 AM

JANUARY 92

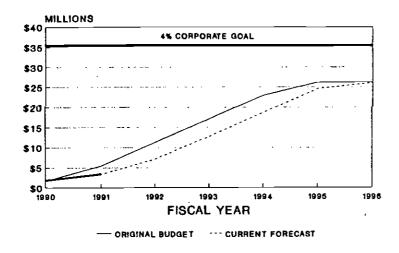
STATUS OF FUNDS BY SOURCE

	TOTAL FUNDS	TOTAL FUNDS	COMMITM	ENTS	EXPENDIT	URES	BILLED TO SOL	JRCE
SOURCE	ANTICIPATED	AVAILABLE	.\$	% 	\$ 	%	\$ 	%
LACTC	\$778,500	\$110,908	\$267,884	34%	\$162,997	21%	\$162,997	21%
STATE	\$107,500 (1)	\$0	\$0	0%	. \$0	0%	\$0	0%
TOTAL	\$886,000	\$110,908	\$267,884	30%	\$162,997	18%	\$162,997	18%

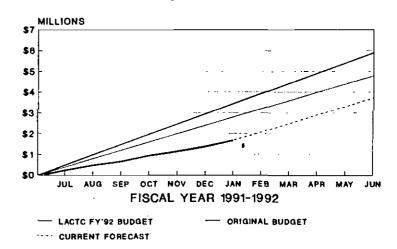
NOTES:

(1) On hold. No requests for funding from the State have been processed.

AGENCY COSTS GREEN LINE



FISCAL 1992 AGENCY COSTS GREEN LINE



PROJECT AGENCY COSTS GREEN LINE (\$000)

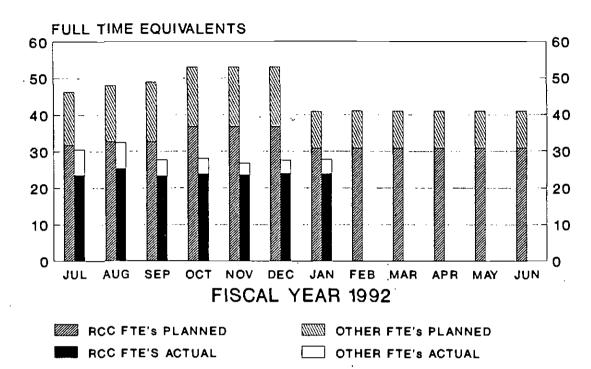
TOTAL PROJECT BUDGET	\$886,000
ORIGINAL BUDGET	\$26,189
BUDGET % OF TOTAL PROJECT	3.0%
CURRENT FORECAST	\$26,084
FORECAST % OF TOTAL PROJECT	2.9%
4% CORPORATE GOAL	\$35,440

FISCAL YEAR 1992 AGENCY COSTS GREEN LINE (\$000)

LACTC FY'92 BUDGET	\$4,781
ORIGINAL BUDGET	\$5,833
CURRENT FORECAST	\$3,712
ACTUAL \$ TO DATE	\$1,660

Revised forecast as of December 1991.

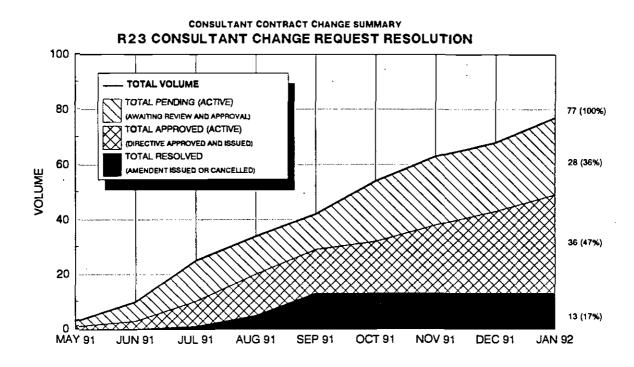
STAFFING PLAN VS. ACTUAL GREEN LINE



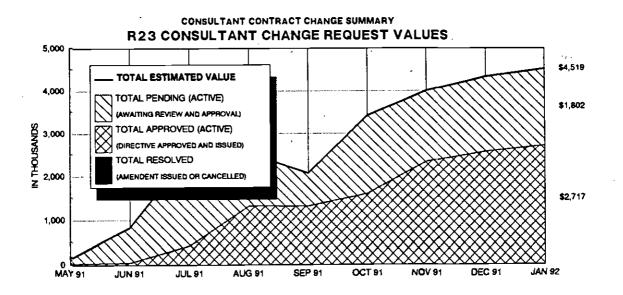
FY'92 Amended Budget implemented JAN'92

GREEN LINE STAFFING PLAN FISCAL YEAR 1992

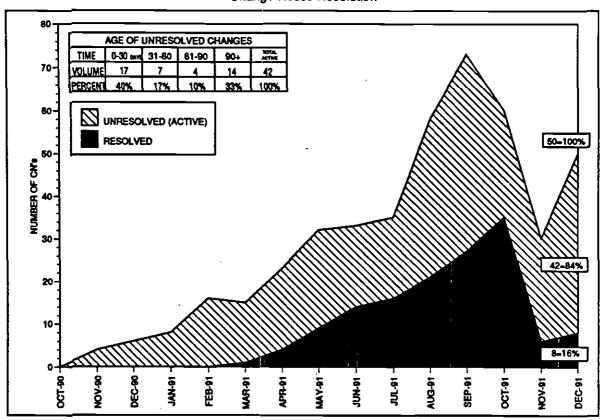
BUDGET WAGE RATE (\$/HOUR)	\$39
ACTUAL WAGE RATE (\$/HOUR)	\$41
RCC FTE's PLANNED RCC FTE's ACTUAL	31 24
OTHER FTE'S PLANNED OTHER FTE'S ACTUAL	10 4
TOTAL FTE'S PLANNED TOTAL FTE'S ACTUAL	41 28



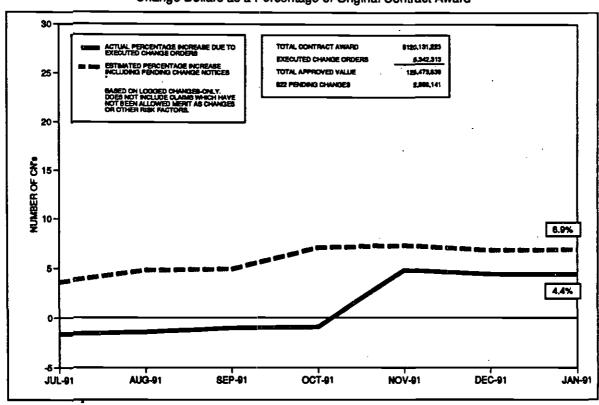
AGE OF UNRESOLVED CONSULTANT CHANGES								
TIME	0-30 DAYS	30-60 DAYS	80 DAYS 61-90 DAYS OVER 90		TOTAL ACTIVE			
VOLUME	7	7	9 41	64				
PERCENT	11%	11%	14%	64%	100%			



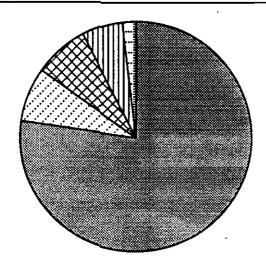
CONSTRUCTION/PROCUREMENT CONTRACT CHANGES Change Notice Resolution



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



CONSTRUCTION/PROCUREMENT Change Volume and Cost By Cost Level



CHANGE BASIS VOLUME TOTAL AS OF 12/27/91 = 53

CHANGE VOLUME ABSOLUTE VALUES

41 75.93% <25,000

4 7.41% 🔆 <50,000

7.41% 🚫 <200,000

3 5.56% >200,000

1 1.85% >1,000,000

CHANGE COST ABSOLUTE VALUES

\$311,075.49

<25,000

\$77,229.98

\$414,863.00

<200,000

(\$1,250,375.00)

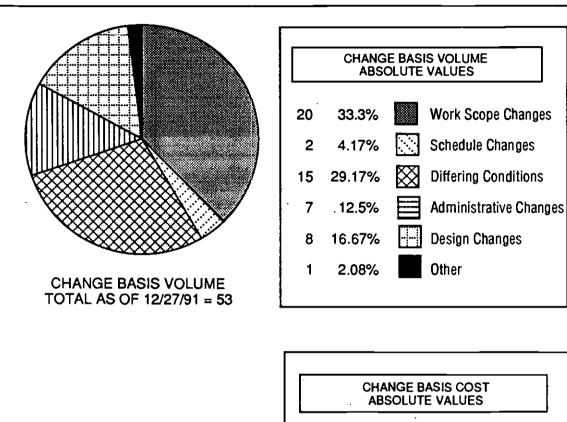
<u>□</u> >200,000

\$\$5,788,000.00

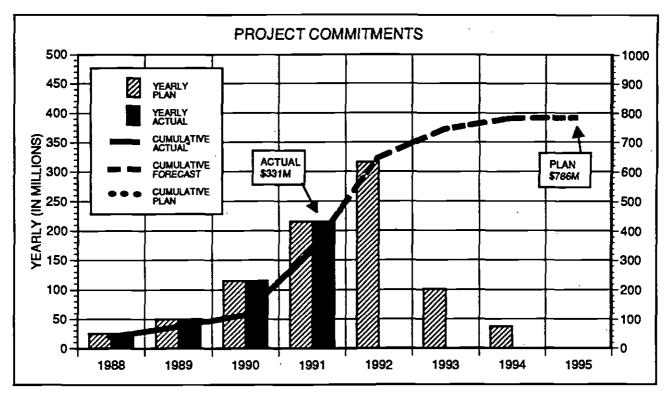
>1,000,000

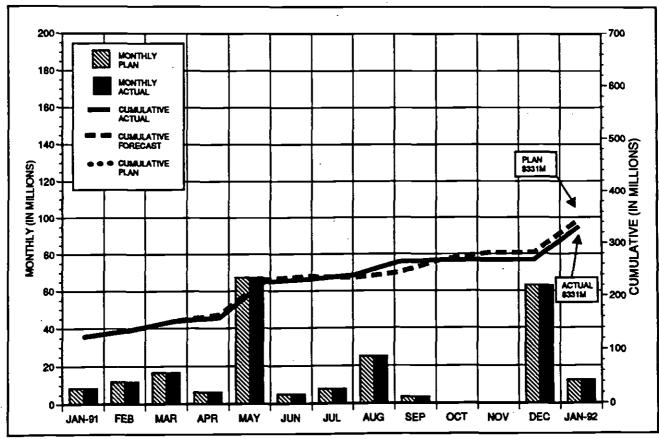
<50,000

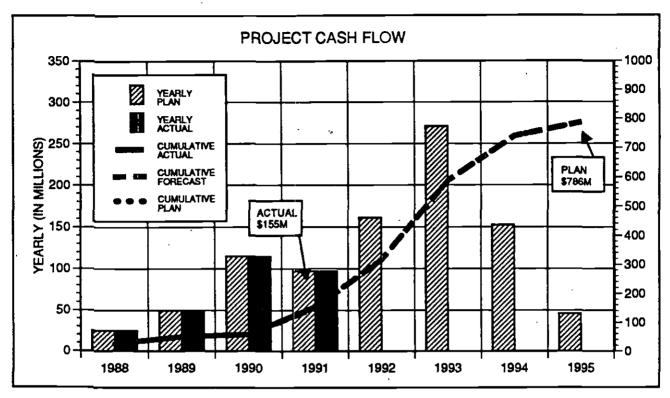
CONSTRUCTION/PROCUREMENT Change Volume and Cost By Change Basis Type

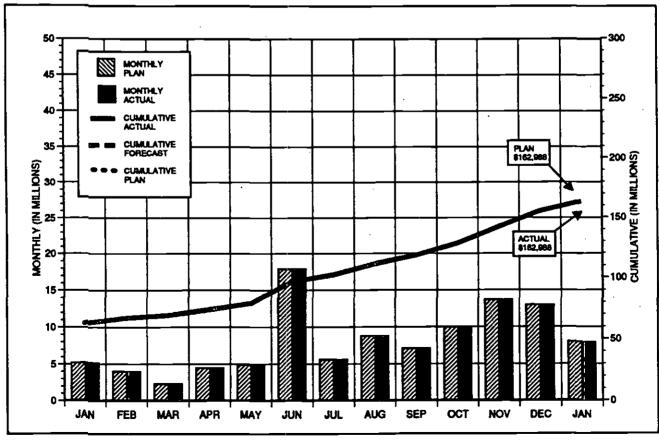


CHANGE BASIS COST ABSOLUTE VALUES (\$90,114.41) Work Scope Changes \$10,685.00 Schedule Changes \$6,176,065.34 Differing Conditions (\$267,371.71) Administrative Changes (\$647,768.75) Design Changes \$159,298.00 Other

