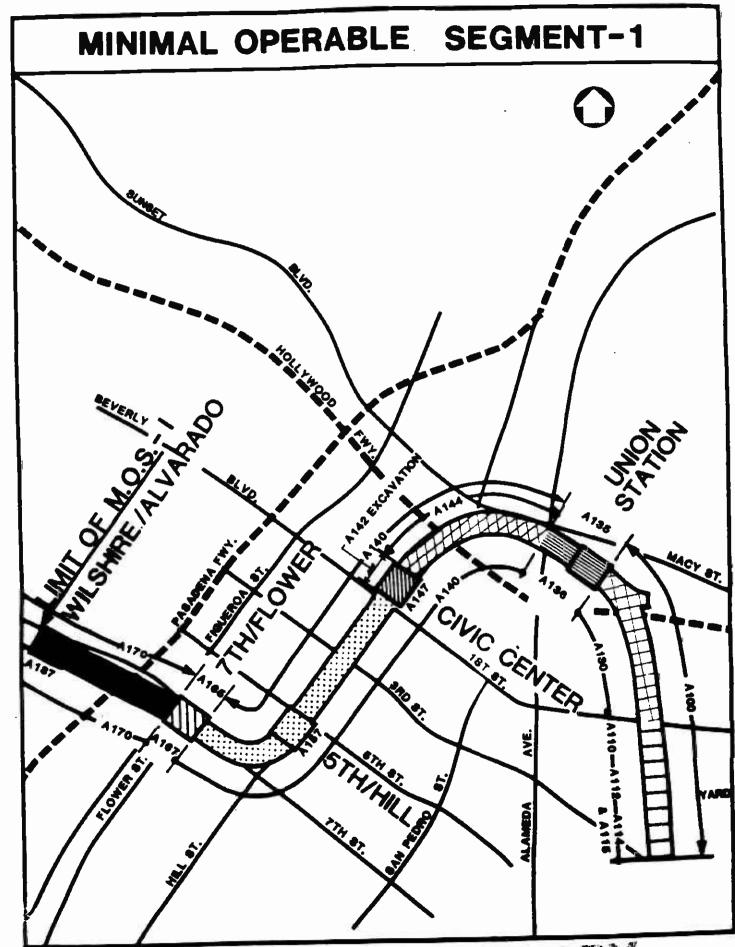
ST + S FORM

COST AND SCHEDULE STATUS REPORT SEPTEMBER 1984





MTA LIBRARY

TABLE OF CONTENTS

				<u>Page</u>
I.	BUDGE	T SUMMA	RY	
	A. B. C. D. E.	Total Total Total	Project Status Narrative Project Summary by MACS Code Project Status Graph Project Funding Breakdown Rail Open Professional Services cts	3 4 5 6 7-9
II.	CONTE	RACT EVA	LUATION	
	A.	Cost		
		(i) (ii) (iii) (iv)		12-13 14 15
			a) A100 b) A135 c) A140 d) A165 e) A170	16-19 20-23 24-27 28-31 32-35
	В.	Schedu	le	
		(i) (ii) (iii)	Design Schedule Status	37 38-43 44-45

SECTION I: BUDGET SUMMARY

2



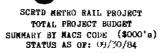
RTD METRO RAIL PROJECT STATUS NARRATIVE SEPTEMBER 1984

The Total Project Approved Budget is now \$269.473 million; which includes funds for advanced land acquisition. Expenditures to date total \$71.806 million.

The accompanying graph illustrates the planned expenditures of \$148 million against the actual expenditures. This variance of \$76 million is primarily due to the late issuance of contract NTP's and the late acquisition of R-O-W properties.

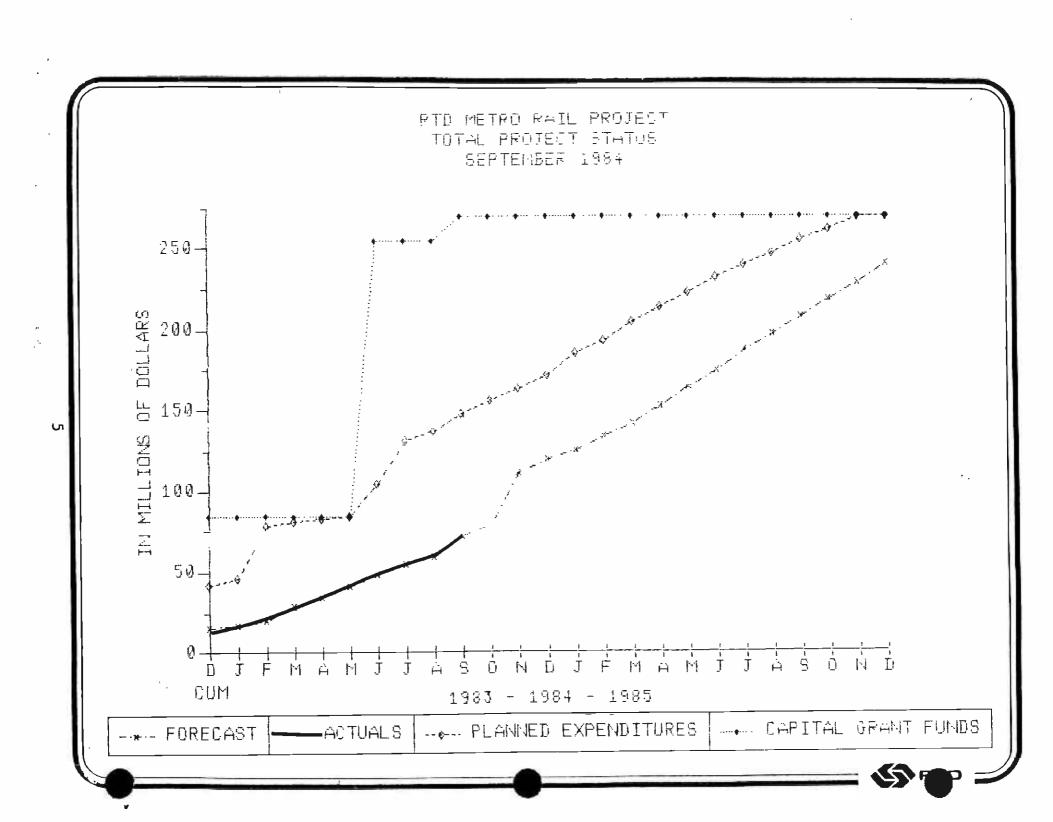
Presently, Preliminary Engineering is complete and Program Control is taking steps to close-out continued Preliminary Engineering.





			INOBLIGATED		(OB)	LIGATIONS TO	DATE	Ī		
APE	(MACS CODE) DESCRIPTION	RESERVED	COMMITTED (2)	TOTAL (3=1+2)	UNEXPENDED (4)	EXPENDED (5)	TOTAL (6=4+5)	APPROVED BUDGET (7)	DRAW DOWN FROM CONTINGENCY (8)	REVISED BUDGET (9=3+6)
02101	(20.02.01) Purchase of Support Autos	\$ 30	\$ - 0 -	\$ 30	\$ -0-	\$ - v -	\$ -0-	\$ 30	\$ - 0-	\$ 30
02102	(20.02.02) Purchase/Installation of Support Equipment	1,271	-0-	1,271	125	94	 219	1,490	- 0 -	1,490
02108	(20.02.07) Purchase/Installation of MIS Equipment	 177	- 0 -	177	825	-0-	825	1,000	- 0 -	1,000
02109	(20.02.08) Purchase/Installation of Communications Equipment	100	- 0 -	100	- 0 -	- 0 -	-0-	100	- 0 -	100
02145	(20.06.10) Yard & Shope Acquisition	32,435	-0-	32,435	43	152	195	32,630	- 0 -	32,630
02119	(20.06.10) Right-of-Way	77,644	-0-	77,644	i -0-	219	219	77,863	- 0 -	77,863
02103	(20.08.01) Professional Services Contracts for Eng. & Design	- 0 -	1,059	1,059	56,441	60,181	116,622	114,953	2,728	117,681
02111	(02.08.02) Professional Services Contracts for Conatr. Mgmt.	2,410	- 0 -	2,410	6,590	-0-	6,590	9,000	-0-	9,000
02112	(20.11.01) Owner Controlled Insurance	4,000	- 0 -	4,000	- 0 -	- 0 -	- 0 -	4,000	- 0 -	4,000
02104	(20.15.02) Force Account Work	2,110	- 0 -	2,110	- 0 -	5,036	5,036	7,146	- 0 -	7,146
02196	(20.16.00) General & Administrative	138	- 0 -	138	192	359	551	689	- 0 -	689
02105	(20.16.90) Other Supporting Services	1,951	- 0 -	1,951	- 0 -	799	799	2,750	- 0 -	2,750 ⁻
02107	(32.03.00) Contingencies	3,062	-0-	3,062	-0-	-0-	-0-	3,062	(2,728)	334
05401	(10.06.90) Advanced Land Acquisition	9,794	- 0 -	9,794	- 0 -	4,966	4,966	14,760	- 0 -	14,760
(GRAND TOTAL	\$ 135,122	\$ 1,059	\$ 136,181	\$ 64,214	\$ 71,806	\$ 136,020	\$ 269,473	\$ -0-	\$ 269,473

