UMTA QUARTERLY REVIEW

UMTA QUARTERLY REVIEW MEETING LOS ANGELES METRO RAIL PROJECT

10:00 a.m., Wednesday, February 21, 1990 SCRTD Headquarters 5th Floor Conference Room I 425 South Main Street Los Angeles, CA

SUPPLEMENTAL REPORT

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

UMTA QUARTERLY REVIEW MEETING LOS ANGELES METRO RAIL PROJECT

10:00 a.m., Wednesday, February 21, 1990 SCRTD Headquarters 5th Floor Conference Room I 425 South Main Street Los Angeles, CA



<u>Agenda</u>	<u>Item</u>		<u>Presenter</u> <u>Page(s</u>						
i, int	troductio	on/Purpose of Review							
UI	MTA		H. Nejako						
\$C	CRTD	,	A. Pegg						
LA	ACTC		N. Peterson						
		ntro Rail Project Monthly ort December 1989							
A.		cutive Summary to ent Status	R. Murray	1-9					
В.	Sch	edules: Critical Path Summary	M. Hoffman	10-13					
C.	Cos	t: Cost Reduction Proposals	M. Caldwell	25					
D.	Desi	gn: Contract Summary	J. Crawley	26-32					
E.	Real	Estate Status Summary	V. Marshall	33					
F.	Con	struction/Procurement							
	1.	Contract Summary	S. Louis/E. Pollan	34-59					
	2.	Safety Summary	H. Storey	60-63					

METRO RAIL PROJECT UMTA QUARTERLY REVIEW

<u>Age</u>	nda It	<u>em</u>	<u>Presenter</u>	Page(s)
III.	Sup	plemental Reports		
	A.	Claims	R. Murray	1-3
	В.	Financial Plan	R. Murray	
	C.	Environmental Impact Mitigation Measures	J. Crawley	1
	D.	LRT/MRT Interrelated Issues	M. Hoffman	1-3
	E.	DBE	W. Norwood	1-35
	F.	Cost Reduction Strategies	R. Murray	1-2
	G.	Liquidated Damages	R. Murray	1
	H.	Review of Open Action Items	M. Caldwell	1-2
	1.	PMOC Monthly Report Comments	M. Caldwell	1-4
IV.	Pha	se II Status	E. McSpedon	1-6
V.	Sch	edule and Location of Next Meeting	H. Nejako A. Pegg N. Peterson	
VI.	Gen	eral Discussion/Wrap Up	H. Nejako A. Pegg N. Peterson	

- SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

METRO RAIL PROJECT UMTA QUARTERLY REVIEW III. SUPPLEMENTAL REPORTS

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

METRO RAIL PROJECT	UMTA QUARTERLY REVIEW
III. A. CLAIMS	

- SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

(A)

UMTA QUARTERLY REVIEW

III. A

PDCD

METRO RED LINE PROJECT CLAIMS ACTIVITY SUMMARY AS OF 12/29/89 CLAIMS EQUAL OR OVER \$100,000

(C)

REPORT : Z-05 **CUTOFF DATE** : 12/28/89

PRINT DATE

(B)

(D)

(A+B+C+D)

PREVIOUS DATE: 09/28/89

: 01/19/90

	PE	MDING MERIT UATION CLAIMS	CLA	OLVED CI AIMS PENDING REGOTIATION	A I P	IS / DISTR IN DISPUTE	1 C T	FORECAS	; †****	TOTAL	RESOLVED CLAIMS C.O. EXECUTED CONTR. PROPOSAL ACTUAL CO		
CONTRACT		(DOLLARS)	#	(DOLLARS)	#	(DOLLARS)	#	(DOLLARS)	#	(DOLLARS)	#	(DOLLARS)	(DOLLARS)
TOTAL	20	\$7,245,894	13	\$7,304,103	5	\$1,547,195	6	\$6,587,460	44	\$22,684,652	7	\$9,443,620	\$3,010,426
TOTAL PREVIOUS	28	\$8,908,260	10	\$6,067,590	13	\$5,623,8 01			51	\$20,599,651	7	\$9,443,620	\$3,010,426
VARIANCE	-8	(\$1,662,366)	3	\$1,236,513	-8	(\$4,076,606)	6	\$6,587,460	-7	\$2,085,001	0	\$0	.\$0