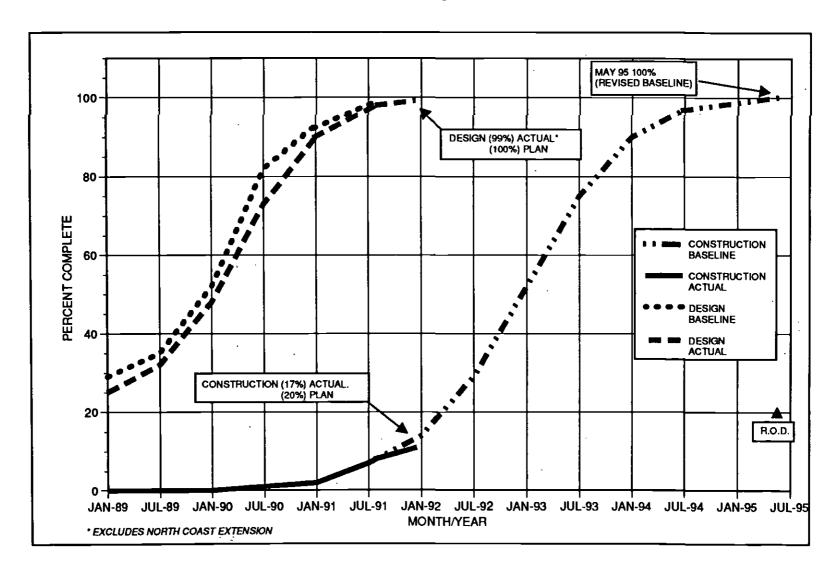


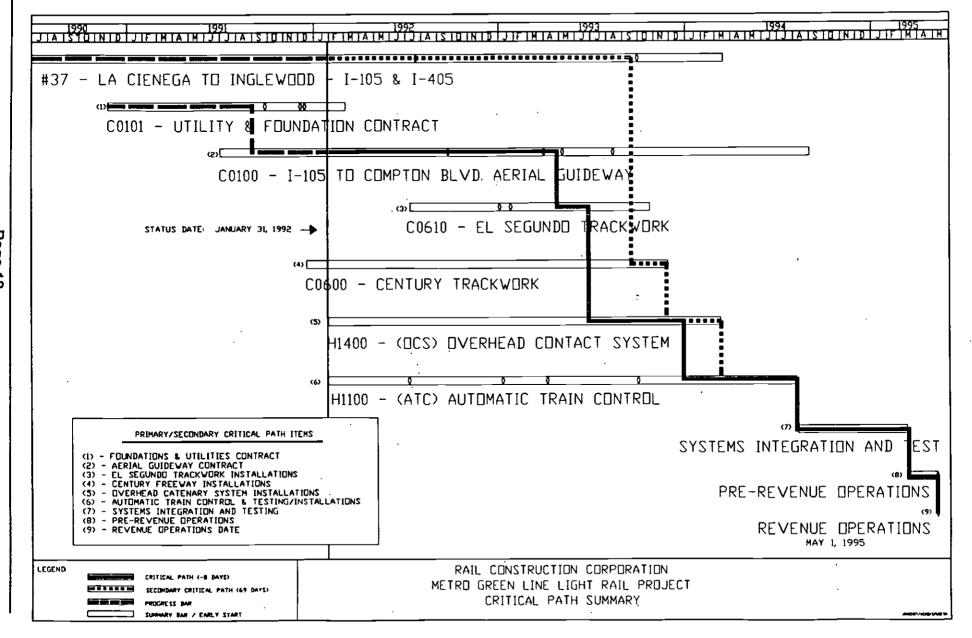




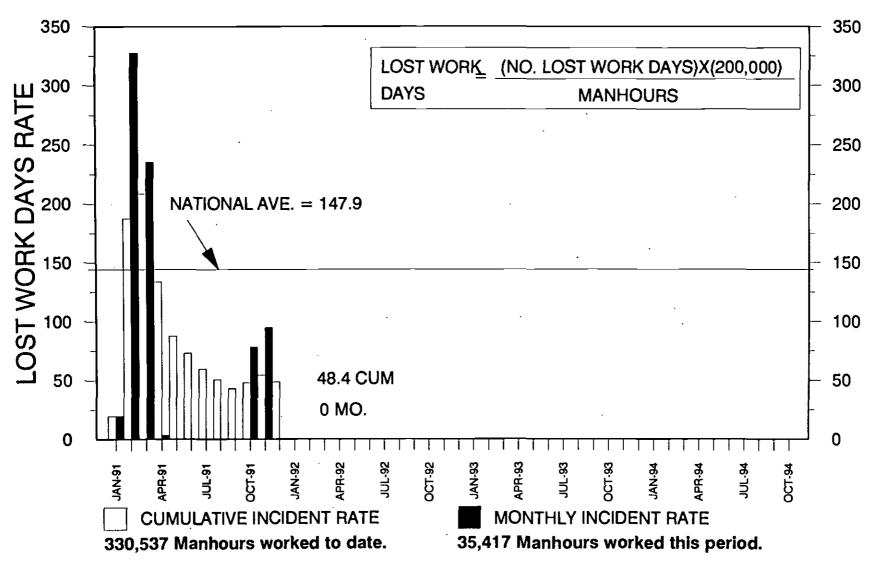


PROGRESS SUMMARY

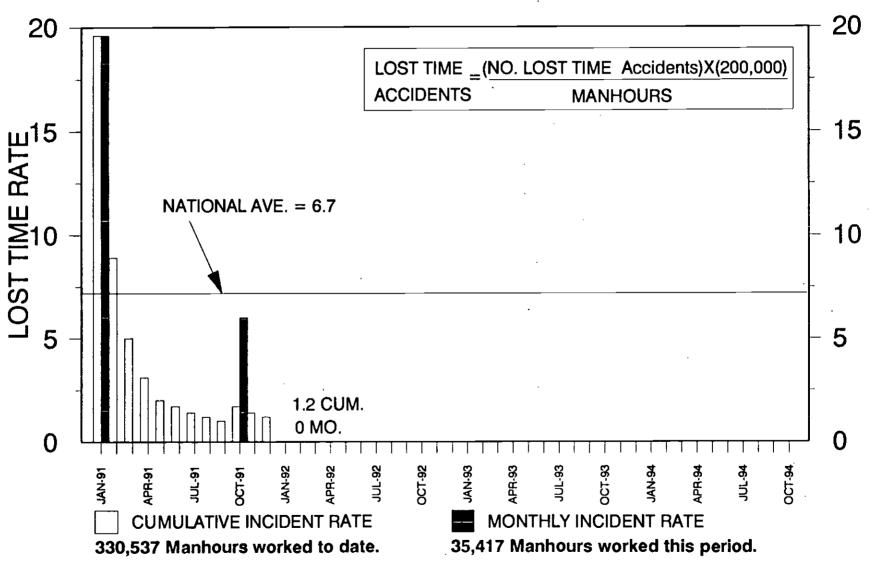




METRO GREEN LINE PROJECT SUMMARY OF LOST WORK DAYS (SEVERITY)



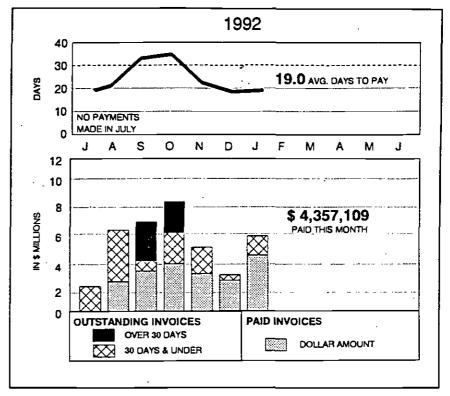
METRO GREEN LINE PROJECT SUMMARY OF LOST TIME ACCIDENTS (FREQUENCY)



INVOICE PROCESSING

- The average time taken to pay invoices for Construction and Procurement contracts (including Insurance) was 19.0 days.
- 9 invoices were paid for a total value of \$ 4,357,109.
- There was 1 outstanding Construction or Procurement invoice under 30 days old for \$ 1,499,133.
- 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 3	0 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
OCT 1991	2	2,334,769	10	2,271,025	12	3,566,036	3	8,800
NOV 1991	5	1,953,086	l ol	0	15	4,892,586	6	105,454
DEC 1991	1	413,186	. o	0	13	406,258	8	107,071
JAN 1992	1	1,499,133	0	0	13	2,147,064	8	58,882
						_	_	

EXECUTIVE SUMMARY

COST STATUS

		in \$ million
•	Current Budget	1,450
•	Current Forecast	1,450

• The January Construction Forecast increased primarily due to anticipated costs associated with the Contract A145 final claim negotiations, resolution of several smaller claims issues, Stage II electrical work and Contract A167 offsite corrective work. The January Professional Services Forecast increased due to additional High-Point Schaer claims support.

SCHEDULE STATUS

•	Current Revenue Operat	June 1993		
•	Construction Progress	- Plan	94%	
•		- Actual	93%	

 The A640 contract schedule incorporating F&EM system reconfiguration (CN 224) shows an expected finish date of November 30, 1992. The ROD of June 1993 is still supported and 38 days of total float remain in the Project schedule.

SAFETY STATUS

 The Safety Training Program implemented for third rail activation has trained over 1700 Project personnel from the RCC, Parsons-Dillingham, CAL-OSHA, MRTC, High-Point Schaer and the contractors. Auditing of established procedures and compliance to these procedures continued in addition to monitoring contractor safety activities for all contractor work shifts.

EXECUTIVE SUMMARY (CON'T)

REAL ESTATE

 All of the real estate required for Segment 1 construction is available under ownership by the Rapid Transit District or under a right-of-entry. Currently, seven parcels are in the final acquisition process.

RAIL ACTIVATION

The Rail Activation Group continued coordination and management activities related to systems integration, testing and commissioning activities for the Project.

Activities

During the reporting period, the activities of the Rail Activation Group included the following:

- Continued review of training schedule and availability of associated materials.
- Prepared plan to incorporate training not originally defined in Facilities and Yard/Shops contracts for submission to RCC.
- Continued support of Breda vehicle testing at TTC Pueblo, Colorado.
- Conducted "live" Metro-Dade Transit vehicle test runs in AR tunnel from Main Yard to Wilshire/Alvarado Station, 16 and 20 January.
- Conducted "live" Metro-Dade Transit vehicle test runs in AL tunnel from Main Yard to Wilshire/Alvarado Station January 29, 1992.

Future activities will focus on:

- Delivery and in-Yard testing of Breda vehicle.
- Evaluation of contracts not requiring training for submission to the RCC.
- Refining recruitment and training plan to ensure support of Project requirements.
- "Live" Metro-Dade Transit vehicle testing in tunnels.

AREAS OF CONCERN

ONGOING

Contract A650, Vehicles (Booz Allen Hamilton)

Concern:

The delivery of vehicles in time for systems testing is a concern for

maintaining the Project schedule.

Action:

The Rail Construction Corporation (RCC) has developed a plan which would alter the vehicle testing sequence at the Transportation Test Center (TTC) in Pueblo, Colorado, to release the first pair of vehicles directly to Los Angeles by the dates required to support systems testing.

The RCC has also developed a plan for modification and use of four vehicles from the Metro-Dade Transit System (Miami) in order to support

the integrated testing program.

Status:

The Metro-Dade Transit vehicles arrived as scheduled in November 1991 to support integrated testing. A married pair of vehicles has been used to test shoe/contact rail interfaces, and tunnel clearance in both the AR and AL tunnels.

Planning for initiation of endurance testing at the Transportation Test Center (TTC) in Pueblo, Colorado, is proceeding. Subsequent deliveries to Los Angeles are expected in early February. Deliveries to Los Angeles of production vehicles directly from Italy are under review.

Contract A640. Communications

Concern:

Completion of the design review of the technical proposal submitted by the A640 contractor, Bechtel, for the Rail Control Center relocation to the Central Control Maintenance Facility (A640-CO-025) is behind schedule.

Action:

A "Fast Track" team has been organized to pursue completion of the

relocation.

Status:

This activity is no longer on the critical path. The Fast Track team has been successful in keeping the relocation progressing. The required equipment for the Control Center has been ordered. Installation activities related to the Rail Control Center relocation are progressing.

AREAS OF CONCERN (CON'T)

Negotiations to finalize Change Order A640-CO-025 are ongoing and will be completed by the end of February.

Contract A640, Communications

Concern:

Procurement of the fire and emergency panels equipment has been delayed due to the submittals review and acceptance process. This delay could potentially impact the Project schedule.