^{*} Does not include unmatched funds of \$ 33,284. (\$25,484 UMTA; \$3,000 State; \$4,100 LACTC; \$700 City)





FUNDING BREAKDOWN

			F	U N D I N	ì	SOURCE.		 . <u></u>			
	Funding Increment	UMTA Section 3	ŲMį	'A Section 9	Şt	ate Article XIX	ĻĄ	CTC STAF	City	of LA STAF	TOTAL
	Continued Preliminary Engineering, Phase I (9/82)	\$ 15,000,000	\$	-0-	\$	2,812,500	\$	937,500	\$	-0-	\$ 18,750,000
	Continued Preliminary Engineering, Phase II (4/83)	25,000,000		-0-		5,503,000		2,830,000		-0-	33,333,000 (1)
	SUB-TOTAL Continued Preliminary Engineering	\$ 40,000,000	\$	-0-	\$	8,315,500	\$	3,767,500	\$	-0-	\$ 52,083,000
	Acquisition of Santa Fe Rail Yard (2/83)	, \$ -0-	\$	-0-	\$	31,000,000	\$	1,630,000	\$	-0-	\$ 32,630,000
σ	Advanced Land Acquisition (9/83)	\$ -0-	\$	14,760,000	\$	-0-	\$	-0-	\$	-0-	\$ 14,760,000
.	Pre-Construction (5/84)	\$ 105,400,000	\$	-0-	\$	24,400,000	\$	33,900,000	\$	6,300,000	\$ 170,000,000 (2)
	Funds Available For Future Use/Match	\$ -0-	\$	25,483,720	\$	3,000,000	\$	4,100,000	\$	700,000	\$ 33,283,720
	TOTAL, ALL GRANT ALLOCATIONS	\$ 145,400,000	\$	40,243,720	\$	66,715,500	\$	43,397,500	\$	7,000,000	\$ 302,756,720

⁽¹⁾ Share ratio changes from 80% Federal/20% State and Local to 75% Federal/25% State And Local.

⁽²⁾ Local shares are tentative and include revenue financing.

RTD METRO RAIL PROJECT OPEN PROFESSIONAL SERVICES CONTRACTS

09/30/84

AUDIT #	CONTRACT	\$ _BUDGET
I. Tra	ansit Facilities	
2284-5 3138 3058 3172 3301 3237 3262 3211 3351 3320 3323 3464-A 3173-A 2160-6 2611-3 2274 3212	Lindvall Richter (Geotech. II) City of Los Angeles (Master Agreement) Los Angeles County Museum Pacific Bell CALTRANS Western Union Telegraph Dr. N.J. Maloney Eugene Stann John Gordon Julia Brown Alan Sieorty Dept. of Water & Power - Water Section Dept. of Water & Power - Power Section Barton Aschman County of Los Angeles (Staff Asst.) Carl Englund W.H. Patterson	480,900 693,000 24,500 156,000 2,553,000 49,000 1,500 7,000 20,000 20,000 20,000 90,000 360,000 161,700 229,300 14,153 7,000
<i>72</i> 12	Sub-Total	\$ 4,887,053
II. Syst 3394 3282 3090-1 3136-1 3170-1 3371 2218 2217	MIDCOM SRI International Cons. Fire Prot. District Booz-Allen & Hamilton Mellon Institute COMMUNICOM Commission de Transport Walter Woods	10,000 19,985 103,286 1,499,031 24,900 7,500 5,000 1,020
	Sub-Total	\$ 1,670,722

RTD METRO RAIL PROJECT OPEN PROFESSIONAL SERVICES CONTRACTS (CONT.)

09/30/84

AUDIT #	CONTRACT	\$ BUDGET
III. Pla	nning	
3010 3137 3254 2900-2 3328	Community Redevelopment Agency City of Los Angeles (Station Dev.) Schimpeler - Corradino Schimpeler - Corradino CMB Communications	542,000 573,000 847,213 151,000 2,500
	Sub-Total	\$ 2,115,713
IV. Real	. Estate Yard & Shops Acquisition	
2963 3033 3102-1	AT & SF Railway Lea Associates Robert Swanson	64,000 50,000 22,500
	Sub-Total	\$ 136,500
₿.	Other Real Estate	
3116 3175 3379 3357 3461 3462 3209 3463 2930 3407 3408	Chicago Title Insurance TICOR Title Insurance Joseph Gary Business Valuation Services Leon Beliavsky James Himes Arthur Anderson R.P. Laurain Lincoln Inst. of Land Policy Olof Olsen Edward Reilly	50,000 75,000 10,000 8,500 6,450 6,250 1,550 7,500 24,500 5,250 7,000
	Sub-Total	\$ 202,000

RTD METRO RAIL PROJECT OPEN PROFESSIONAL SERVICES CONTRACTS (CONT.)

09/30/84

AUDIT #	CONTRACT	\$ BUDGET
V. Legal		
2910-4 2943	NBMBW & M O'Melveney & Myers	115,000 100,000
	Sub-Total	\$ 215,000
VI. Misc	. Contracts	
3065 3030 3054 2499 2430 2940 2776	David Ashley Dillon Read & Co. Haverson International Barton-Aschman Bureau de Transit Metro Steve Mertz (U.S.C.) U.S.C.	7,000 24,900 24,900 4,121 2,187 5,000 4,320
	Sub-Total	\$ 72,428
	eral Consultant	106 105 060
2967	MRTC	106,425,960
	Sub-Total	\$ 106,425,960
VIII. Co	nstruction Management	
3369	PDCD	6,589,849
	Sub-Total	\$ 6,589,849
momat ode	N PROFESSIONAL SERVICES CONTRACTS	\$ 122,315,225
TOTAL OLD	m Thought simitade continue	,,,,,,,,

SECTION II: CONTRACT EVALUATIONS 10

COST A . 11

EXPLANATION OF TERMS

Cost Performance Index (C.P.I.)	-	Used to indicate the actual cost of each planned dollar of work accomplished.
		Earned Costs Actual Costs Spent
Cost Variance (C.V.)	-	The difference between the actual dollars spent and the actual dollars earned.
		= Actual \$ Spent - Earned \$
Current Contract Cost	-	The dollar value on which contractual agreement has been reached.
Expended	-	The entry into official RTD accounting ledgers of the use of resources.
Forecast at Completion	_	An estimate and prediction of the total cost of the contract.
<pre>Independent Estimate at Completion</pre>	-	A calculated EAC based on the current rate of cost performance.
		= Forecast at Completion C.P.I.
Negotiated Contract Changes	-	The cumulative cost applicable to definitized contract changes which have occurred since the beginning of the contract.
Original Contract Cost	-	The dollar value negotiated in the original contract.
Pending Changes	-	The estimated cost for contract changes that have yet to be negotiated or approved.
Percent Complete	-	A comparison of the completion status to the current projection of total work.
Productivity	_	A relative measure of labor efficiency compared to an established base.
		= \frac{\% \complete \x \text{Total MH forecast}}{\text{MH's spent}}

To Complete Performance Index

(T.C.P.I.) -

Basically a comparison of the work remaining to the amount of money remaining. The results of this formula indicate the cost efficiency the contractor must perform to meet the Forecast at Completion.

 $= \frac{\texttt{Forecast at Completion - Earned Costs}}{\texttt{Forecast at Completion - Actual \$ Spent}}$

Variance

Any actual or potential deviation from a budget or plan.