THE DISTRICT FORECAST IS FOR CONTINGENCY ALLOCATION PURPOSE ONLY AND DOES NOT NECESSARILY REPRESENT ACKNOWLEDGEMENT OF CLAIM VALIDITY OR A DETAILED COST ESTIMATE.

(LEGEND)

PREVIOUS DATA AS OF 09/28/89

PENDING MERIT EVALUATION : CONTRACTOR'S CLAIM PACKAGE RECEIVED AND EVALUATION IN PROGRESS.

PENDING NEGOTIATION

: MERIT ALLOWED. CONTRACT CHANGE IN PROCESS.

CLAIMS IN DISPUTE

: CONTRACTOR HAS REJECTED OCPM DETERMINATION AND ISSUED A DISPUTE NOTICE.

LITIGATION

: CONTRACTOR HAS FILED AN ACTION WITH THE COURT.

RESOLVED CLAIMS

: 1). CHANGE ORDER ISSUED AND ACCEPTED BY CONTRACTOR.

2). UNILATERAL CHANGE ORDER ISSUED

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT —

III.A. CLAIMS IN LITIGATION

12/29/89

CONTRACT NUMBER	DATE FILED	DESCRIPTION	CONTRACTOR CLAIM AMOUNT
A112	06/05/89	Plans and Specifications Dispute (4 claims under one litigation)	\$6,986,448
A121	10/02/89	Additional Work and Delays	\$ 370,985
A145	11/14/89	Disruption Resulting from Differing Site Conditions	\$4,898,405

III.A. CLAIMS OVER \$1 MILLION SUBMITTED TO UMTA PURSUANT TO UMTA REGULATION 5010.1A

12/29/89

Not required to date.

III.A.3

III. B. FINANCIAL PLAN

Will be provided at or before the February 21, 1990, meeting

- SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT METRO RED LINE MOS-1

PAGE 1 OF 7 DATE: 12/29/89

REVISION 7C

DESIGN/PROCUREMENT/CONSTRUCTION-SCHEDULE & FINANCIAL PLAN

FORECASTED COSTS (\$000)