Action:

Parsons-Dillingham has taken the following mitigating actions:

- Worked with MRTC/RCC to expedite design submittals
- Directed contractor to procure critical items; scheduled remaining procurements
- Met with contractor to target issues and obtain commitment to maintain schedule
- Worked with the contractor to make up the time lost
- Established a Quick Response Team Task Force to review design changes and incorporate them immediately
- Developed a mitigation plan which includes resequencing of work

Status:

A manloaded schedule is being used to track and manage the critical path items. Design requirements for Fire and Emergency Management throughout the system have been established, pricing and design data (CN 224) was issued in late November.

The complete impact of CN 224 is now being evaluated. As a result, a formal Change Notice has been defined and issued to Bechtel. There still exists a high level of confidence that all contractual milestones will be met.

Analyses were conducted of Bechtel's proposed schedules which show impacts of CN 224 to the A640 contract schedule. A recommendation was made of an acceptable mitigated schedule to be incorporated into the Project schedule. Negotiations are ongoing and expected to be completed in February.

AREAS OF CONCERN (CON'T)

Contract A640, Communications

Concern: Installation of additional radiax cable throughout the tunnels to support

LAPD radio frequencies. Costs of this undertaking could directly impact

contingency funds.

Action: Review of alternate design concepts are under study to provide data

allowing for the determination of cost and schedule impacts to Contract

A640.

Status: The police radio system requirements are currently under review by the

Contractor and the Resident Engineer for Contract A640, and are expected to be completed by mid-February 1992. Tests will be conducted in February to determine if additional radiax cabling can be

avoided through system reconfiguration.

Contingency Drawdown Rate

Concern: The rate of contingency drawdown is causing concern as projections

based on the current rate indicate a possible depletion of the

contingency fund prior to Project completion.

Action: Continue to identify and mitigate forecast increases, where possible.

Also, Change Orders and Change Notices in the change control data base have been prioritized, and a process developed to manage

backchargeable items to their final resolution.

Parsons-Dillingham completed a comprehensive analysis of the Estimate

at Completion for all Segment I contracts.

Status: Staff has been dedicated to analyze individual Change Notices and

Change Orders for cost recovery potential. The Construction Manager has completed an extensive review and identified potential construction contract backcharges. Refinement of this backcharge data base is continuing. The contingency drawdown trend over the past 2 months has improved. However, this issue still warrants concern and continues

to be closely monitored.

AREAS OF CONCERN (CON'T)

Increase In Change Notice Backlog

Concern: An increase in Change Notice backlog as a result of electrical/

mechanical interface issues.

Action: The construction manager has increased the estimating staff to mitigate

the Change Notice backlog increase on all facilities and systems

contracts.

Status: Efforts have been prioritized to identify and decrease the Change Notice

backlog. Meetings have been held with the Resident Engineers and Contract Administrators to identify and schedule possible completion dates for outstanding CN's/CO's. A system to monitor the quantity of new CN's initiated weekly has been developed. Mitigation efforts include redirection of available Contract Administration personnel to both systems and facilities contracts, and a Change Order package checklist

has been developed to ensure accuracy and completeness.

RESOLVED

Contract A147, Civic Center Station, Stage II and Contract A157, Pershing Square Station, Stage II

Concern: The fire dampers located in the cross passages are inconsistent with the

fire rating of the surrounding walls.

Action: Analyze damper fire rating requirements in accordance with

specifications.

Status: A corrective design has been determined and a procurement and

construction schedule for completion of work is being developed.

Corrected design work will be carried out by the contractor.

FTA PROJECT MANAGEMENT OVERSIGHT CONSULTANT ITEMS FOR RCC ACTION

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

ONGOING NONE

NEW

December 1991 Resolution of CPCNs to COs

Concern: Number and dollar values of CPCNs is continuing to rise.

Action: Recommended that the administration staff be increased.

Status: Discussions with Hill International have indicated that the number of new

CPCNs has dropped significantly. Further, it would not be acceptable to increase the staffing at this point in the contract. It was agreed that the situation would be watched for the next month to see if the trend has

actually changed.

RESOLVED NONE

KEY ACTIVITIES - JANUARY

- Conducted low-speed shoe/contact mechanical rail interface and tunnel clearance tests using the Metro-Dade Transit vehicles in both the AR and AL tunnels.
- Completed testing of fiber optics cable in the AR and AL tunnels between Union Station and Wilshire/Alvarado Station, Contract A620.
- Completed installation of main line machine switch (installation prototype) at Union Station, Contract A620.
- Completed systemwide installation and testing of emergency trip stations (ETS) and emergency telephones at blue light stations, Contract A640.
- Completed tests of radio channels 1 and 2 to support rail activation, Contract A640.
- Completed testing of emergency fans at Pershing Square and Civic Center Stations.

KEY ACTIVITIES - PLANNED FOR FEBRUARY

- Continue close-out of the following contracts: A130, Yard Leads and Transfer Zone; A135, Union Station, Stage I; A141, Line Section, Union Station to Pershing Square and Civic Center Station, Stage I; A165, 7th/Flower Station, Stage I; A175, Wilshire/Alvarado, Stage I.
- Continue "live" testing with Metro-Dade Transit vehicles.
- Continue to resolve electrical/mechanical interfaces for all Stage II contracts as they surface.
- Complete Integrated Contract Completion Schedule.
- Complete signal and wayside installation, proceed with train control systems tests.
- Implement Change Notice reduction program.
- Support of Breda vehicle arrival and testing.

RAIL CONSTRUCTION CORPORATION

PROJECT COST REPORT COST BY ELEMENT

PROJECT : REO METRO RAIL RED LINE SEGMENT 1

STATUS PERSOD: DESEMBERT 28, 1881 10 JAMBARY 31, 1882 STATUS DATE: JAMBARY 31, 1882 RARTS: BOLLAUS OI THOUSANDS

		BWDGET	CANGEL	I BROKET	COMM	TMENTS	MCVR	ED COST	EXPER:	OFT WREE	CURRENT	FORECAST	TARIARCE (113)
REMENT	DESCRIPTION		FERIOD	TODATE	FERIOD	TO DATE	PERIOD	TO DATE	#EXXXXX	TO DATE	PERIOD	TO DATE	
	<u>_</u>	(1)	20	D)	10	6	(6)	(7)	ø	P)	(10)	(11)	(12)
Ŧ	CONSTRUCTION	696, 168		761,972	30,052	742,500	40,673	676,832	39,845	867,409	4,411	801,025	49,853
2	PROFESSIONAL SERVICES	367,755	•	461,830	174	437,413	3,531	418,462	3,531	418,462	116	459,678	2,254
R	REAL ESTATE	80,894		139,620	,18	124,546	10	124,546	18	124,545	0	139,579	(141)
F	UTILITY RELOCATIONS	10,920	0	12,140	0	12,018		0,325	6 4	8,325	6	12,018	(122)
٥	SPECIAL PROGRAMS	946	6	940	0	, ME	40	536	40	536	6	988	· 40
ε	PROJECT CONTRIGUICY	\$3,275	6	83,200	0	0	0	0	0	0	H,529	36,733	(47,47 0)
	PROJECT REVENUE	0	0	0	0	0	a	•	rt)	(1,230)	0	0	a
!	PROJECT BRAND TOTAL	1,249,900	0	1,460,018	36,242	1,317,623	\$2,552	1,228,803	40,623	1,218,050	0	1,450,019	0

OUTE REFER TO APPENDIX FOR REPORT DEFINITIONS

RAIL CONSTRUCTION CORPORATION METRO RAIL PROJECT SEGMENT 1 (IN THOUSAND OF DOLLARS)

18-Feb-92 08:03 AM

DECEMBER 91

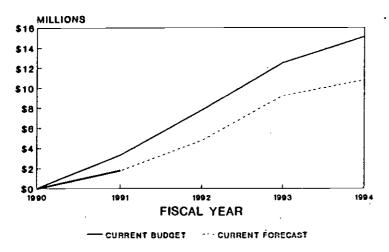
STATUS OF FUNDS BY SOURCE

		TOTAL	TOTAL	COMMITM	MENTS	EXPENDIT	URES	BILLED TO S	OURC
		FUNDS	FUNDS						
	SOURCE	ANTICIPATED	AVAILABLE	\$	*	s	*	s	%
	FTA-SECTION 3	\$605,300	\$605,300	\$598,191	99%	\$568,667	94%	\$ 563,441	93%
	FTA-SECTION 9	\$90,584	\$90,584	\$87,018	96%	\$86,373	95%	\$78,957	87%
	STATE	\$213,076	\$214,016	\$198,737	93% -	\$181,857	85%	\$210,034	99%
	LACTC	\$176,640	\$175,701	\$175,701	99%	\$159,595	90%	\$158,554	90%
	CITY OF L.A.	\$34,000	\$34,000	\$30,382	89%	\$29,239	86%	\$28,600	84%
	BENEFIT ASSESS.	\$130,300	\$19,082	\$114,950	88%	\$114,950	88%	\$19,082	15%
[1)	COST OVERRUN ACCOUNT	\$200,119	\$34,818	\$79,084	40%	\$29,665	15%	\$24,843	12%
(2)	BENEFIT ASSESS, SHORTFALL	\$0	\$0	\$0		\$0		\$95,867	
_	TOTAL	\$1,450,019	\$1,173,501	\$1,284,063	89%	\$1,170,346	81%	\$1,179,378	81%

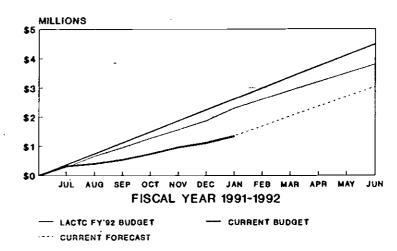
NOTES:

- (1) The Cost Overrun Account includes CAPRA funds as well as LACTC and City of Los Angeles contributions to cover cost overruns
- The current Benefit Assessment District revenue shortfall is being funded by SCRTD and LACTO

AGENCY COSTS RED LINE SEGMENT 1



FISCAL YEAR 1992 AGENCY COSTS RED LINE SEGMENT 1



PROJECT AGENCY COSTS RED LINE SEGMENT 1 (\$000)

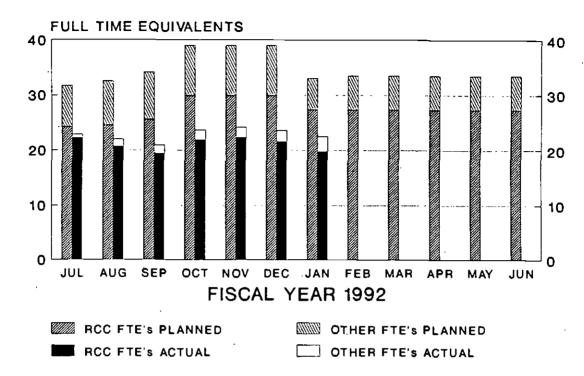
TOTAL PROJECT BUDGET \$1,450,019 CURRENT BUDGET • \$15,091 CURRENT FORECAST • \$10,818 *Does not include \$80,864 in agency costs expended by SCRTD prior to June 30, 1990.

FISCAL YEAR 1992 AGENCY COSTS RED LINE SEGMENT 1 (\$000)

LACTC FY'92 BUDGET	\$3,792
CURRENT BUDGET	\$4,477
CURRENT FORECAST	\$3,027
ACTUAL \$ TO DATE	\$1,352

Current forecast as of December 1991.