The second second

METRO RAIL PROJECT SECTION DESIGN EVALUATION SUMMARY SEPTEMBER 1984

! ! 		TOT % COMF		CURRENT INCRE-		CTIVITY	ORIGINAL NEGOTIATED	FORECAST AT	COMPLETION	TO COMPLETE
N I T IO.	DESCRIPTION	F'CAST	ACTUAL	MENTAL PROGRESS	MHRS	i \$\$	CONTRACT AMOUNT	MRTC	TSD PROJECTED	AVERAGE EFFICIENCY
 108-1	CONTRACTS:									
==== \100	YARD AND SHOPS	! 79 %	75%	======= ! 5 !	93%	94%	\$ 4,080,878	\$ 6,617,000	\$ 7,039,360	124%
135	UNION STATION	85%	80%	3	99%	99%	2,946,000	3,913,000	3,920,202	106%
140	CIVIC CENTER/5TH & HILL/LINE	56%	54%	4	114%	119%	6,203,707	6,816,439	5,705,882	84%
165	7TH & FLOWER	82%	82%	4	105%	103%	2,129,587	3,940,000	3,557,281	87%
	WILSHIRE/ALVARADO + LINE	85%	85%	4	105%	105%	3,119,430	4,016,000	3,824,762	80%
====	SUBTOTAL MOS-1 CONTRACTS:	======	======	=========	======	=====	\$ 18,479,602		\$ 24,147,487	
	NING CONTRACTS:					= 				:==============
	WILSHIRE/VERMONT	80% 80%	====== 78%	ļ 3	97%	98%	\$ 1,541,126	\$ 2,401,677	\$ 2,347,000	110%
220	WILSHIRE/NORMANDIE & WILSHIRE/WESTERN + LINE	39%	37%	3	98%	106%	4,676,695	5,172,752	4,940,566	97%
240	WILSHIRE/CRENSHAW	50%	45%	4	97%	92%	2,394,790	2,685,528	2,935,000	108%
245	WILSHIRE/LA BREA	73%	73%	3	128%	126%	1,608,579	1,976,529	1,551,587	65%
250	WILSHIRE/FAIRFAX + LINE	29%	34%	9	124%	136%	3,956,421	4,387,000	3,293,000	.88%
275	FAIRFAX/BEVERLY	58%	60%	10	99%	97%	2,275,000	2,674,150	2,788,660	107%
310	FAIRFAX/SANTA MONICA & LA BREA/SUNSET + LINE	29%	29%	 4	107%	110%	4,409,415	4,582,415	4,140,000	97%
350	HOLLYWOOD/CAHUENGA	43%	43%	5	97%	105%	2,071,181	2,399,160	2,295,238	97%
410	LINE FROM HOLLYWOOD/CAHUENGA TO UNIVERSAL CITY	62%	62%	10	100%	97%	2,627,160	2,327,160	2,437,113	106%
415	HOLLYWOOD BOWL	34%	34%	9	48%	47%	2,013,910	1,017,000	2,163,830	237%
425	UNIVERSAL CITY	53%	51%	8	119%	105%	2,403,180	2,903,280	2,495,238	96%
430	LINE FROM UNIVERSAL CITY TO NORTH HOLLYWOOD	62%	 55%	6	106%	117%	1,968,766	2,144,966	1,793,162	85%
	NORTH HOLLYWOOD	39%	41%	8	116%	119%	2,141,868	2,564,494	2,135,037	90%
====	SUBTOTAL REMAINING CONTRACTS:	======	-3====		=====	======	\$ 34,088,091	\$ 37,236,111	\$ 35,315,431	
	SUBTOTAL MOS-1 CONTRACTS:						\$ 18,479,602	\$ 25,302,439	\$ 24,147,487 	
	GRAND TOTAL:						\$ 52,567,693	\$ 62,538,550	•	

^{*} FOR CONTRACTS TO BE COMPLETED AT MRTC'S FORECAST

RTD METRO RAIL PROJECT SYSTEMWIDE CONTRACTS DESIGN, INSTALLATION, PROCUREMENT, FURNISH AND SERVICE SUMMARY

STATUS DATE: September 30, 1984

CONTRACT NUMBER	 	% COMPLETE	CURRENT WORKING ESTIMATE MOS-1
A610	Mainline Trackwork Design	31	10,700,000
 A611	Running Rail Specifications	64	3,500,000
 A613	 Timber Tie Specifications	60	1,600,000
 A614	 Special Trackwork Design	i 61	2,200,000
 A616	 Trackwork Fasteners	0	3,600,000
 A617	¦ ¦ Rail Welding	0	700,000
A 6 1 8	Yard Trackwork Design	i 25	2,967,600
i A612, A615 A630	 	74	4,826,700
A 631	Traction Power Installation	13	4,743,000
A 620	Automatic Train Control	49	16,637,700
A 640	Communications	50	13,503,600
A 650	Passenger Vehicles	60	38,781,000
A660	Fare Collection	43	6,779,700
A 670	Auxiliary Vehicle (Locomotive)	80	920,700
A710	Escalators	95	11,800,000
A720	Elevators	i i 95	2,000,000
A740	Fans and Blowers	95	7,200,000
 A745	Air Handling Units	40	200,000
A750	Tunnel Liners	85	N/A
A760	Signing	30	600,000

CONTRACT NO. : Al00 Yard & Shops CONTRACT START DATE: 7/13/83

CONTRACT START DATE: 7/13/83

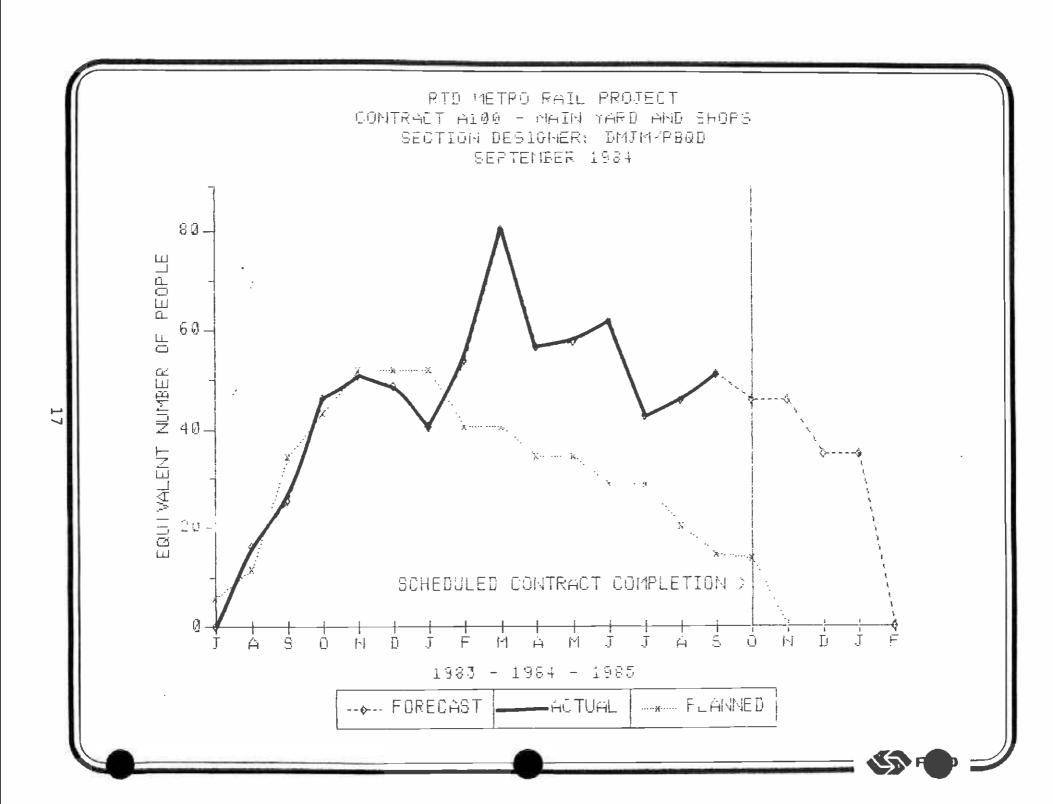
CONTRACTOR : DMJM/PBQD SCHEDULED COMPLETION DATE: 1/07/85

REPORT PERIOD: September 1984

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ORIGINAL	NEGOTIATED	CURRENT	PENDING	FORECAST	EXPENDED	VARIANCE
CONTRACT	CONTRACT	CONTRACT	CHANGES	A·Γ	1	Į.
COST	CHANGES	COST [!	COMPLETION	1	ļ
	 	(1) + (2)		(3) + (4)	ļ	(5) - (6)
4,081,000		4,081,000	2,536,000	6,617,000	5,288,000	1,329,000
		CUMU	ILATIVE TO DATE			
*	*	\$	\$ CO:	ST	8	\$
COMPLETE	YT TVJ 5 SUCERA	C.P.C.	VAREA	NCE .	r_C.P.C.	L.E.A.C.
75	93	.94	325, 25)	124	7,039,360

CONCLUSIONS AND OBSERVATIONS:

Productivity is increasing, yet contractor is getting further behind in progress. This contractor is being forecast to complete the final 25% of progress in the next 4 months. This is highly unlikely based on prior performance. Based on the above calculations it will take the contractor 9 more months to complete design, making a total of 22 months to complete this contract.