ĐA	TE: 12/29	7/89												
			(cur	RENT SCHEDUL	E STATUS)		l M	0S-1		NON-UNDER	TAKING C	OSTS :	ł
					CONTRACT	EXPENDED	BASELINE	[{			TOTAL !
		CONTRACT	NTP	COMPLETION	DURATION	Τ0		METRO-RAIL		TOTAL	l LIGHT	HOME	BETTER	PROJECT !
C	ONTRACT	DESCRIPTION	DATE	DATE	(HONTHS)	DATE	(REV 5)	(REV 7C)	(REV 7C)	MOS-1	: RAIL	SAVNGS	MENTS !	COST
==:			==========	=========	=========	=======	========		========			=======	=======	========
	A111	SANTA FE AVE. RESTORATION					169				DELETED			
	*A112	MAIN SHOP BUILDING	28-Sep-87	15-Feb-90	29	22,946	22,663	28,653		28,653	0	0	0	28,653
	A115	YARD STORAGE AREA					8,443		INCL	UDED IN	A610/A115			
ĬII.	A116	YARD SITE SECURITY FENCING	15-Aug-90	16-Apr-91	8		267	303	0	303	0	0	0	303
	A117	YARD SITE LIGHTING		14-Jun-91	12		738	840	0	840	0	0	0	840
в.	A118	YARD SITE LANDSCAPING	04-Sep-90	11-Jan-91	4		422	275	0	275	0	0	0	275
-	A119	RELOCATE TRACK, 1st ST.& HOBART YARI)							INCLUDED	IN ROW			
	*A121	MAINTENANCE-OF-WAY SHOP BUILDING	27-Feb-87	26-Jul-88	17	1,799	2,213	2,028	0	2,028	0	0	0	2,028
	**A123	DEMO STRUCTURE ON PARCEL A1-009		23-Feb-87	N/A	249	276	249	0	249	0	0	0	249
	A124	DUCOMMUN ST. & JACKSON ST. RESTORE	15-Feb-91	17-May-91	3		39	43	0	43	0	0	0	43
	*A130	YARD LEADS AND TRANSFER ZONE	01-Jul-88	15-Feb-91	32	23,916	77,467	37,927	0	37,927	0	0	0	37,927
	MA-807	YARD/SHOPS TELEPHONE RELOCATION	01-Jul-88	15-Feb-91	32	1	89	51	0	51	0	0	0	51
	MA-093	YARD/SHOPS GAS RELOCATION	01-Jul-88	15-Feb-91	32		489	280	0	280	0	0	0	280
	MA-A09	YARD/SHOPS WATER RELOCATION	01-Jul-88	15-Feb-91	32	12	247	160	0	160	0	0	0	160
	MA-009	YARD/SHOPS POWER RELOCATION	01-Jul-88	15-Feb-91	32		33	60	0	60	0	0	0	60
l	MA-545	YARD/SHOPS CHEVRON RELOCATION	01-Jul-88	15-Feb-91	32	48	100	90	0	90	0	0	0	90
	MA-056	YARD/SHOPS CALTRANS	01-Jul-88	15-Feb-91	32	24	122	111	0	111	0	0	0	111
	MA-008	YARD/SHOPS WESTERN UNION	01-Jul-88	15-Feb-91	32		6	5	0	5	{)	0	0	5
	A132	DEMO STRUCTURE ON PARCEL A1-024					23			DELETED				
	A133	UNION STATION BAGGAGE HANDLING FACIL	.ITY				1,419		INC	LUDED IN	A135			
	**A134	DEHOLITION OF STRUCTURE ON PARCEL AS	1-032	29-May-87	N/A	79	104	79	0	79	0	0	0	79
	TOARTHAO			•	•									

^{*} CONTRACT AWARDED

^{**}CONTRACT COMPLETED

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT METRO RED LINE MOS-1

DESIGN/PROCUREMENT/CONSTRUCTION-SCHEDULE & FINANCIAL PLAN

PAGE 2 OF 7 DATE: 12/29/89

REVISION 7C

FORECASTED COSTS (\$000)