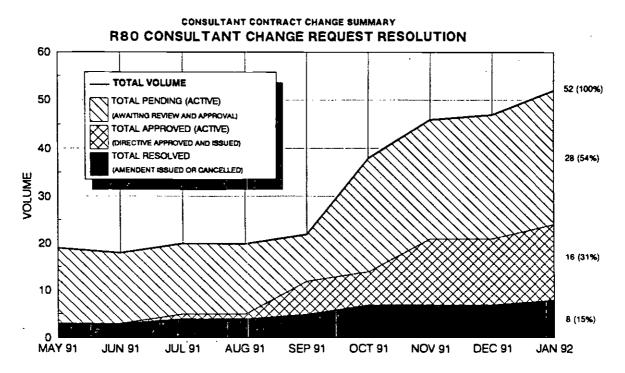
STAFFING PLAN VS. ACTUAL RED LINE SEGMENT 1



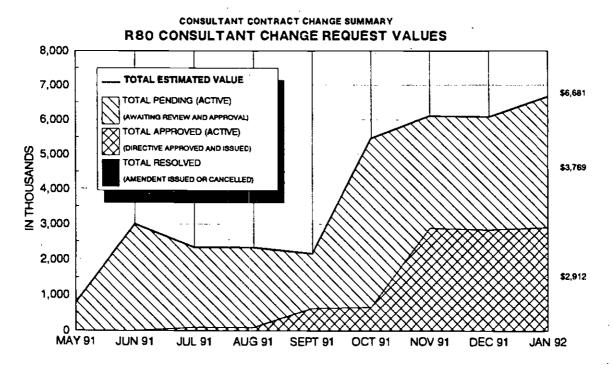
FY'92 Amended Budget implemented JAN'92

RED LINE (SEGMENT 1) STAFFING PLAN FISCAL YEAR 1992

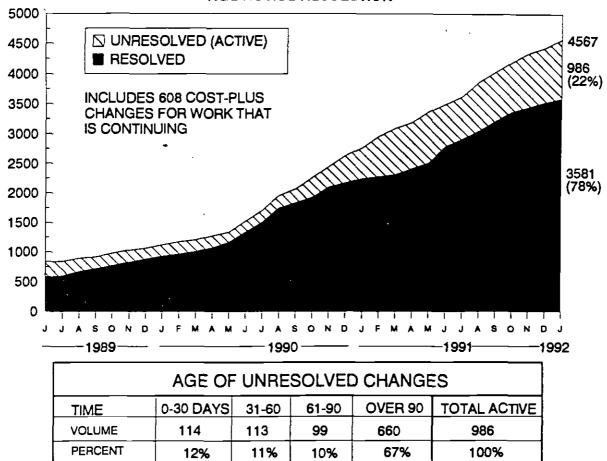
BUDGET WAGE RATE (\$/HOUR)	\$42
ACTUAL WAGE RATE (\$/HOUR)	\$43
RCC FTE's PLANNED RCC FTE's ACTUAL	27 20
OTHER FTE'S PLANNED OTHER FTE'S ACTUAL	6 3
TOTAL FTE'S PLANNED TOTAL FTE'S ACTUAL	23 24



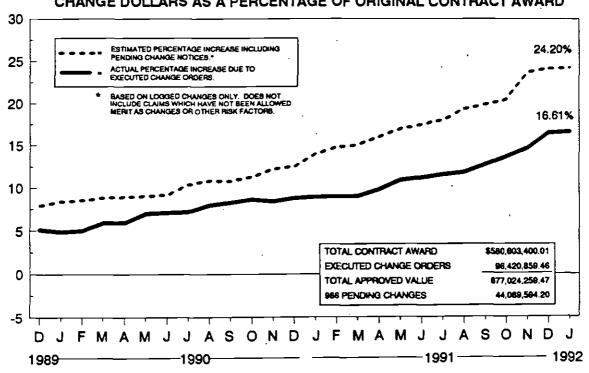
AGE OF UNRESOLVED CONSULTANT CHANGES					
TIME	0-30 DAYS	30-60 DAYS	61-90 DAYS	OVER 90	TOTAL ACTIVE
VOLUME	5	1	7	31	44
PERCENT	11%	2%	16%	71%	100%



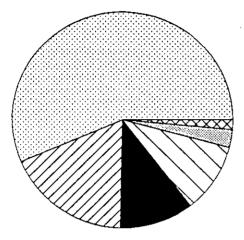
CONSTRUCTION/PROCUREMENT CONTRACT CHANGES CHANGE NOTICE RESOLUTION



CONSTRUCTION/PROCUREMENT CONTRACT CHANGES CHANGE DOLLARS AS A PERCENTAGE OF ORIGINAL CONTRACT AWARD



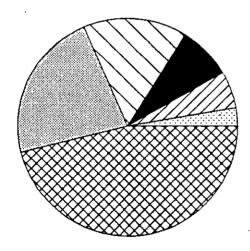
CONSTRUCTION/PROCUREMENT CHANGE VOLUME AND COST BY COST LEVEL BASED ON EXECUTED CHANGES AS OF 01/31/92



CHANGE VOLUME TOTAL VOL: 1964 CO'S (2934 CN'S)

ABSOLUTE VALUES

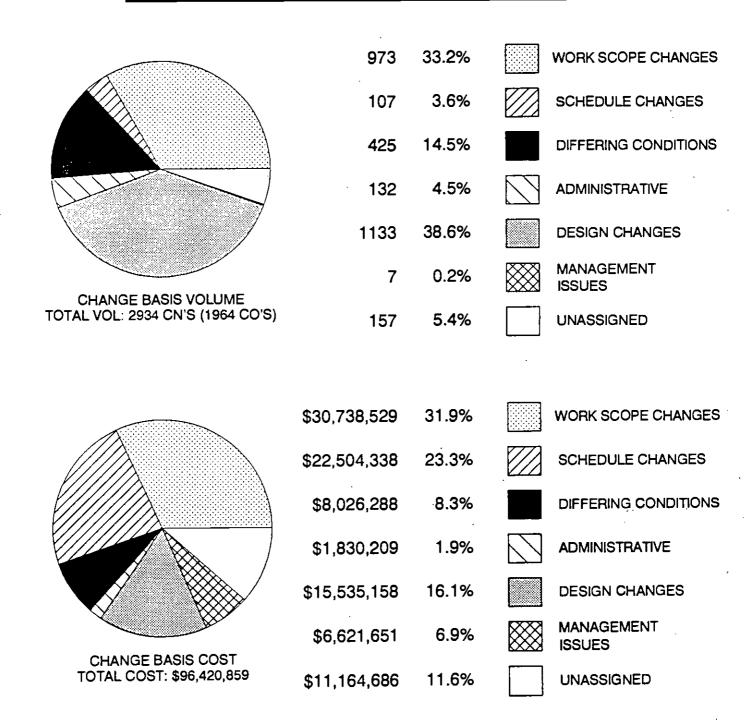
1107	56.4%	< \$10,000
356	18.1%	< \$25,000
216	11.0%	< \$50,000
203	10.3%	< \$200,000
53	2.7%	> \$200,000
29	1.5%	> \$1,000,000

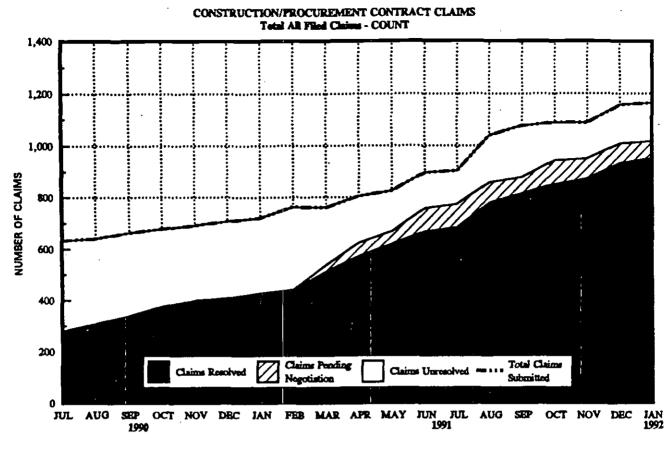


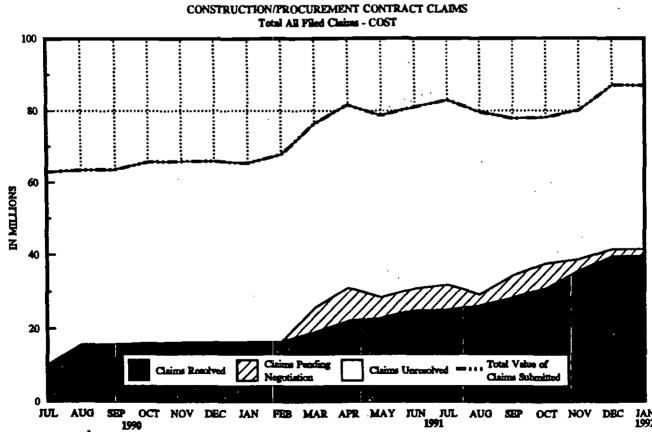
CHANGE COST TOTAL COST: \$96,420,859

\$2,737,500	2.8%	< \$10,000
\$5,277,277	5.5%	< \$25,000
\$7,600,287	7.9%	< \$50,000
\$14,627,438	15.2%	< \$200,000
\$21,730,174	22.5%	> \$200,000
\$44,448,183	46.1%	> \$1,000,000

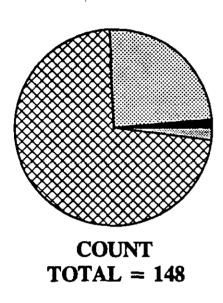
CONSTRUCTION/PROCUREMENT CONTRACT CHANGES CHANGE VOLUME AND COST BY CHANGE BASIS TYPE BASED ON EXECUTED CHANGES AS OF 01/31/92



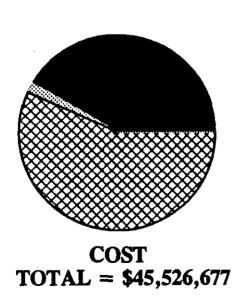


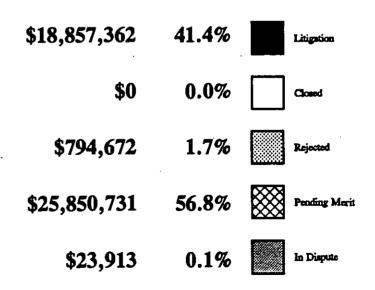


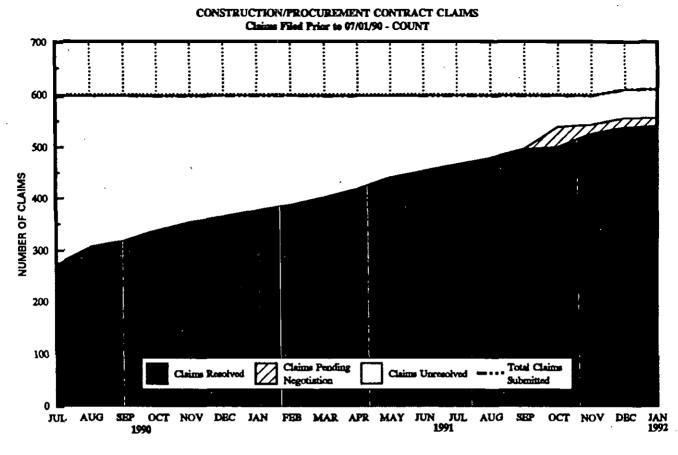
CONSTRUCTION/PROCUREMENT CONTRACT CLAIMS Unresolved Claims Distribution Chart Total All Filed Claims as of 01/31/92

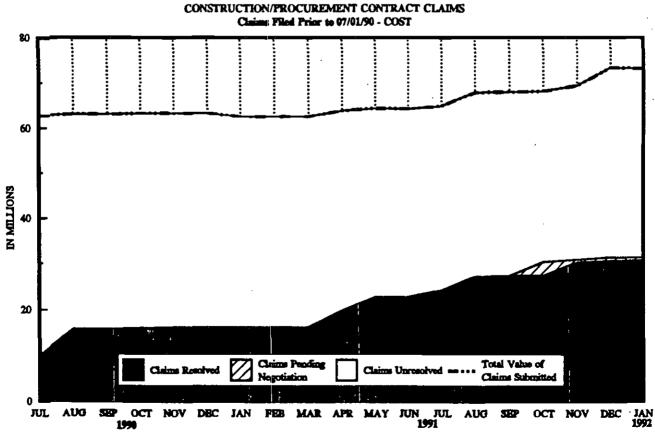


2	1.4%	Litigation
0	0.0%	Closed
36	24.3%	Rejected
107	72.3%	Pending Merit
3	2.0%	In Dispute

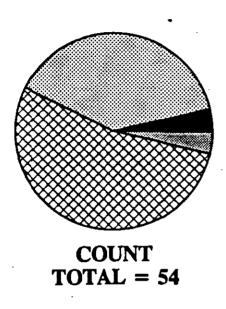




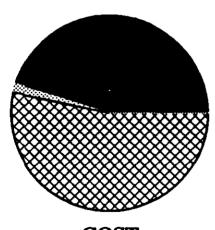


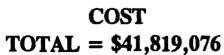


CONSTRUCTION/PROCUREMENT CONTRACT CLAIMS Unresolved Claims Distribution Chart Claims Filed Prior to 07/01/90 as of 01/31/92