CONTRACT NO. : A135 Union Station CONTRACT START DATE: 7/13/83

CONTRACTOR : Harry Weese & Associates SCHEDULED COMPLETION DATE: 7/12/84

REPORT PERIOD: September 1984

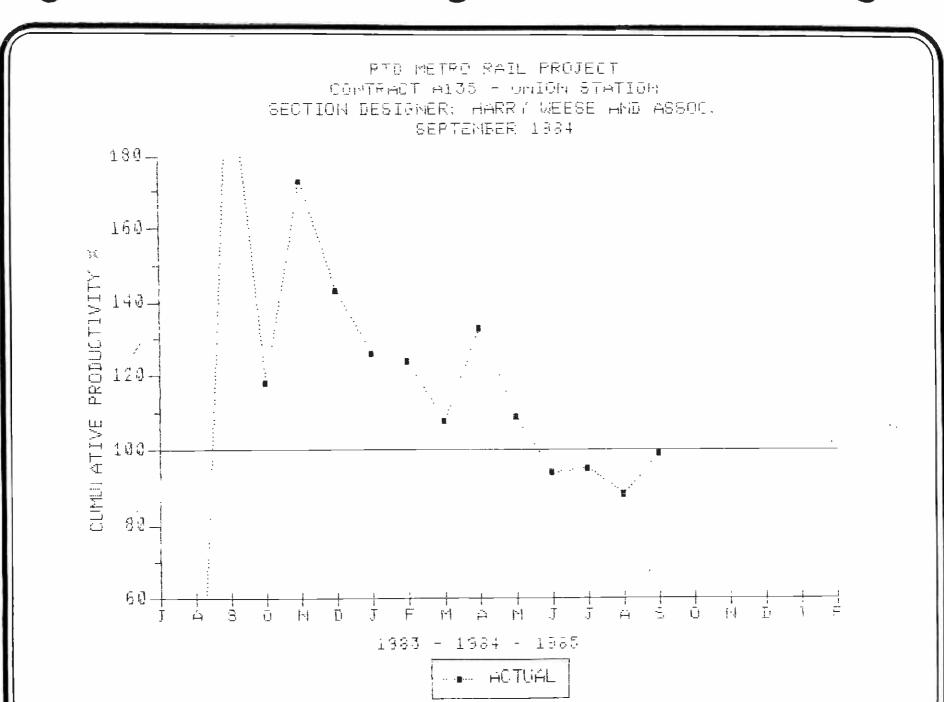
80	99	.99	45,000		106	3,920,202
OMPLETE	PRODUCTOVCTA	6.6.0	VARIAN	ce r.	G.P.C.	I.E.A.C.
*	*	\$	\$ Cos	Ţ.	*	\$
		СИМИ	LATIVE TO DATE			
	<u> </u>					<u> </u>
2,897,000	-0-	2,897,000	1,016,000	3,913,000	3,149,000	764,00
*******		(1) + (2)		(3) + (4)		<u> (5) ~ (6)</u>
COST	CHANGES	cost l	Į.	COMPLETION		ļ
CONTRACT	CONTRACT	CONTRACT	CHANGES	ΑΓ	7 11 17 15 15	1
ORIGINAL	NEGOTIATED	CURRENT	PENDING	FORECAST	EXPENDED	VARIANCE
(1)	(2)	(3)	(4)	(5)	(6)	(7)

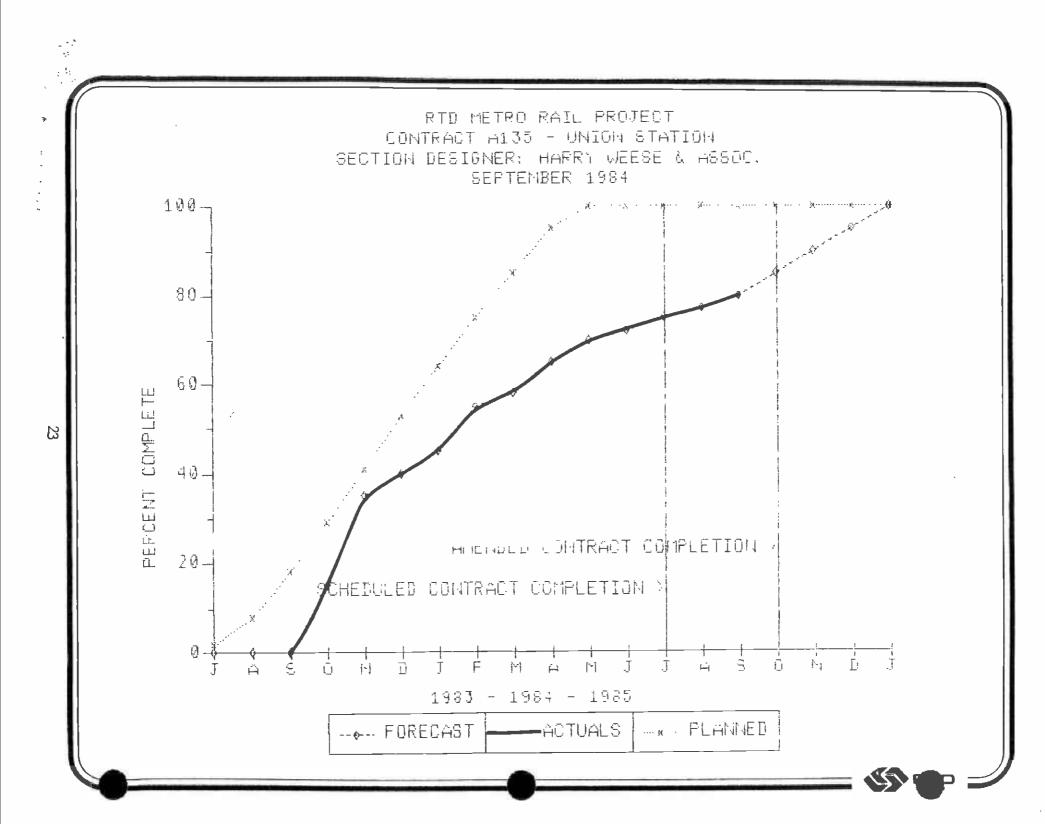
CONCLUSIONS AND OBSERVATIONS:

According to an October 17, 1984 communication from the SCRTD Project Manager, changes to Union Station total \$761,459, not \$1,016,000 as stated in the Trend Report. Therefore, the Project Manager feels that the estimate to completion (EAC) above is excessive. The contract is behind schedule; a schedule of remaining work items has been submitted.

PTO METPO RAIL PROJECT







CONTRACT NO. : A140 Civic Center/5th & Hill

CONTRACTOR : Delon Hampton & Associates

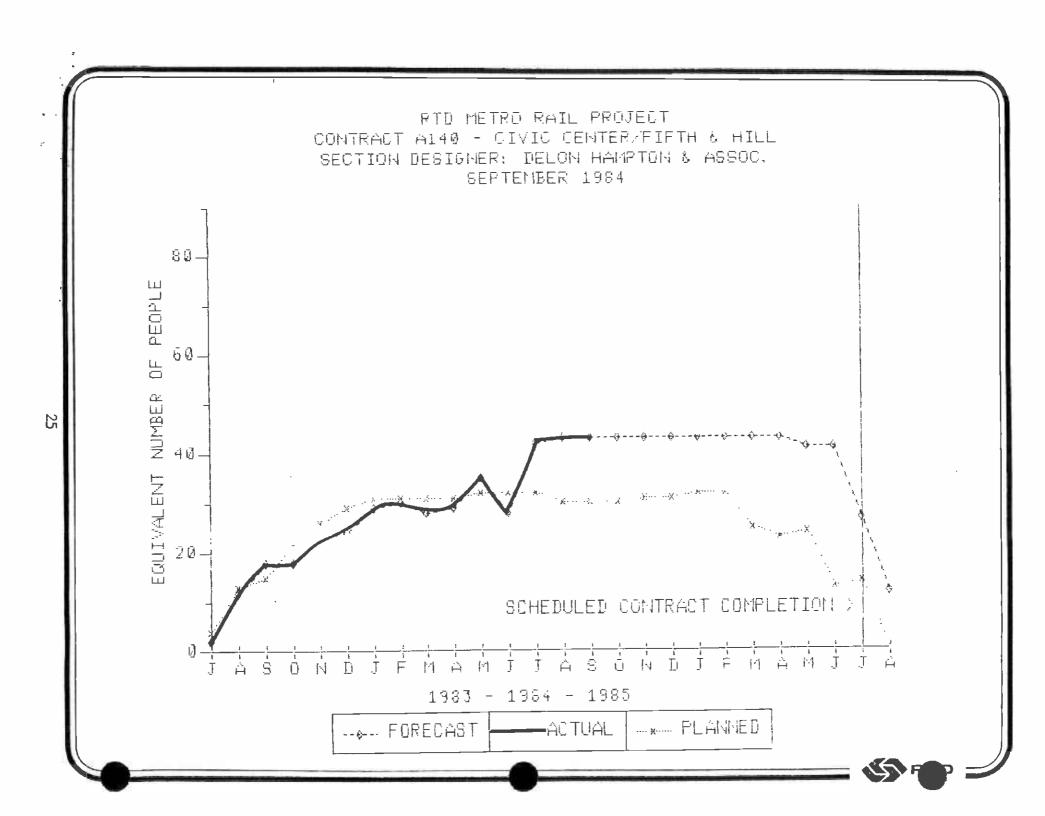
REPORT PERIOD: September 1984

CONTRACT START DATE: 7/27/83 SCHEDULED COMPLETION DATE: 7/15/85

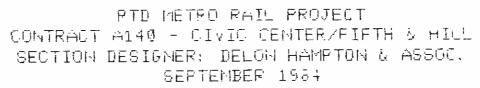
MELONI TENTOR	. Dopocarbei ()-					
(1) ORIGINAL CONTRACT COST	(2) NEGOTIATED CONTRACT CHANGES	(3) CURRENT CONTRACT COST (1) + (2)	(4) PENDING CHANGES	(5) FORECAST AT COMPLETION (3) + (4)	(6) EXPENDED	(7) VARIANCE (5) - (6)
8,761,000	6,732	6,210,439	606,000	l 6,816,439	3,082,000	3,734,439
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Cl	UMULATIVE TO DATE	OST	*	T.E.A.C.
COMPLETE	PRODUCTIVITY	C.P.I	\$		T.C.P.I.	<u>I.E.A.C.</u> 5,705,882
54	114	1.19	<584,60			5,105,002