			(cur	RENT SCHEDUL	E STATUS)		l N	0S-1		NON-UNDER	TAKING C	osts :		į.
					CONTRACT	EXPENDED							}	TOTAL	ř.
		CONTRACT	NTP	COMPLETION	DURATION	10		HETRO-RAIL		TOTAL		HOME		PROJECT	
	CONTRACT	DESCRIPTION	DATE	DATE	(HONTHS)	DATE	(REV 5)	(REV 7C)	(REV 7C)	MOS-1	RAIL	SAVNGS	MENTS !	COST	l
=:	44135		1						========		:=======	=======	=======	=======	
	#A135			28-Jun-91	36		49,113	-	IJ	57,077	0	0	0	57,077	
	MA-007	UNION STATION TELEPHONE RELOCATION		28-Jun-91	36	3	22	60	0	60	0	0	0	60	
	MA-A09	UNION STATION WATER RELOCATION		28-Jun-91	36		50	50	0	50	0	0	0	50	
Н	MA-009			28-Jun-91	36		28	50	0	50	0	0	0	50	
II	MA-008			28-Jun-91	36		6	0	0	0	0	0	0	0	
	MA-056			28-Jun-91	36	11	58	50	0	50	0	0	0	50	
'n	A136	UNION STATION - STAGE II	07-Jul-90	20-Jan-92	18		13,065	20,096	0	20,096	0	0	0	20,096	
	##A137	SO. PACIFIC - COMMUNICATION RELOCATE		30-Jan-87	N/A		0	13	0	13	0	0	0	13	
	A138	UNION STATION SITEWORK	14-Dec-90	19-Mar-92	15		964	3,481	0	3,481	0	0	0	3,481	
	A139	UNION STATION SITE LANDSCAPING	16-Aug-91	21-0ct-92	22		242	5,488	0	5,488	0	0	0	5,488	
	*A141	CIVIC CENTER STATION-STAGE I	16-Mar-87	01-Mar-91	48	30,143	51,683	46,682	0	46,682	0	0	0	46,682	
	* A141	LINE-UNION STA TO 5th/HILL STA	16-Mar-87	01-Mar-91	48	19,483	37,426	33,446	0	33,446	0	0	0	33,446	
	800-AM	CIVIC CENTER WESTERN UNION	28-Aug-87	01-Mar-91	42		6	5	0	5	0	0	0	5	
	MA-A09	CIVIC CENTER WATER RELOCATION	15-Dec-86	01-Mar-91	51	422	590	563	0	563	0	0	0	563	
	MA-009	CIVIC CENTER POWER RELOCATION	16-Sep-86	01-Mar-91	53	314	252	400	0	400	0	0	0	400	
	MA-007	CIVIC CENTER TELEPHONE RELOCATION	20-0ct-86	01-Mar-91	52	511	1,155	1,115	0	1,115	0	0	0	1,115	
	MA-093	CIVIC CENTER GAS RELOCATION	16-Sep-86	01-Mar-91	53	47	60	67	0	67	0	Ð	0	67	
	MA-533	CIVIC CENTER CABLE TV RELOCATION	28-Aug-87	01-Mar-91	42		6	5	0	5	0	0	0	5	
	MA-056	CIVIC CENTER CALTRANS	-	01-Mar-91	37	10	51	45	0	45	0	0	0	45	
	#A143	PROCURE WIR TRIMI CHEMICALS	23-May-88	01-Apr-91	34	445	0	1768	0	1,768	0	0	0	1,768	
	#A144	NTR TRIMI PLANT OPERATIONS	05-Aug-88	-	33	1,585	n	3700	0	3,700	U	Ō	0	3,700	
*	CONTRACT					-,	•	2.00	•	01,00	v	-	-	-,0	

^{*} CONTRACT AWARDED

^{**}CONTRACT COMPLETED

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT METRO RED LINE MOS-1

DESIGN/PROCUREMENT/CONSTRUCTION-SCHEDULE & FINANCIAL PLAN FORECASTED COSTS (\$000)