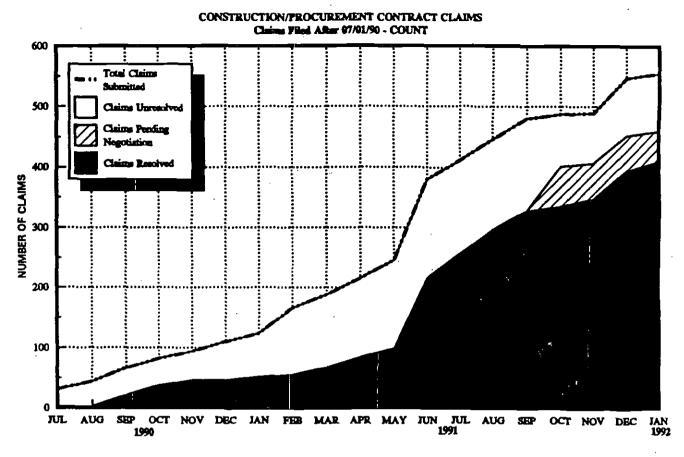


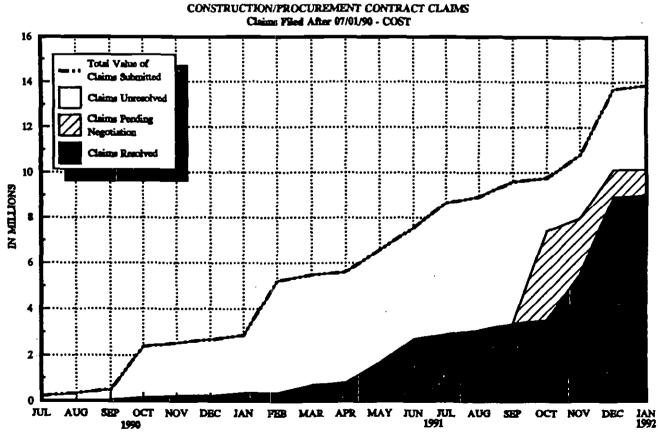
2	3.7%	Litigation
0	0.0%	Closed
21	38.9%	Rejected
29	53.7%	Pending Mer
2	3.7%	In Dispute



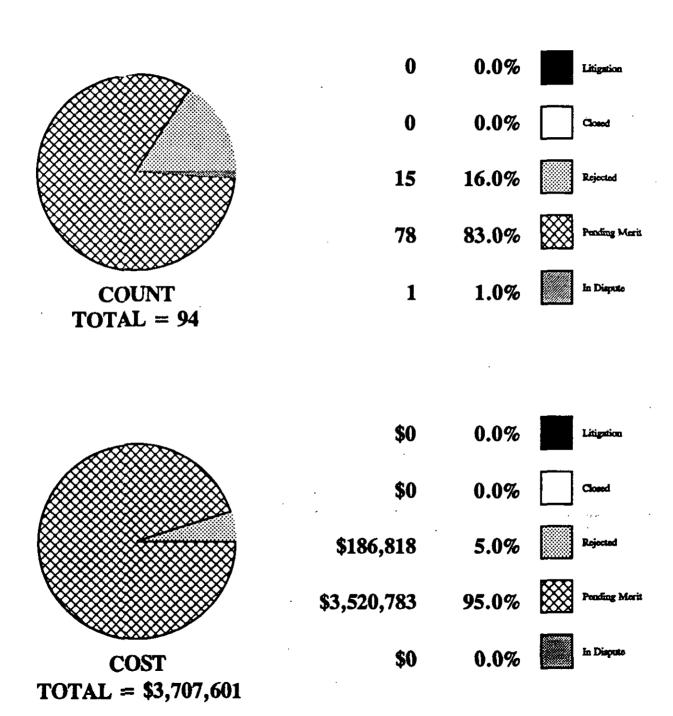


\$18,857,362	45.1%	Litigation
\$0	0.0%	Closed
\$607,853	1.4%	Rejected
\$22,329,948	53.4%	Pending Merit
\$23,913	0.1%	In Dispute

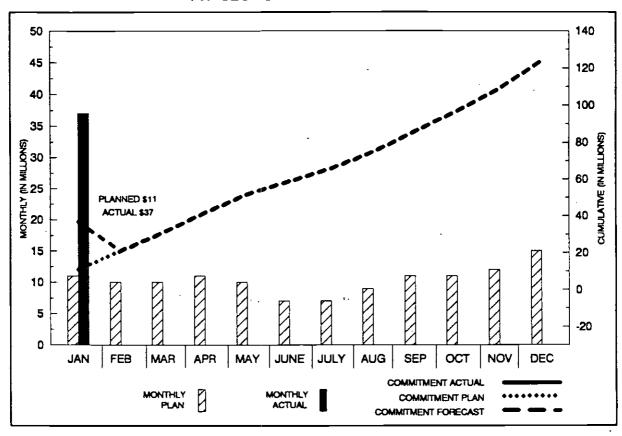




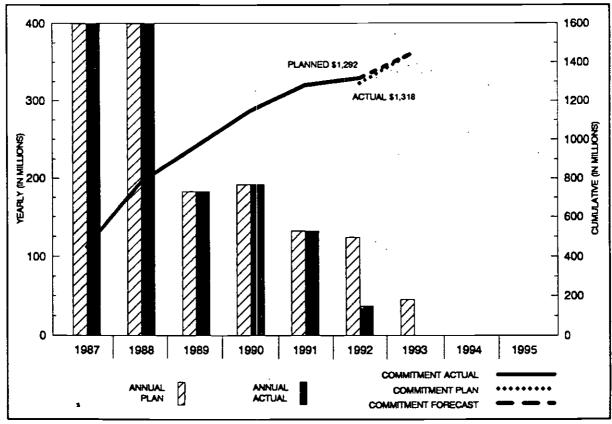
CONSTRUCTION/PROCUREMENT CONTRACT CLAIMS Unresolved Claims Distribution Chart Claims Filed After 07/01/90 as of 01/31/92



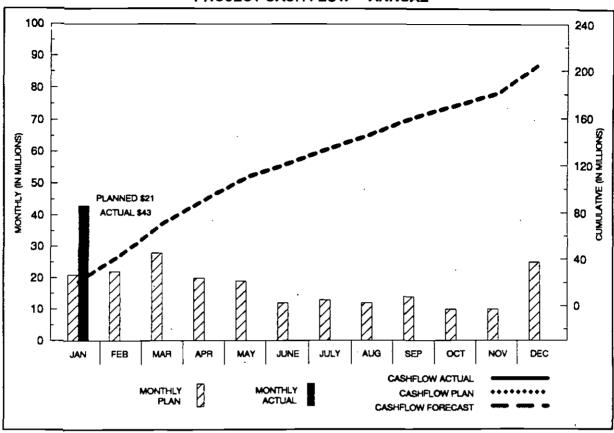
PROJECT COMMITMENTS -- ANNUAL



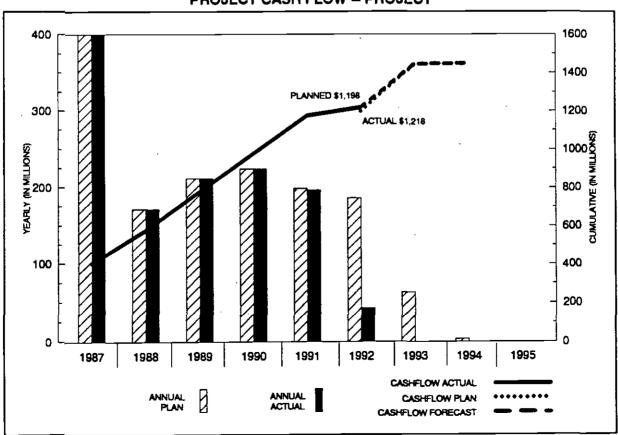
PROJECT COMMITMENTS - PROJECT

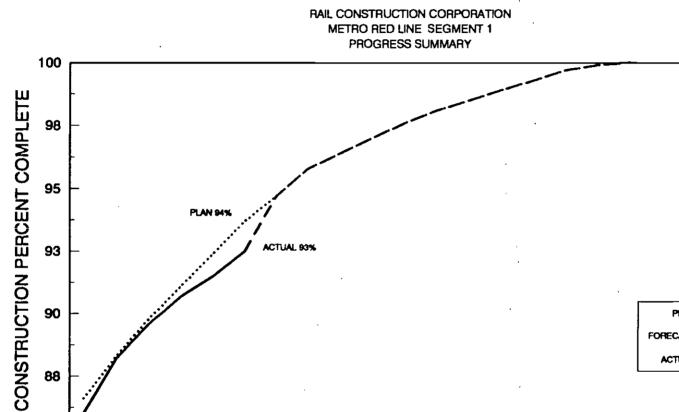


PROJECT CASH FLOW - ANNUAL



PROJECT CASH FLOW -- PROJECT





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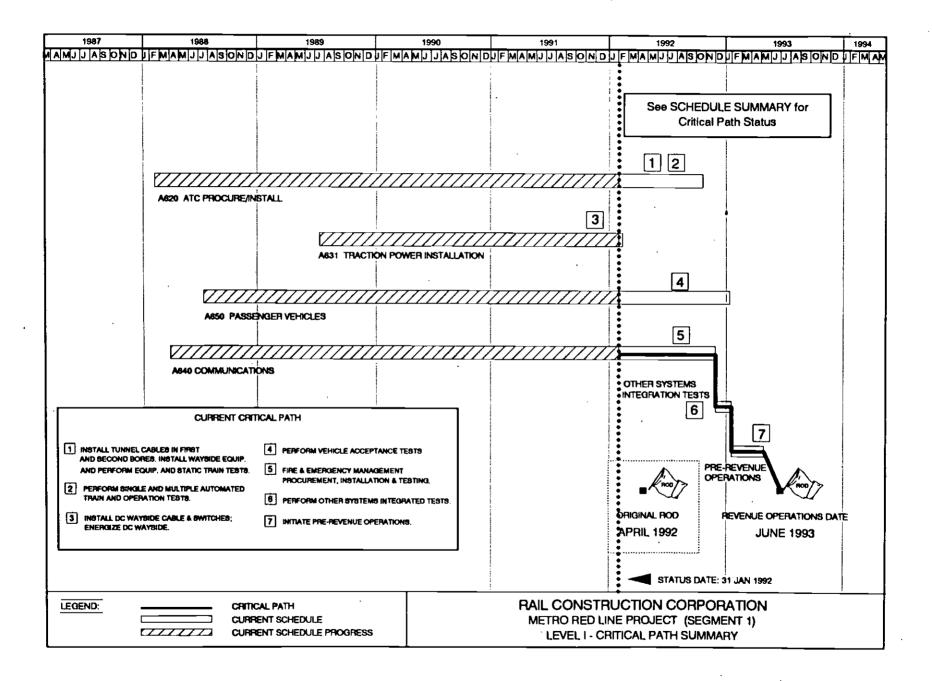
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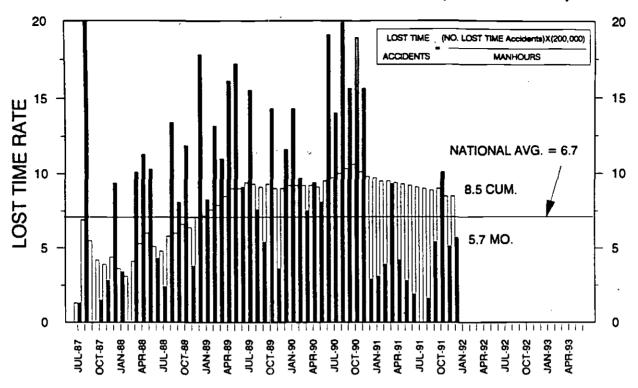
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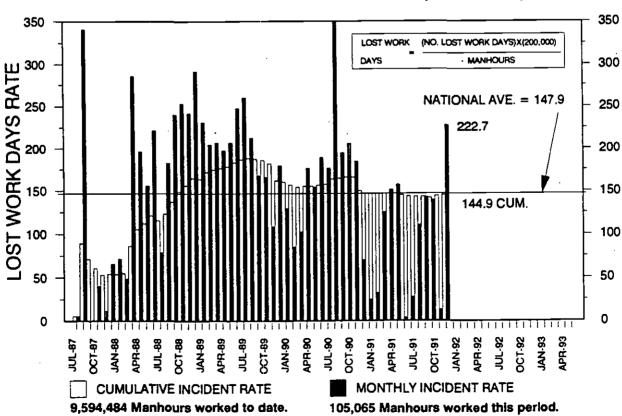
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METRO RED LINE (SEGMENT - 1) PROJECT SUMMARY OF LOST TIME ACCIDENTS (FREQUENCY)



METRO RED LINE (SEGMENT - 1) PROJECT SUMMARY OF LOST WORK DAYS (SEVERITY)



LEGEND

0	Open. Action still required.
	Completed or Not Applicable

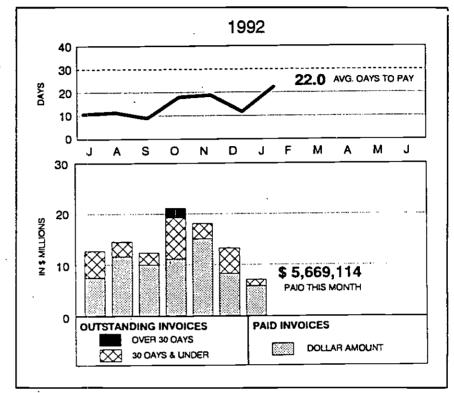
CONTRACT CLOSE OUT STATUS METRO RED LINE SEGMENT 1

		CLOSE OUT STATUS						
		CLAIMS/	FINAL		FINAL	EQUIP.		PROJECTED
CONTRACT		CHANGE	PROG.	FINAL	ACCEPT.	FINAL		CLOSE-OUT
NUMBER	DESCRIPTION	ORDERS	PAYMENT	RELEASE	CERTIF.	DELIV.	COMMENTS	DATE
A135	Union Station - Stage 1	0					Minor dispute resolution	Apr 92
A175	Wilshire/Alvarado - Stage 1	0					Notice of completion to be filed in March 1992	Apr 92

INVOICE PROCESSING

- The average time taken to pay invoices for Construction and Procurement contracts (including Insurance) was 22.0 days.
- 11 invoices were paid for a total value of \$ 5,669,114.
- There were 2 outstanding Construction/ or Procurement invoices under 30 days old for \$ 1,240,502.
- 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				
		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	
OCT 1991	13	7,927,716	10	1,895,120	19	3,487,114	3	798,966	
NOV 1991	6	2,956,345	2	27,063	18	2,800,800	4	1,040,811	
DEC 1991	10	4,952,526	0	0	23	2,850,368		1,991,918	
JAN 1992	2	1,240,502	0	0	11	2,384,087	7	1,138,991	
1						. ,			
<u></u>					· .				