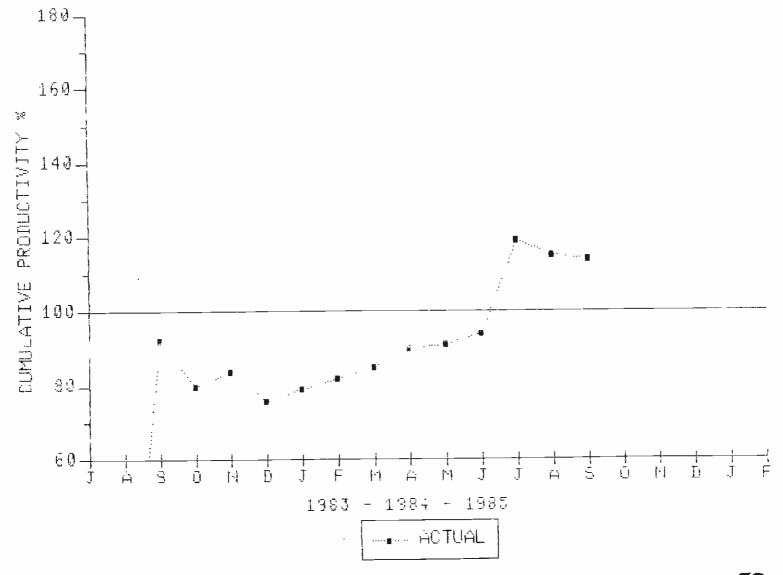
CONCLUSIONS AND OBSERVATIONS:

The contractor maintains satisfactory progress and this contract is projected to be completed within forecasted cost and schedule.









CONTRACT NO. : Al65 7th/Flower Station CONTRACTOR : Gannett Fleming/Dworsky

REPORT PERIOD: September 1984

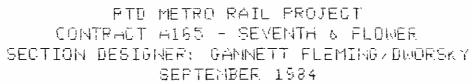
CONTRACT START DATE: 08/09/83 SCHEDULED COMPLETION DATE: 10/14/84

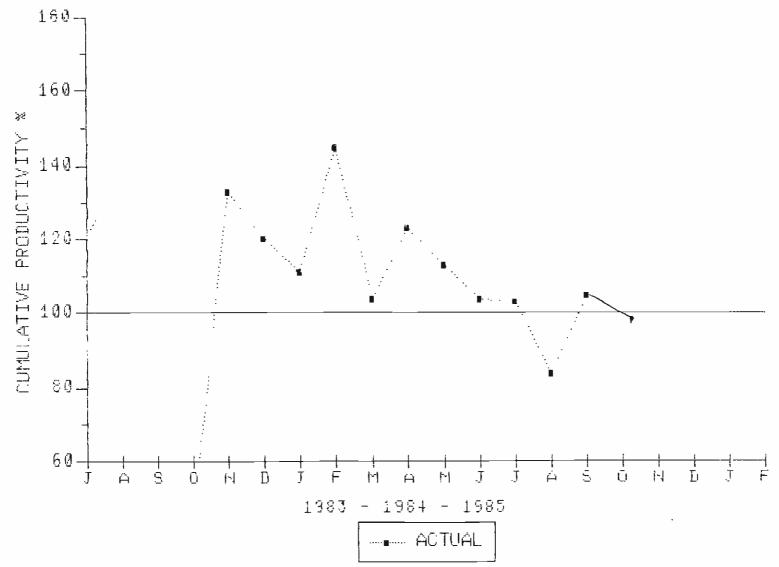
(1)	(2) (3)		(4)	(5)	(6)	(7)		
ORIGINAL	NEGOTIATED	CURRENT !	PEN 2EN 3	FORECAST	EXPENDED	VARIANCE		
CONTRACT	CONTRACT	CONTRACT !	CHANGES	AT	1	ļ		
COST	CHANGES	onst i	ļ	COMPLETION	!			
	 	(1) + (2)		(3) + (4)	<u>.</u>	(5) - (6)		
2,129,587	532,515	2,562,102	1,277,898	3,940,000	2,903,000	1,037,000		
		CUMI	STAC CT SVITAGE					
8	8	\$	\$ COS	ŗ	8	\$		
COMPLETE	BEDONG LEATHA	C.P.[.	VARIAN		l.C.P.I.	t.e.A.C.		
82	1.05	1.03	101,480		87	3,557,281		

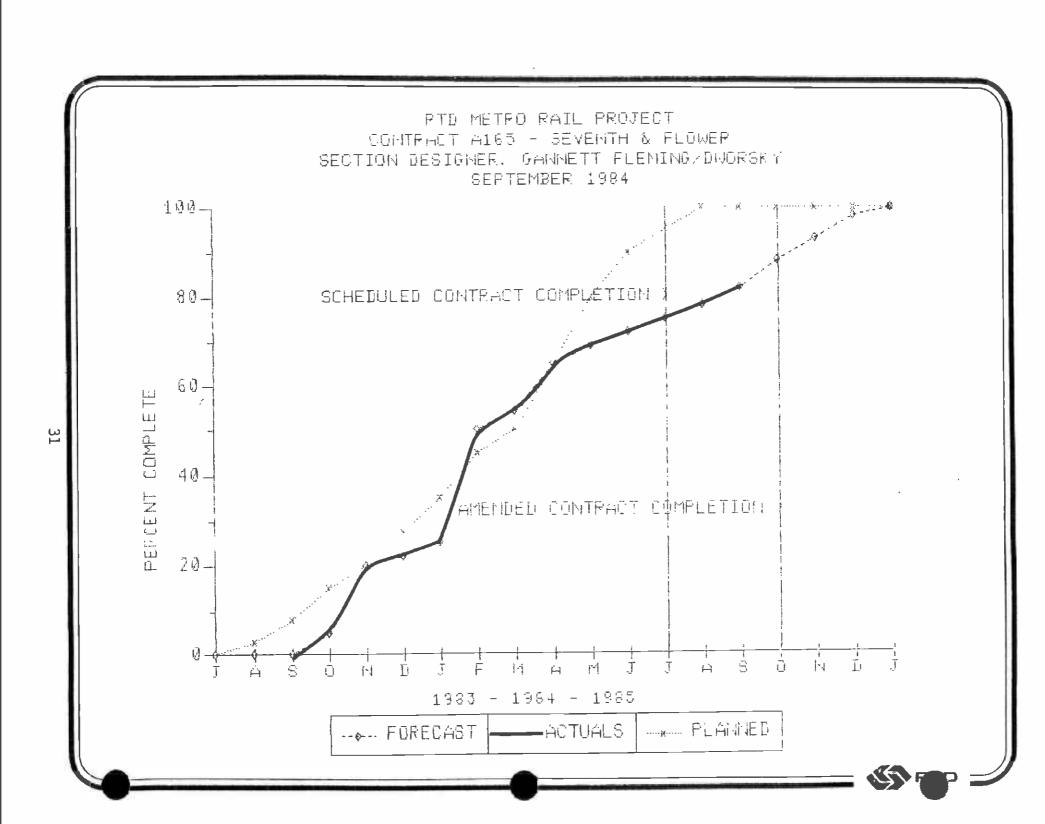
CONCLUSIONS AND OBSERVATIONS:

The consultants cost and labor performance has improved considerably from last month with productivity increasing by 25% and the C.P.I. by 21%. All indications point to the consultant completing the contract under the currently forecasted amount.