ν	MIE: 12/25	7/07	(CURRENT SCHEDULE STATUS) CONTRACT EXPENDED			MOS-1 BASELINE				NON-UNDERTAKING COSTS			TOTAL }	
		CONTRACT	NTP	COMPLETION	DURATION	10		 METRO-RAIL		TOTAL	LIGHT	HOME	BETTER	PROJECT 1
_	CONTRACT	DESCRIPTION	DATE	DATE	(MONTHS)			(REV 7C)				SAVNGS	MENTS !	
-	*A145	5TH & HILL STATION - STAGE I	02-Apr-87	01-Feb-91	46	25,707	40,408	48,662	0	48,662	0	0	0	48,662
	800-AM	5th/HILL WESTERN UNION REPLACEMENT	02-Apr-87	01-Feb-91	46		16	10	0	10	0	0	0	10
	MA-A09	5th/HILL WATER RELOCATION	08-Sep-87	01-Feb-91	41	240	221	593	0	593	0	0	0	593
	MA-009	5th/HILL POWER RELOCATION	16-Sep-86	01-Feb-91	53	369	1,127	1,300	0	1,300	0	0	0	1,300
H	MA-007	5th/HILL TELEPHONE RELOCATION	07-0ct-86	01-Feb-91	52	301	250	580	0	580	0	0	0	580
III	MA-093	5th/HILL GAS RELOCATION	02-Sep-87	01-Feb-91	41	18	138	75	0	75	0	0	0	75
В	MA-533	5th/HILL CABLE TV REPLACEMENT	31-Aug-87	01-Feb-91	41		6	5	0	5	0	0	0	5
ໍ່ພ	*A146	LINE-5th/HILL TO 7th/FLOWER	06-Apr-87	14-Sep-90	41	14,030	24,382	22,798	0	22,798	0	0	0	22,798
_	A147	CIVIC CENTER STATION - STAGE II	11-Jun-90	15-Nov-91	17		12,837	15,878	0	15,878	0	0	0	15,878
	A157	5th/HILL STATION - STAGE II	11-Jun-90	24-Jan-92	19		13,128	15,481		15,481	0	0	0	15,481
	**A161	7th&FLOWER UTILITY REARRANGEMENT		15-Nov-87	N/A	1,633	1,997	1,505	0	1,505	1,617	0	272	3,394
	A149	UTILITY RELOCATION & VAULT MODIFICAT	IONS				3,612		INCLUDED	IN A145				
	*A165	7th&FLOWER STATION - STAGE I	05-Jan-88	26-Dec-90	36	19,948	31,187	25,300	0	25,300	21,710	0	0	47,010
	800-AM	7th/FLOWER WESTERN UNION	24-Apr-87	26-Dec-90	44		22	40	0	40	10	0	0	50
	MA-A09	7th/FLOWER WATER RELOCATION	07-0c t-87	26-Dec-90	39	455	240	820	0	820	655	0	0	1,475
	MA-009	7th/FLOWER POWER RELOCATION	15-Dec-86	26-Dec-90	48	61	161	250	0	250	175	0	0	425
	MA-007	7th/FLOWER TELEPHONE RELOCATION	02-Feb-87	26-Dec-90	47	141	88	129	0	129	80	0	0	209
	MA-093	7th/FLOWER GAS RELOCATION	17-Sep-87	26-Dec-90	39	4	84	0	0	0	50	0	0	50
	MA-533	7th/FLOWER CABLE TV RELOCATION	06-Jul-87	26-Dec-90	42	33	56	50	0	50	0	0	0	50
	*A167	7th/FLOWER STATION - STAGE II	17-Apr-89	03-Jul-91	27	1,583	7,829	14,808	0	14,808	6,516	0	0	21,324
	*A171	LINE-7th/FLOWER STATION TO	02-Feb-87	22-Jan-90	36	26,216	43,068	27,999	0	27,999	0	0	0	27,999

* CONTRACT AWARDED

REVISION 70

PAGE 3 OF 7

DATE: 12/29/89

**CONTRACT COMPLETED

UMTA QUARTERLY REVIEW

REVISION 7C PAGE 4 OF 7 DATE: 12/29/89

**CONTRACT COMPLETED

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT METRO RED LINE MOS-1 DESIGN/PROCUREMENT/CONSTRUCTION-SCHEDULE & FINANCIAL PLAN FORECASTED COSTS (\$000)