EXECUTIVE SUMMARY

COST STATUS

in \$ million

Current Budget

\$1,446.4

Current Forecast

\$1,446.4

The defined costs forecast increased primarily due to the Contract B252, Vermont/Santa Monica Station and Crossover, Prefinal Design Estimate; and Real Estate Storage Space for Contaminated Soils. The increase is partially offset by decreases in Awarded Contracts Forecast Changes; Deletion of On-Site QA Inspection for HDPE; and Schedule Changes Impact on Cost Forecasts. The balance of the increase in direct costs was offset by a decrease in Contingency.

SCHEDULE STATUS

Current Revenue Operation Date

Wilshire Corridor	July	1996
Vermont/Hollywood Corridor	September	1998

•	Design Progress	- Plan	79%
		- Actual	74%

Planned design progress remains unchanged from last month. The design progress plan was reassessed to include effort for redesign of Contract B261 (new entrance and plaza) and Contract B241 (Great Space Concept, which adds an open bay at the end of the mezzanine level by eliminating the horizontal struts at the columns in that area).

•	Construction Progress	- Plan	7%
		- Actual	7%

The Wilshire Corridor is currently showing Zero Float to the Revenue Operations Date. Contract B201, Wilshire/Alvarado to Wilshire/Vermont Line, soldier piles for pocket structure are complete, installation of lagging/shotcrete is 57% complete, pocket track structural excavation is 67% complete, interior and most of the exterior walls at section 16-11 have been placed, and 892 feet of the AR tunnel has been excavated. Demolition of the Wilshire/Shatto Plaza Building is complete at Contract B211, Wilshire/Vermont Station, Stage I, and soldier pile

delivery continues. At Contract B221, Wilshire/Normandie Station and Line, soldier pile installation is 84% complete, cap beam and cap waler work continues on the south side of Wilshire, installation is 47% complete, and utility relocation continues. Soldier pile installation is 77% complete at Contract B231, Wilshire/Western Station, and cap beam and cap waler installation is in progress on the south side of Wilshire; utility relocation continues.

The critical path for the Wilshire Corridor is Contract B211, Wilshire/Vermont Station. Following completion of the Contract B211 trackway area, the critical path continues through Contract B610, Trackwork, Contract B620 Automatic Train Control, Integrated Testing and Pre-revenue Operations to the Revenue Operation Date of July 1996.

The critical path for the Vermont/Hollywood Corridor is Contract B251, Vermont/Hollywood Tunnel, which is currently showing 54 work days of negative float due to rescheduled Contract B251 Notice to Proceed. Upon completion of the tunnel excavation, the critical path continues through Contract B610, Trackwork, Contract B620, Automatic Train Control, Integrated Testing and Pre-Revenue Operations to the Revenue Operations Date of September 1998.

REAL ESTATE

	NUMBER OF PARCELS		PARCELS NOT AVAILABLE	PARCELS NOT AVAILABLE (BEHIND SCHEDULE)		
PARCELS.		AVAILABLE	(ON SCHEDULE)	NUMBER	AVG. DAYS BEHIND	
THIS MONTH	72	28	39	5	99	
LAST MONTH	71	27	40	4	84	

- There are 72 parcels of land required for the Segment 2 Project. The acquisition breakdown is as follows: 20 full takes, three partial takes, 41 subsurface easements, two surface easements, one temporary construction easement, two leases, and three parcels for the Vermont/Hollywood Tunnel. The number of parcels increased by one due to the need for the new entrance at Contract B261, Vermont/Sunset Station (Children's Hospital).
- To date, there have been 28 parcels acquired. 18 of these parcels were acquired through condemnation and the remaining 12 were negotiated acquisitions.

AREAS OF CONCERN

ONGOING

Delay in Real Estate Acquisitions

Concern:

There are five parcels which may not be available by their scheduled need dates. This number has increased by one since last month. Of the five parcels, two are approved for condemnation and are expected to be available before the need date for construction. The other two parcels are delayed due to environmental approvals. The remaining parcel is expected to be available before the need date for construction.

Action:

Maintain schedule to recover negative float.

Status:

There remains a high probability that all parcels will be acquired by the need dates.

Wilshire Corridor Revenue Operation Date

Concern:

The four major Facility Contracts for the Wilshire Corridor have been awarded to the same contractor. The contractor has indicated intent to use one tunnel shield machine to excavate both tunnel sections. The schedules are tight with tunnel drive rates that were never attained during the Segment 1 construction experience.

Action:

A contingency plan must be developed and agreed upon with the contractor to help assure that the milestone dates will be met if the anticipated drive rates are not attained.

Status:

Discussions are ongoing, Parsons-Dillingham has submitted several contingency plans to the RCC for consideration and eventual discussion with the contractor.

A Change Notice has been issued to the contractor providing for the purchase of a roadheader attachment for the tunnel shield machine in the event of the contractor tunneling through harder ground than he may have anticipated.

The contractor's tunnel drive rate is averaging less than 60 linear feet per day. Although the rate is improving, the projected actual drive rate could impact milestone completion dates.

Blast Relief Shafts Relocation

Concern:

In August, the City of Los Angeles required that the Under Platform Exhaust (UPE) and Blast Relief Shafts (BRS) penetrate the surface at locations away from the traveled (vehicle and pedestrian) way.

Action:

Continue to work with the City Bureau of Engineers and Department of Transportation to find the most cost effective solution to the City's concerns.

Status:

Contract B252 UPE and BRS terminations have been finalized in the sidewalks adjacent to Vermont. Contracts B241 and B261 shaft termination locations are still under discussion with the DOT and BOE. Along Hollywood Boulevard, Contracts B271, B281 and C301 will probably have terminations located in roadway medians.

Noise Mitigation

Concern:

The noise level of construction work at Contract B221 caused complaints from the Wilshire Koreana Hotel. Without the implementation of noise mitigation measures, construction work could be held up, resulting in possible delays to the contract.

Action:

Resolution of noise complaints and implementation of noise mitigation measures throughout the Segment 2 construction.

Status:

Parsons-Dillingham/RCC have implemented noise mitigation measures at Contracts B211, B221 and B231. Steps undertaken include enforcement of noise regulations, site monitoring, review and upgrading of equipment as required, and installation of sound barriers/acoustical enclosures for night work. LADOT now requires noise mitigation plans to be submitted by utility subcontractors. Site specific noise mitigation measures have been identified and are being implemented at each Segment 2 contract work area.

Site specific noise mitigation measures continue to be identified for Contracts B221 and B231 for impacts to both the north and south side of Wilshire Boulevard. Measures will be implemented in accordance with LADOT and RCC standards and will reflect tenant concerns.

Mined Station Concept

Concern:

Cut and cover plans for the Vermont/Hollywood Corridor are currently showing zero or negative float to the Vermont/Hollywood Revenue Operations Date (ROD). Any Mined Station Concepts that exceed the current station construction time frames will be a direct impact to ROD.

Action:

The RCC has requested a comprehensive review of the Mined Station

Concept by an outside consultant.

Status:

Consultant's Deloitte and Kellogg are presently finalizing their review of the Mined Station Concept, and will be presenting their recommendation in support of the concept to the RCC at the April 6, 1992, Board Meeting.

NEW

Contract B251, Vermont/Hollywood Line

Concern:

Delays to the adoption of the Environmental Negative Declaration for Contract B251, Vermont/Hollywood Tunnel, has delayed the scheduled Notice to Proceed date. Current delay impacts the Revenue Operations Date by two months.

Action:

The RCC and LACTC Boards need to adopt the Environmental Negative Declaration to allow the contract to be advertised.

Status:

RCC must finalize negotiations for environmental impact mitigation measures with concerned parties to enable the RCC and LACTC Boards to adopt the Environmental Negative Declaration.

RESOLVED

Delay in Design Progress

Status:

While design progress is still slightly behind schedule, the recovery plans are working and the design documents will be delivered as scheduled. Currently, there is no impact to the Project Schedule or ROD.

FTA PROJECT MANAGEMENT OVERSIGHT CONSULTANT ITEMS FOR RCC ACTION

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

ONGOING

April 1991

Project Procedures

Concern:

Certain project procedures have not being issued.

Additionally, some of the procedures reviewed are not in

accordance with the Project Management Plan (PMP).

Action:

Complete and publish remaining policies and procedures

and review the PMP for conflicts

Status:

An updated procedure completion schedule, with approved and projected dates, was provided to Hill International. Additionally, the PMP has been reviewed for conflicts with the new procedures. The PMP revision is to be submitted

at the next FTA quarterly meeting.

NEW

NONE

RESOLVED

NONE

KEY ACTIVITIES - JANUARY

- Continued pocket track excavation and structural concrete work in MacArthur Park area, Contract B201.
- Finished east side of Alvarado Street decking and started piling, pile capping, and street beam operations on the west side for Contract B201 pocket track excavation.
- Completed 892 linear feet of AR tunnel from the portal at MacArthur Park,
 Contract B201.
- Continued shaft #17 excavation at Wilshire and Commonwealth Streets, Contract B201.
- Completed demolition of the Wilshire/Shatto Plaza Building and backfilling of the area.
- Completed traffic detour and started pile installation for the turn-out structure at 6th/Vermont, Contract B221.
- Continued soldier pile installation and utility relocation on the south side of Wilshire at Normandie, Contract B221.
- Started street decking operations on Wilshire Boulevard between Western and Oxford Avenues, Contract B231.
- Completed Contract B251, Vermont/Hollywood combined tunnels specification and drawings review.
- Completed street decking time studies for Hollywood Avenue Station.
- Completed close-out of Contract B218, Building Demolition/Site Clearing for B221.
- Completed In-Progress Design Submittal for Contract B745, Air Handling Equipment.
- Continued potholing investigations for remainder of Segment 2 Stations.
- Evaluating the impact of the Americans with Disabilities Act on Metro Red Line
 Segment 2.

KEY ACTIVITIES - PLANNED FOR FEBRUARY

- Complete street decking operation of Alvarado Street, Contract B201.
- Complete tunneling an additional 1200 linear feet of AR tunnel toward 6th/Vermont, Contract B201.
- Commence roof construction of concrete structure for pocket track crossover at MacArthur Park, Contract B201.
- Commence installation of soldier piles for the Wilshire/Vermont Station,
 Contract B211.
- Complete soldier pile installation at Wilshire/Normandie and prepare for start of decking operations, Contract B221.
- Complete decking installation between Oxford and Serrano Avenues for the Wilshire/Western Station, Contract B231.
- Complete Prefinal Design Submittal of Contract B271, Hollywood/Western Station.
- Continue working toward the revised Prefinal Design Submittal in March for Contracts B241, Vermont/Beverly Station, and B281, Hollywood/Vine Station.
- Complete Prefinal Design Submittal of Contract B630, Traction Power and Contract B710, Escalator/Elevator.