CONTRACT NO. : A170 Wilshire/Alvarado Station CONTRACT START DATE: 08/09/83

CONTRACTOR : Sverdrup Corporation

REPORT PERIOD: September 1984

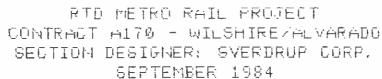
SCHEDULED COMPLETION DATE: 12/28/84

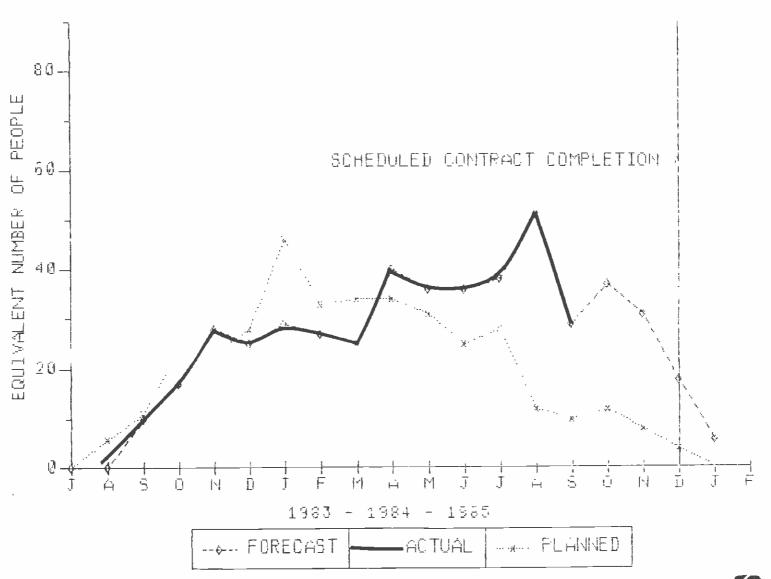
ORIGINAL CONTRACT COST	NEGOTIATED CONTRACT CHANGES	CURRENT CONTRACT COST (1) + (2)	PENDING Changes	FORECAST AT COMPLETION (3) + (4)	EXPENDED -	VARIANCE (5) - (6)
3,119,430	230,781	3,350,211	665,789	4,016,000	3,266,000	750,000
COMPLETE	PRODUCTIVITY	C.P.I.	MULATIVE TO DATE C VARI	óst Ange t	<u>.ç.e.i.</u>	I.E.A.C.
85	1.05	1.05	147,60	00	80	3,824,762

CONCLUSIONS AND OBSERVATIONS:

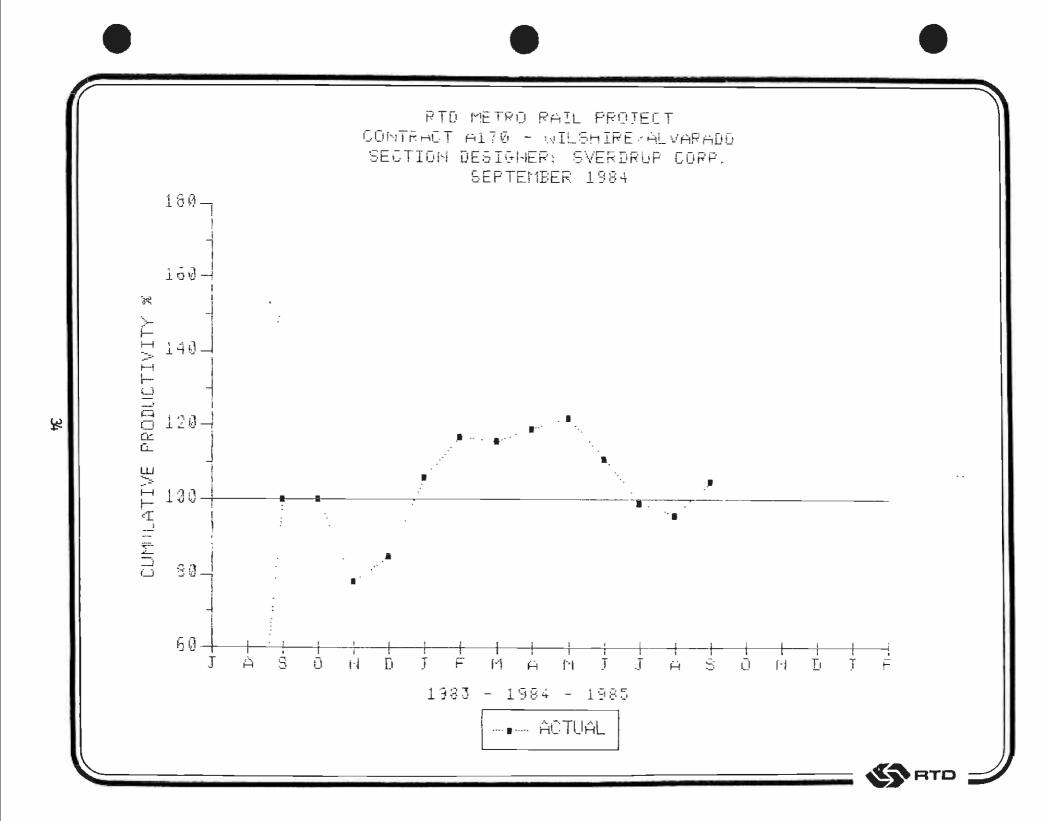
The consultant's downward trend in productivity and cost performance has been reversed this month. Work has been progressing on a satisfactory basis and the consultant staffing levels are being reduced to correspond to the reduced workload.

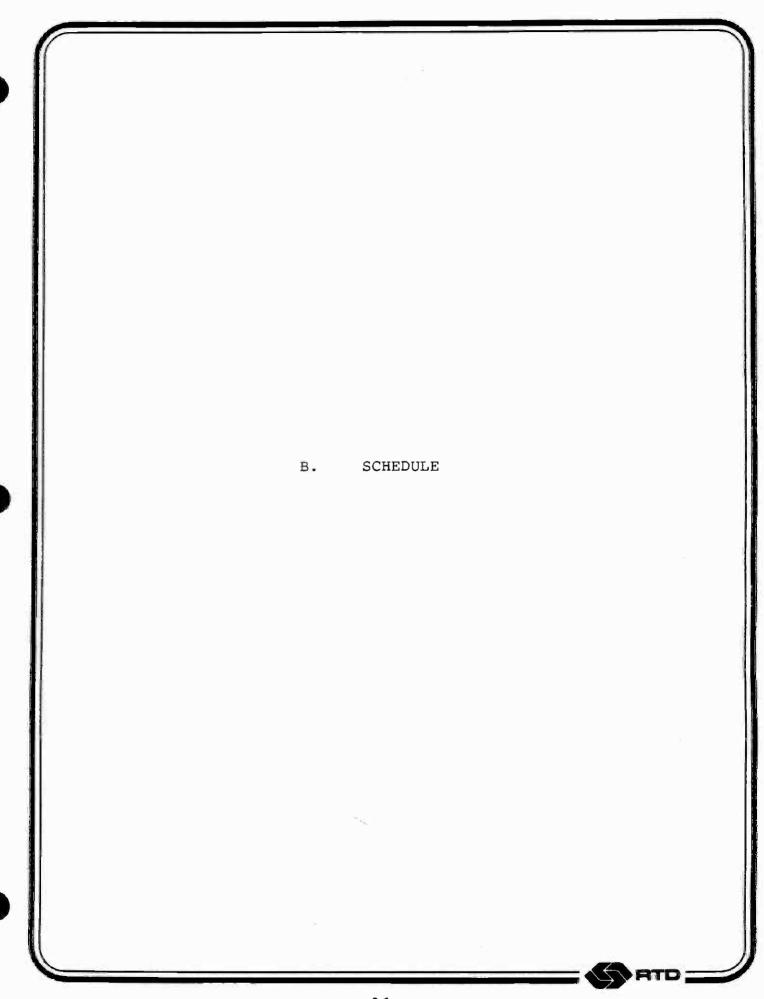












MOS-1 CRITICAL PATH

The Critical Path (MOS-1) defined in the Level II Schedule originates at Design Contract A170 (Wilshire/Alvarado Station and Line Section) and continues to Design Completion and the Construction Bid Process. This path follows construction through Utility Relocation, Support and Excavation, Tunnel Excavation and Invert Placement. The path then shifts to Trackwork Installation and on to Automatic Train Control and Communications Cabling and Installation to Energization of the system. The path then continues through Vehicle Acceptance Testing, Dynamic Testing and finally to Simulated Revenue Service Tests.

10/25/84 PC-14.8

METRO RAIL PROJECT DESIGN SCHEDULE STATUS

STATUS AS OF: September 30, 1984

,											Page 1	of 6
į	NOTICE	CONTRACT	60% SUBI		85% SUBA		100% SU		BID DOX	CUMENTS	CURR MONTH	TOTAL
i i	TO OT	TIME OF	ί	F CAST(F)		F'CAST(F)		F'CAST(F)	ł	F'CAST(F)	SLIPPAGE	DELAY
DESIGN CONTRACTS	PROCEED	PERFORM.	SCHEDULE	ACTUAL(A)	SCHEDULE	ACTUAL(A)	SCHEDULE	ACTUAL(A)	SCHEDULE	ACTUAL(A)	(C.D.)	(WEEKS)
{ MOS⊸1:	}								ļ !	!	! i	
YARD & SHOPS	07/13/83	10/15/84	! !					}	l L	!	!	
A112			02/01/84	06/14/84A	03/28/84	10/08/84F	05/23/84	11/12/84F	· -	12/10/84F	! - !	8
A114			! -	01/27/84A	04/25/84	05/30/84A		08/27/84A	-	09/10/84A	} _ !	_
A115			09/10/84	09/24/84A	10/08/84	_	12/10/84	12/10/84F	_	01/07/84F	(_ (12
A130	ļ	_	03/07/84	09/10/84A	05/02/84	10/29/84F		01/07/85F	! _	01/29/85F	i _ i	15
UNION STATION	07/13/83	10/09/84			03, 02,01	10,23,012	00/2//07	,,		!	! ['''
A135 STAGE I	(17.27-2	, . , . ,	02/01/84	03/09/84A	04/01/84	11/30/84F	06/01/84	02/01/85	07/18/84	03/15/85F	! [!	22
A136 STAGE II			02/01/84	03/09/84A	04/01/84	11/30/84F	06/01/84	02/01/85F	07/18/84	03/15/85F		22
1 190 52 11			! OE/01/04	1 00/00/04/1	1	117,50,041	00/01/04 -	02/01/0 <i>7</i> #	1	1 (0)/1/0/2	;	22
CIVIC CENTER/			!	ļ		ļ		!	ł	ł	i i	
5TH & HILL	07/27/83	07/27/85	¦ '					¦ '	ļ	¦	¦ ¦	
A140 STAGE I	01/21/0	01/21/65	00/01/04	00/01/014	07/04/05	07/04/055	06 /4 0 /05	06/40/050	07 4 5 105	00 45 650	¦	
		İ	08/01/84	08/01/84A	03/01/85	03/01/85P		06/10/85F	07/15/85	07/15/85F	i - i	-
A142 EXC./SUP.			08/01/84	07/16/84A	09/07/84	09/21/84A	10/15/84	11/15/84F	11/15/84	11/15/84F	i - i	_
A147 STAGE II		i	08/01/84	08/01/84A	03/01/85	03/01/85F		06/10/85P	07/15/85	07/15/85F	i - i	-
A 157 STAGE II			08/01/84	08/01/84A	03/01/85	03/01/85F	06/10/85	06/10/85F	07/15/85	07/15/85F	j - j	-
Í		+								ļ	į į	
7TH & FLOWER	08/09/83	10/15/84									i i	
A165 STAGE I			02/07/84	03/12/84A	05/22/84	11/19/84F		01/14/85F	10/14/84	03/01/85F	; - ;	19
L A167 STAGE II 🔓			02/07/84	03/12/84A	05/22/84	11/19/84 F	08/07/84	01/14/85 F	10/14/84	03/01/85 F	: - :	19
j ;			}	}				}	,	1	; ;	
WILSH./ALVARADO	08/09/83	12/07/84								1 [; ;	
A170 STAGE I			02/14/84	02/16/84A	05/30/84	10/21/84F	08/14/84	11/30/84F	09/26/84	12/21/84F	-	2
A 187 STAGE II			04/02/84	05/07/84A	07/25/84	10/26/84F		11/09/84F	12/28/84	01/25/85 F	: 35 {	7
<u> </u>		ļ	}				}		}	1	1	
1			!						l I	ļ I	!!	

^{*} Amendment #6 - Time of Performance Extension

METRO RATE PROJECT DESIGN SCHEDULE STATUS

STATUS AS OF: September 30, 1984

Page 2 of 6

NOTICE CONTRACT 60% SUBMITIVAL 85% SUBMITTAL 100% SUBMITTIAL BID DOCUMENT CURR MONTH TOTAL | F'CAST(F)| | F'CAST(F) | F'CAST(F) | SLIPPAGE | TO TIME OF F'CAST(F) DELAY DESIGN CONTRACTS | PROCEED PERFORM. | SCHEDULE | ACTUAL(A) | SCHEDULE | ACTUAL(A) | SCHEDULE | ACTUAL(A) | SCHEDULE | ACTUAL(A) | (C.D.) | (WEEKS) BEYOND MOS-1 WILSH./VERMONT 08/12/83 | 08/11/84 02/07/84 | 02/10/84A | 05/22/84 | 11/30/84F| 08/07/84 22 A195 STAGE T A197 STAGE II 02/07/84 | 02/10/84A | 05/22/84 | 11/30/84F| 09/21/84 25 A222 TUNNEL 10/10/83 10/08/84 | 05/25/84A | 04/08/85 | 11/30/84F| 10/07/85 WILSH, WESTERN A220 STAGE I 08/05/84 | 08/23/84A | 11/05/84 | 12/13/84F| 02/04/85 08/23/84 | 08/23/844 | 11/05/84 | 02/14/95F| A237 STAGE II WILSH./NORMANDIE 12/03/84 | 01/17/85F | 03/04/85 | 04/11/85F| 05/03/85 A220 STAGE I 12/03/84 | 01/17/85F | 03/04/85 | 95/30/85F| A227 STAGE II WILSH./CRENSHAW 01/27/84 | 01/26/85 A240 STAGE I 07/26/84 | 09/13/84A | 11/01/84 | 11/15/84F| 01/14/85 07/25/84 | 09/13/85A | 11/01/84 | 11/15/85F| 01/14/85 A242 STAGE II WILSH./LA BREA 10/10/83 | 10/15/84 04/16/84 | 05/07/84A | 07/07/84 | 11/05/84F| 10/16/84 A245 STAGE I 04/15/84 | 05/07/84A | 07/07/84 | 11/05/84F 10/16/84 A247 STAGE II WILSH./FAIRFAX & LINE 03/02/84 | 06/17/85 | 11/12/84 | 11/12/84F | 03/04/85 | 03/04/95F| 05/06/85 A250 STAGE I 11/12/84 | 11/12/84F | 03/04/85 | 03/04/85F 05/06/85 | A257 STAGE II

40

10.25.84 PC-14.8

METRO RAIL PROJECT DESIGN SCHEDULE STATUS

STATUS AS OF: September 30, 1984

Page 3 of 5

CONTRACT 60% SUBMITTIAL 85% SUPMITTAL 100% SUPMERTAL BID DOCUMENTS CURR MONTH TOTAL NOTICE TIME OF | F'CAST(F) F'CAST(F) | F'CAST(F) | F'CAST(F) | SLIPPAGE | DELAY TO SCHEDULE | ACTUAL(A) SCHEDULE | ACTUAL(A) | SCHEDULE | ACTUAL(A) | SCHEDULE | ACTUAL(A) (C.D.) (WEEKS) DESIGN CONTRACTS PROCEED | PERFORM. 12/30/B3 | 12/27/84 FAIRFAX/BEVERLY A275 STAGE I 06/28/84 | 06/28/84A | 09/27/84 | 10/01/84F| 12/27/84 05/28/84 | 05/28/84A | 09/27/34 | 10/01/94F| 12/27/84 A277 STAGE II FAIRFAX/SANTA MONICA & TUNNEL 12/05/83 | 12/05/85 A320 STAGE I 11/10/84 | 11/08/84F | 03/10/85 | 03/10/85F| 06/10/85 11/10/94 | 11/10/84F | 03/10/85 | 03/10/85F| 05/10/95 A327 STAGE II LA BREA/SUNSET 02/10/85 | 02/10/85F | 05/25/85 | 05/25/85F! 10/10/85 A330 STAGE I 02/10/85 | 02/10/85F | 06/25/85 | 06/25/85F| 10/10/85 A347 STAGE II HOLLEYWOOD/ CAHUENGA 12/29/83 | 05/02/85 A350 STAGE I 08/27/84 | 09/10/844 | 02/11/85 | 02/11/85F A352 STAGE [T 08/27/34 | 09/10/84A LINE BEIWEEN HOLLYWOOD/ CAHUENCA AND UNIVERSAL CITY 12/29/83 | 12/29/84 | 05/28/84 | 07/31/84A | 09/28/84 | 10/30/84F| 12/28/84 A410 HOLLYWOOD BOWL 02/13/84 | 02/11/85 | 08/13/84 | 11/02/84F A415 02/13/84 | 02/11/85 UNIVERSAL CITY 08/13/84 | 08/15/84A | 11/19/84 | 11/19/84F| 02/11/85 4425 STAGE I A427 STAGE II 08/13/84 | 08/15/84A | 11/19/84 | 11/19/84F|