FAIL CONSTRUCTION CORPORATION PROJECT COST REPORT COST BY ELEMENT

Project: R81 METRO RED LINE MOS-2

Period: 26-Dec-91 to 31-Jan-92

Run Date: 18-Feb-92

Units: Dollars in Thousands

	ORIGINAL BUDGET	CURREN	T BUDGET	СОММГ	TMENTS	INCURRE	D COSTS	EXP ENO	ITURES	CURRENT	FORECAST	FORECAST VARIANCE
ELEMENT / DESCRIPTION		PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
T Construction	893.000	0	905,830	. 190	299,805	: 14,611	70,100	9,257	57.430	3.284	958,439	50,609
	,						ŕ	, i	,			34.973
S Professional Services	289,150	٥	297,844	6,212	211,514	4,475	77,932	4,871	70,038		332,617	
R Real Estate	79,827	0	78,567	988	46,315	292	39,003	292	39,003	3,000	96,269	19,722
F Utility/Agency Force Account	36,668	. о	18,404	o	4,969	98	1,116	98	1,118	0	- 23,720	5,318
D Special Programe	2,044	0	2,044	0	347	۰	148	0	148	0	13,044	11,000
C Contingency	145,743	٥	145,743	0	0	٥.	0	0	0	(6,284)	24,423	(121,320
A Project Revenue	0	٥	0	•	0	(1)	(133)	(1)	(133)	0	(300)	(300
	:							1			-	
Project Grand Total:	1.446.432		1,446,432	7,390	582,950	19.475	188,168	14,517	167,604	0	1,446,432	

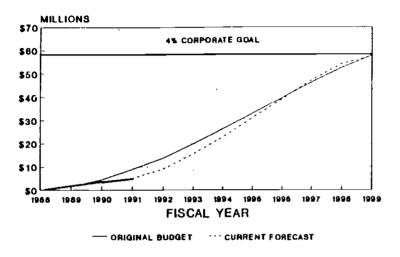
NOTE: REFER TO APPENDIX FOR REPORT DEFINITIONS.

STATUS OF FUNDS BY SOURCE

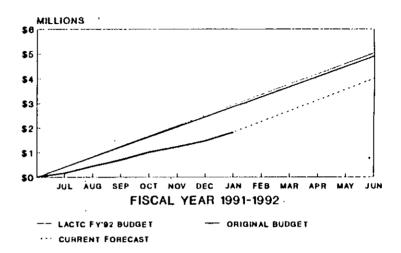
	TOTAL FUNDS	TOTAL FUNDS		COMMITM	ENTS	EXPENDIT	URES .	BILLED SOUR	
SOURCE	ANTICIPATED	AVAILABLE		5	**	5	**	5	*
UMTA-SECTION 3	\$867,000	\$478,916		\$233,616	35%	\$46,192	7%	\$34,242	5
STATE	\$185,966	\$27,000	(1)	\$76,612	42%	\$28,972	16%	\$0	0
LACTC	\$439,447	\$70,776		\$196,147	45%	\$65,450	16%	\$65,732	16
CITY OF L.A.	\$96,000	\$40,000		\$43,496	46%	\$14,967	16%	\$20,000	21
BENEFIT ASSESSMENT	\$58,000	\$0		\$9,033	16%	\$9,033	16%	\$0	٥
COST OVERRUN ACCOUNT (2)	\$0	\$5,208		\$0	0%	\$0	0%	\$0	٥
BENEFIT ASSESSMENT SHORTFALL (3)	\$0	\$0		\$0	0%	\$0	\$0	\$9,033	
TOTAL	\$1,446,432	\$621,902		\$562,903	39%	\$167,604	12%	\$132,007	

- (1) STATE FUND TRANSFER AGREEMENT HAS BEEN EXECUTED. BILLINGS TO COMMENCE IN FEBRUARY 1992.
- (2) THE COST OVERRUN ACCOUNT INCUDES CAPRA FUNDS ONLY.
- (3) THE CURRENT BENEFIT ASSESSMENT DISTRICT REVENUE SHORTFALL IS BEING FUNDED BY LACTO.

AGENCY COSTS RED LINE SEGMENT 2



FISCAL YEAR 1992 AGENCY COSTS



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

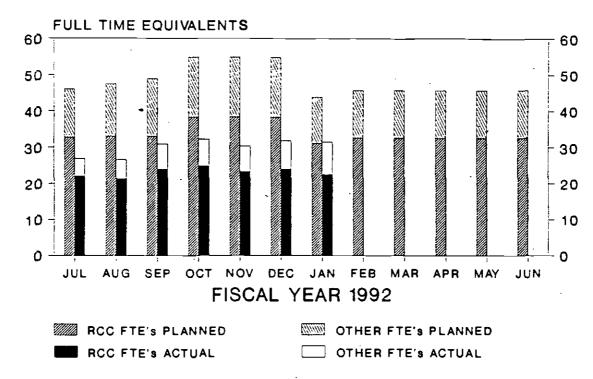
TOTAL PROJECT BUDGET	\$1,446,432
ORIGINAL BUDGET	\$57,840
BUDGET % OF TOTAL PROJECT	4.0%
CURRENT FORECAST	\$5 7, 54 1
FORECAST % OF TOTAL PROJECT	3.9%

FISCAL YEAR 1992 AGENCY COSTS RED LINE SEGMENT 2 (\$000)

LACTC FY'92 BUDGET	\$5,021
ORIGINAL BUDGET	\$4,894
CURRENT FORECAST	\$4,001
ACTUAL \$ TO DATE	\$1,821

Current forecast as of December 1991.

STAFFING PLAN VS. ACTUAL RED LINE SEGMENT 2

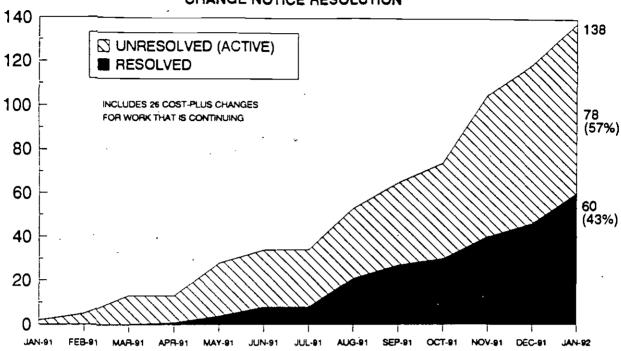


FY'92 Amended Budget implemented JAN'92

RED LINE (SEGMENT 2) STAFFING PLAN FISCAL YEAR 1992

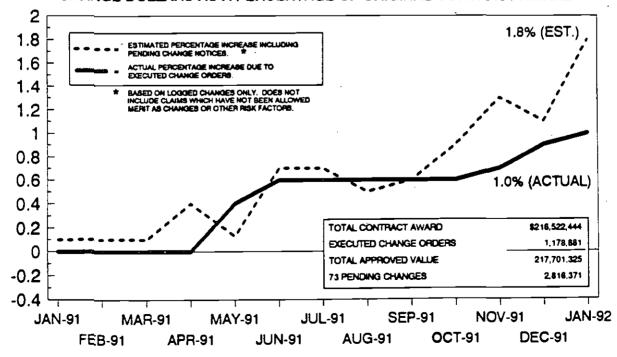
BUDGET WAGE RATE (\$/HOUR)	\$40
ACTUAL WAGE RATE (\$/HOUR)	\$39
RCC FTE's PLANNED RCC FTE's ACTUAL	31 23
OTHER FTE'S PLANNED OTHER FTE'S ACTUAL	13 9
TOTAL FTE'S PLANNED TOTAL FTE'S ACTUAL	44 32



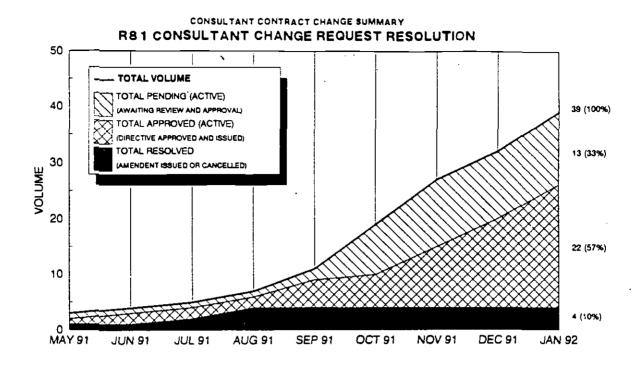


AGE OF UNRESOLVED CHANGES								
TIME	0-30 DAYS	31-60	61-90	OVER 90	TOTAL ACTIVE			
VOLUME	. 37	8	9	24	78			
PERCENT	47%	10%	12%	31%	100%			

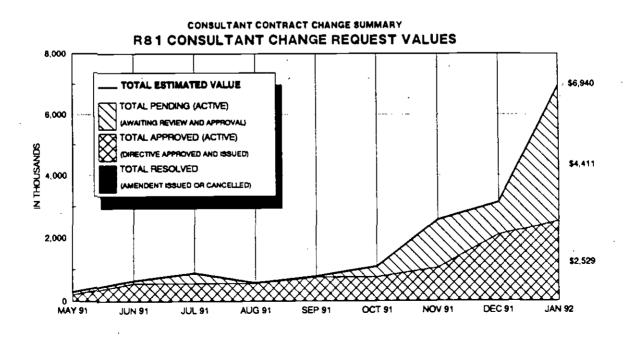
CONSTRUCTION/PROCUREMENT CONTRACT CHANGES CHANGE DOLLARS AS A PERCENTAGE OF ORIGINAL CONTRACT AWARD



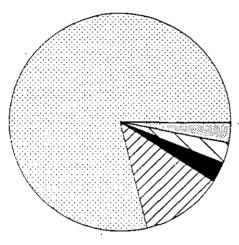
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- AGE OF UNRESOLVED CONSULTANT CHANGES									
TIME	0-30 DAYS	30-60 DAYS	61-90 DAYS	OVER 90	TOTAL ACTIVE				
VOLUME	5	7	6	15	35				
PERCENT	14%	20%	23%	43%	100%				



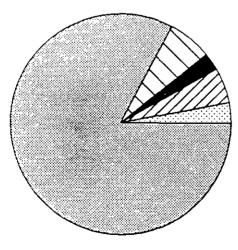
CONSTRUCTION/PROCUREMENT CHANGE VOLUME AND COST BY COST LEVEL BASED ON EXECUTED CHANGES AS OF 01/31/92



CHANGE VOLUME TOTAL VOLUME: 33 CO'S (36 CN'S)

ABSOLUTE VALUES

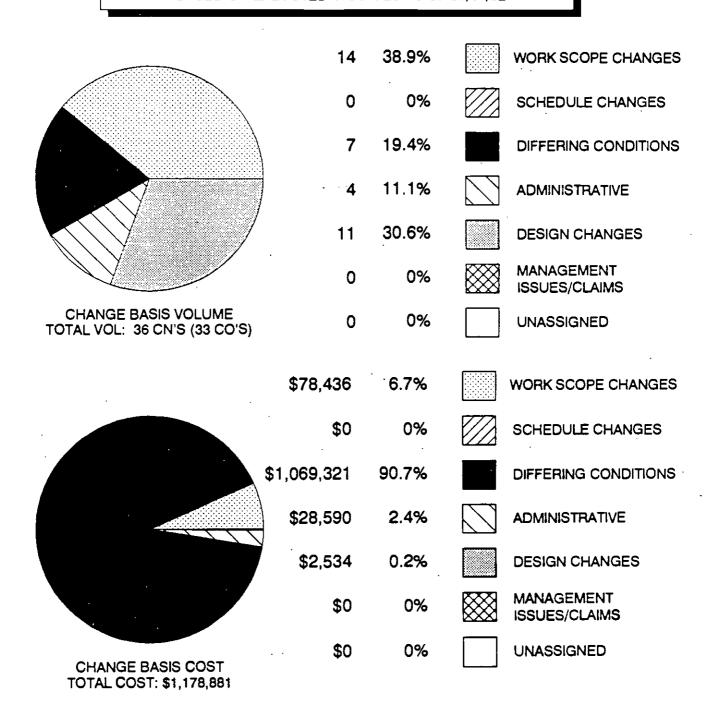
26	78.9%	< \$10,00	00
4	12.1%	< \$25,00	00
1	3.0%	< \$50,00	00
1	3.0%	< \$200,0	000
1	3.0%	> \$200,0	000
0	0.0%	> \$1,000	,000