METRO RAIL PROJECT DESIGN SCHEDULE STATUS

STATUS AS OF: September 30, 1984

Page 4 of 6

NOTICE | CONTRACT | 50% SUBMITITAL 85% SUBMITITAL 100% SUBMITTAL I BID DOCUMENTS CURR MONTH TOTAL F'CAST(F) TO TIME OF | F'CAST(F) | | F'CAST(F)| | F'CAST(F) | SLIPPAGE | DELAY DESIGN CONTRACTS PROCEED | PERFORM. | SCHEDULE | ACTUAL(A) | SCHEDULE | ACTUAL(A) | SCHEDULE | ACTUAL(A) | SCHEDULE | ACTUAL(A) (C.D.) (WEEKS) LINE BEIWEEN UNIVERSAL CITY & NO. HOLLYWOOD A430 12/29/83 | 12/29/84 | 07/06/84 | 08/06/84A | 10/08/84 | 10/08/84F| 12/28/84 DOOMYTH HILLON 12/29/83 | 06/28/85 09/20/84 | 09/20/84F | 01/31/85 | 01/31/85F| 05/27/85 A445 STAGE I A447 STAGE II 09/20/84 | 09/20/84F | 01/31/85 ! 05/27/85 SYSTEMMIDE A610 MAINLINE TRACKWORK 03/01/84 01/15/85 | 01/15/85F | 05/15/85 | 05/15/85F | 07/05/85 | 09/01/85F | 11/01/85 | 11/01/85F A611 RUNNING 07/13/84 | 07/13/84A | 10/15/84 | 10/15/84F| 12/05/84 | 12/05/84 RAIL SPEC. 05/01/84 02/01/35 | 02/01/85F A613 TIMBER TIE 09/14/84 | 09/14/84F | 12/14/84 | 12/14/84F| 02/05/85 | 02/05/85F | 03/20/85F | 03/20/85F SPEC. 08/01/84 A614 SPECIAL 09/07/84 | 09/07/84F | 11/01/84 | 11/01/84F| 02/01/85 | 02/01/85F | 04/15/85F TRACKWORK 02/15/84 ASIS DIR. FIX. FASTENER SPEC. 10/01/84 02/15/85 | 02/15/85F | 05/01/85 | 05/01/85F| 05/20/85 | 06/20/85 | 09/01/85 | 08/01/85F A617 RAIL | 11/30/84 | 11/30/84F | 03/01/85 | 03/01/85F| 04/19/85 | 04/19/85F | 06/04/85 | 06/04/85F WELDING SPEC. 08/31/84

METRO RAIL PROJECT DESIGN SCHEDULE STATUS

STATUS AS OF: September 30, 1984

	NOTICE	CONTRACT!	504 91	MITTAL	95% SUBMETITAL 100% SUBM			BMETFAL BED DOCUMENTS			Page CURR MONTHI	5 of 5
	TO	TIME OF	. ~	F'CAST(F)		F'CAST(F)		F'CAST(F)		LUTENTS F'CAST(F)	SLIPPAGE	DELAY
DESIGN CONTRACTS	PROCEED	PERFORM.	SCHEDULE					ACTUAL (A)			(C.D.)	(WEEKS)
A618 YARD	 		 	 		 		 			[
TRACKWORK	05/01/84	-	01/02/85	01/02/85F	04/01/85	04/01/85	05/20/85	05/20/85F	07/23/85	07/23/85F	i - i	-
A620 ATC	05/02/83	-	09/29/84	-	12/09/84	-	04/19/85	 04/19/85F 	06/07/85	06/07/85F	! ! ! - !	_
A630 TRACTION		! 	 	 	l İ			 	 	l 	[
POWER EQUIP.	02/01/84 	-	04/30/84 	05/29/84A	11/30/84	11/30/84F 	02/25/85	02/25/84F	-	-	i – i	_
A640 COMM.	05/02/83	-	03/30/85	03/30/85F	05/30/85	05/30/85E	07/30/85	 07/30/85P -	-	-	- 1	-
A650 PASS. VEHICLES	 	 	 	07/22/948	 			! !			! ! ! !	
VERTICUES	03/02/63	-	U1/23/84 	07/23/84A	 	1.2/03/84 	02/15/85	- 	-	→	! - ! !	-
A660 FARE COLLECTION	05/02/83	<u> </u>	 11/01/84	-	 06/01/85	 06/01/85	01/02/86	 01/02/86F	-	_		_
A670 - 671		 				 		 			! I	_
LOCOMOTIVE	05/02/83	-	05/01/84	05/11/844	10/01/84	10/18/84F	02/15/85	02/15/85F	-	-	i - i	-
A710 ESCALATORS	05/02/83	-	01/30/84	02/08/84A	05/01/84	05/21/84A	06/01/84	10/22/84F	-	12/03/84	 –	-
A720 ELEVATORS	05/02/83	-	05/01/84	07/05/844	N/A	N/A	07/01/84	10/15/84F	-	11/26/84	-	-
A740 Fans I	01/15/84	-	04/02/84	04/15/84A	09/24/84	 09/24/84F	05/02/85	05/02/85F	05/13/85	05/13/85F	- !	
 A745 TPSS AIR HANDLING BOUTP.	 05/15/84			_	_	_	05/02/85	 05/02/85F	 	_		
TENNICYS SZSTEF	-7.3/ L3/194 	_	-	_			(43/02/4 3	1/3/UZ/ODE 	_	_	_	-

N/A = Not Applicable

METRO RAIL PROJECT DESIGN SCHOOLE STATUS

SMATS 45 OF: September 30, 1984

Page 6 of 6 50% SUBMITTAL NOTICE CONTRACT 85% SUBMITTIAL 100% SUBMETTAL BID DOCUMENTS CURR MONTH! TOTAL | F'CAST(F) | 'IO TTME OF | F'CAST(F) | F'CAST(F)| | F'CAST(F) | SLIPPAGE | DELAY DESIGN CONTRACTS PROCEED | PERFORM, | SCHEDULE | ACTUAL(A) | SCHEDULE | ACTUAL(A) | SCHEDULE | ACTUAL(A) | SCHEDULE | ACTUAL(A) | (C.D.) | (WEEKS) A750 TUNNEL 05/16/84 | 05/16/84A | 08/15/84 | 08/23/84A| 12/15/84 | 11/16/84F LINERS 10/01/83 A760 SIGNING 02/22/84 | 09/14/84 | 09/21/84A | 11/09/84 | 11/09/84F| 12/24/84 | 12/24/84F | 12/24/84F | 12/24/84F | GROUP A | 10/26/84 | 10/26/84F | 12/21/84 | 12/21/84F| 01/25/85 | 01/25/85F | 01/25/85F | 01/25/85F GROUP B GROUP C 12/07/84 | 12/07/84F | 02/01/85 | 02/01/85F| 03/08/85 | 03/08/85F | 03/08/85 | 03/08/85F

METRO RAIL PROJECT SCHEDULE EXCEPTION REPORT

Minimum Operable Segment-1 Design Contracts

CONTRACT: A112 Main Shop Building and Yard Service Area

AREA OF CONCERN: Contract completion is forecast eight (8) weeks beyond the Contract Time of Performance (10/15/84). Delay is

due to the following:

o reclassifying the main Shop Building as a B-4 occupancy and of Type II-FR construction per 1979 Uniform Building Code (UBC),

o repackaging of all contracts within A100 due to ROW acquisition - Santa Fe.

RECOMMENDATION: An amendment is currently in preparation to extend the Contract Time of Performance and additional design cost Engineering Change Request (ECR's).

CONTRACT: A115 Yard Storage Area

AREA OF CONCERN: Contract completion is forecast twelve (12) weeks beyond the Contract Time of Performance (10/15/84).

Delay is due to the following:

o incorporation of bid documents from the now deleted A110 contract,

o repackaging of all contracts within A100 due to ROW acquisition - Santa Fe.

RECOMMENDATION: An amendment is currently in preparation to extend the Contract Time of Performance. Additional design cost ECR's will be negotiated.

CONTRACT: A130 Yard Leads and Transfer Zone

AREA OF CONCERN: Contract completion is forecast fifteen (15) weeks beyond the Contract Time of Performance (10/15/84).

Delay is due to the following:

o incorporation of seismic design criteria,

o repackaging of all contracts within A100 due to ROW acquisition - Santa Fe.

RECOMMENDATION: An amendment is currently in preparation to extend the Contract Time of Performance. Additional design cost ECR's will be negotiated.

CONTRACT: A135 Union Station

19 600

AREA OF CONCERN: Contract completion is forecast 22 weeks beyond the

Contract Time of Performance (10/09/84). Delay is due to the late submittal of seismic design criteria to

Section Designer.

It is recommended the schedule be revised to show RECOMMENDATION:

remaining work items and strictly monitored to avoid

further delays.

CONTRACT: A165 7th/Flower Station

Contract completion is forecast 19 weeks beyond the AREA OF CONCERN:

Contract Time of Performance (10/15/84). Delay is due

to the following:

lack of design criteria,

continuous design changes.

Incorporation of the seismic design criteria may cause

additional delay.

The schedule should be revised to reflect remaining RECOMMENDATION:

work items.

CONTRACT: A170/A187 Wilshire/Alvarado Station & Line

Contract completion is forecast seven (7) weeks beyond AREA OF CONCERN:

the Contract Time of Performance (12/07/84). Delay is

due to the following:

significant changes in criteria and drawings,

delayed submittal of seismic design criteria,

the base line final specifications to Section Designer are not available for mark-up by the

Section Designer.

RECOMMENDATION: The Section Designer has been advised to have all

submittals in no later than December 31; MRTC & SCRTD to do a comprehensive review of submittals in order to

meet the Contract Completion Date.

P&C- 13.9