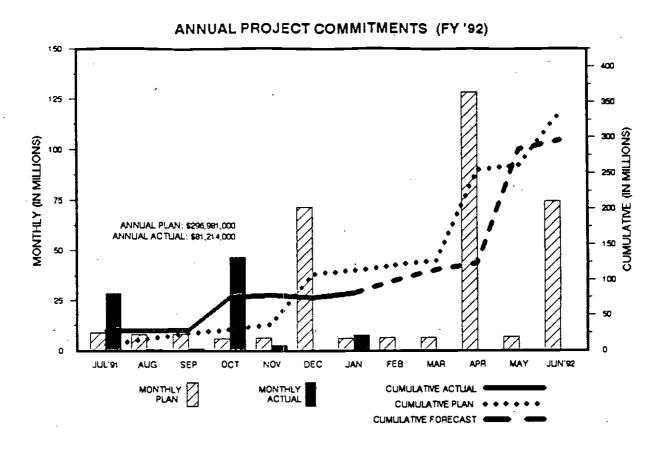


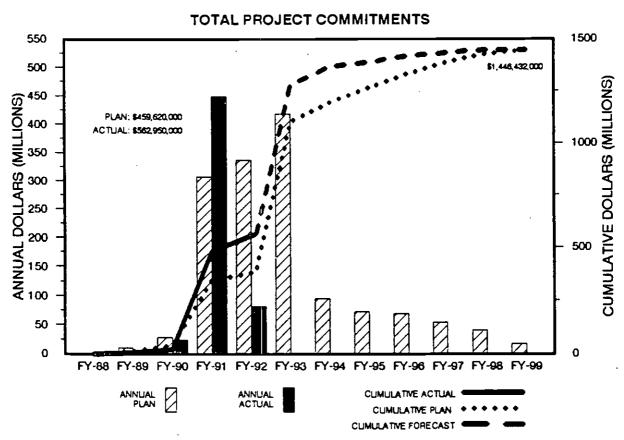
CHANGE COST TOTAL COST: \$1,178,881

\$34,472	3.0%	< \$10,000
\$62,819	5.3%	< \$25,000
\$30,590	2.6%	< \$50,000
\$76,000	6.4%	< \$200,000
\$975,000	82.7%	> \$200,000
\$0	0.0%	> \$1,000,000

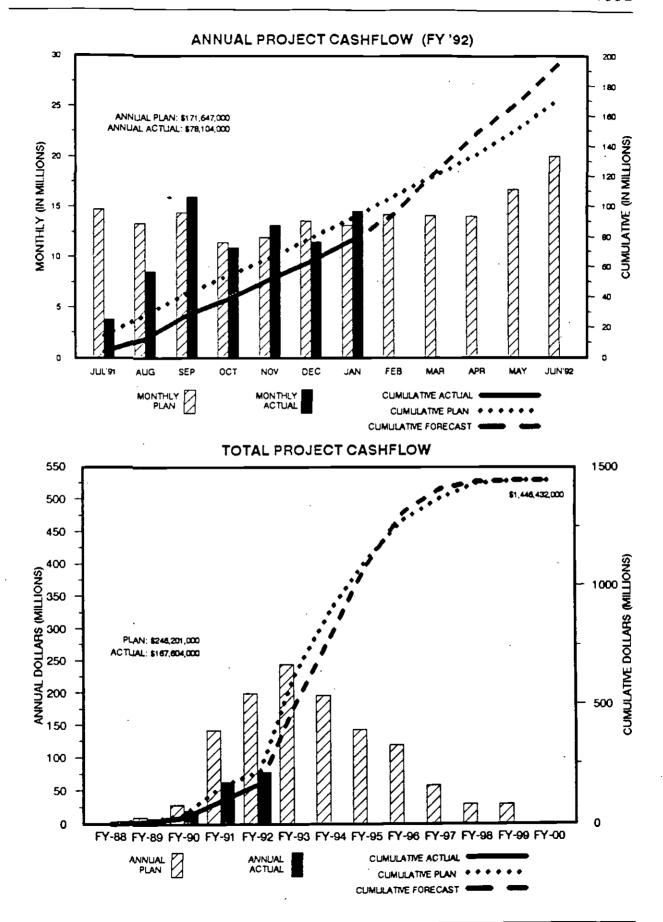
CONSTRUCTION/PROCUREMENT CHANGE VOLUME AND COST BY CHANGE BASIS TYPE BASED ON EXECUTED CHANGES AS OF 01/31/92





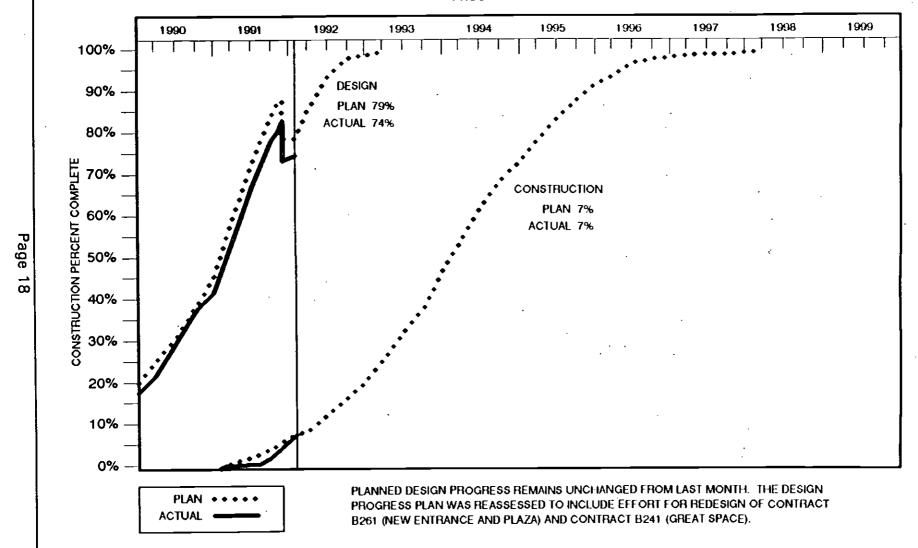


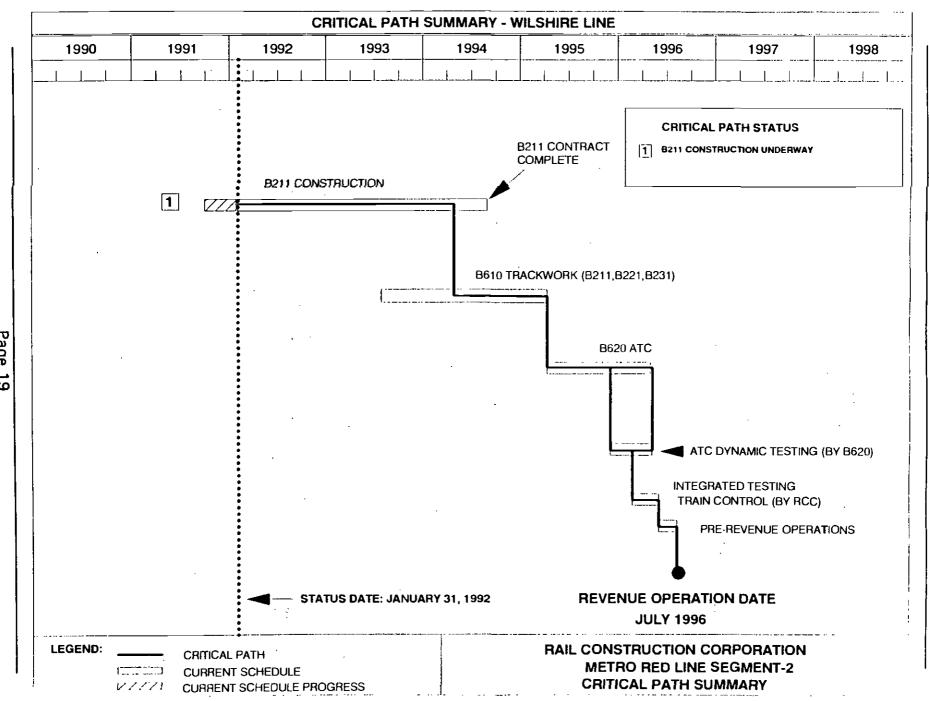
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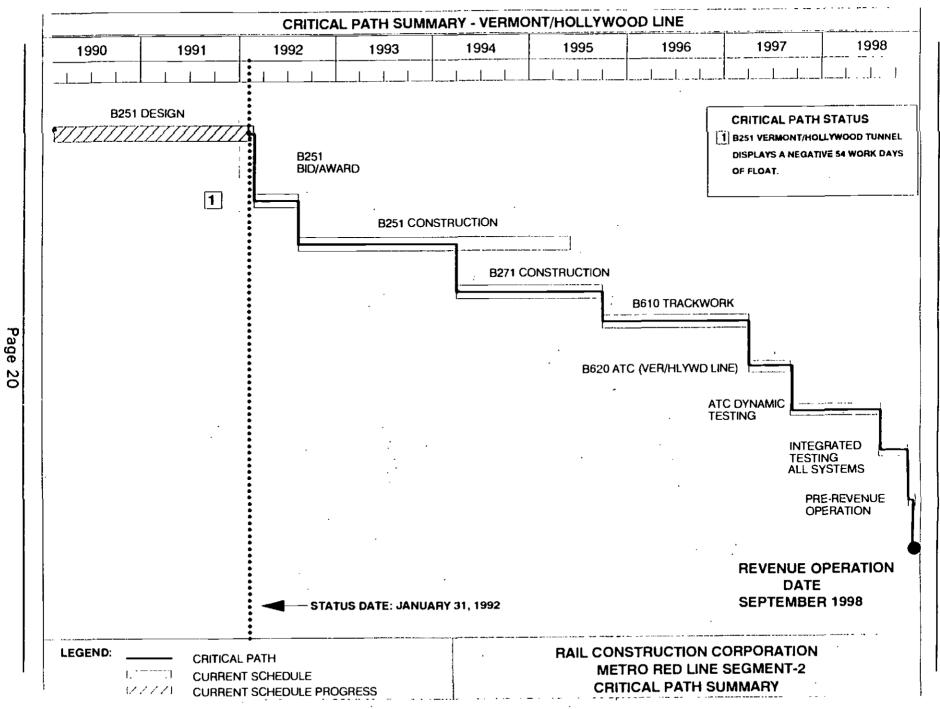


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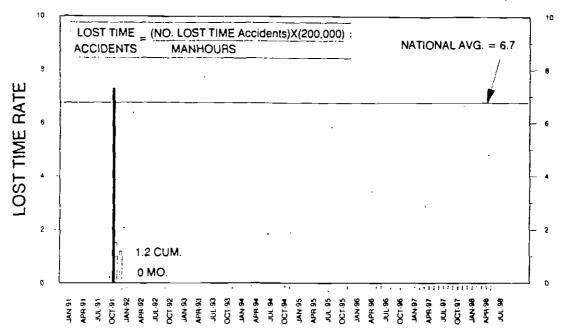
RAIL CONSTRUCTION CORPORATION METRO RED LINE SEGMENT 2 PROGRESS SUMMARY



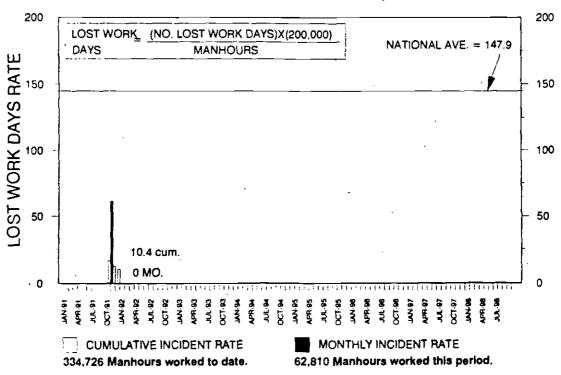




METRO RED LINE (SEGMENT - 2) PROJECT SUMMARY OF LOST TIME ACCIDENTS (FREQUENCY)

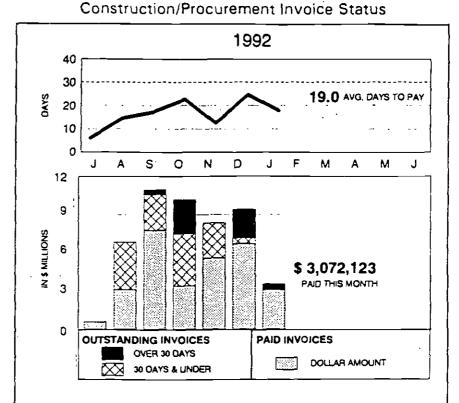


METRO RED LINE (SEGMENT - 2) PROJECT SUMMARY OF LOST WORK DAYS (SEVERITY)



INVOICE PROCESSING

- The average time taken to pay invoices for Construction and Procurement contracts (including Insurance) was 19.0 days.
- 8 invoices were paid for a total value of \$ 3,072,123.
- There were no outstanding Construction or Procurement invoices under 30 days old.
- There was 1 outstanding Construction or Procurement invoice over 30 days old for \$ 466,820.



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		Number of	Dollar	Number of	Dollar	Number of	Dollar
Month	Invoices	Value	Invoices	Value	Invoices	Value	Invoices	Value
OCT 1991	2	4,066,169	10	2,652,385	13	460,418	11	68,236
NOV 1991	5	2.730.824		0	17	96,407	12	72,615
DEC 1991	2	468,320		2,240,824	31	625,515	14	73,480
JAN 1992	0	0		466,820		129,807	15	116,673
			1	,-	1			
	}		} ' \		\		1	