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

DAIL: 12/29/89		(cur	(CURRENT SCHEDULE STATUS)			MOS-1 BASELINE				NON-UNDER	TOTAL		
	CONTRACT	NTP	COMPLETION	CONTRACT	TO EXPENDED		:: :METRO-RAIL		TOTAL	LIGHT	HOME	RETTER!	TOTAL PROJECT
CONTRAC		DATE	DATE	(MONTHS)	DATE		(REV 7C)		MOS-1		SAVNGS	MENTS :	
========		::::::::::		========	========	:======		========	=======			=======	=======
**A17	2 DEMO STRUCTURE ON PARCEL A1-208		04-Mar-87	N/A	26	90	26	0	26	0	0	0	26
**A17	3 DEMOLITION OF STRUCTURES ON PARCELS		14-Apr-87	N/A	67	182	67	0	67	0	0	0	67
	A1-221, A1-222, A1-224, AND A1-225												
*A17	•			37	17,039	34,845	26,251	0	26,251	0	0	0	26,251
MA-AO	•	04-Sep-87	17-Aug-90	35	10	148	180	0	180	0	0	0	180
MA-00	•	04-Sep-87		35		11	30	0	30	0	0	0	30
H MA-00			17-Aug-90	35	49	66	65	0	65	0	0	0	65
₩A-09	•		17-Aug-90	35	3	44	0	0	0	0	0	0	0
₩ MA-05		22-0ct-87	10-Jan-90	27	12	60	54	0	54	0	0	0	54
₩A-53		04-Sep-87	17-Aug-90	35		22	35	9	35	0	0	0	35
A17			_	_							_		0
A18	•		31-Dec-91	8		783	834	0	834	0	0	0	834
A18			31-Dec-91	8		115	123	0	123	0	0	0	123
*A18			31-Dec-91	21		8,697	14,444	0	14,444	0	0	0	14,444
MA-00		03-Nov-89		20	896	673	896	0	896	34	0	0	930
MA-00		01-Jul-87		12	674	1,032	687	0	687	24	0	0	711
MA-00			30-Jun-89	12	609	1,256	1,000	0	1,000	200	0	0	1,200
MA-00		01-Jul-89	30-Jun-90	12	299	942	827	0	827	168	0	0	995
MA-00		01-Jul-90		12		589	1,000	0	1,000	100	0	0	1,100
MA-00		01-Jul-91	30-Jun-92	12		0	250	0	250	0	0	0	250
MA-00	- + -	01-Jul-92		(0)		0	100	0	100	0	0	0	100
MA-09		01-Jul-86	30-Jun-87	12		36	40	0	40	0	0	0	40
MA-09		01-Jul-87	30-Jun-88	12	61	60	65	0	65	0	0	0	65
MA-09		01-Jul-88	30-Jun-89	12	37	106	100	0	100	0	0	0	100
MA-09		01-Jul-89	30-Jun-90	12	34	100	110	0	110	0	0	0	110
MA-09		01-Jul-90		12		100	90	0	90	0	0	0	90
MA-09			30-Jun-92	12		100	45	0	45	0	0	0	45
MA-00		01-Jun-87	13-Apr-90	34		0	50	0	50	0	0	0	50
* CONTRAC	T AWARDED												

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT METRO RED LINE MOS-1

PAGE 5 OF 7

DESIGN/PROCUREMENT/CONSTRUCTION-SCHEDULE & FINANCIAL PLAN
DATE: 12/29/89

FORECASTED COSTS (\$000)

		(CUR	RENT SCHEDUL	E STATUS)		i M	08-1		I NON-UNDER	TAKING C	osts (
				CONTRACT	EXPENDED	BASELINE	}						TOTAL
	CONTRACT	MTP	COMPLETION	DURATION	10		IMETRO-RAIL		TOTAL		HOME	BETTER	PROJECT :
CONTRACT	DESCRIPTION	DATE	DATE	(MONTHS)			(REV 7C)	(REV 7C)	MOS-1	l RAIL	SAVNGS	MENTS :	COST ;
*A610/A115	TRACKWORK INSTALLATION		12-Jul-91	42		14,185			27,793	0	0	 O	27,793
*A612	CONTACT RAIL PROCUREMENT		23-Feb-90	21		1,738			2,051	0	0	0	2,051
*A615	PROTECTIVE COVERBOARD PROCUREMENT		23-Feb-90	18	21000	776	450	0	450	U	0	0	450
*A616	RAIL FASTNERS PROCUREMENT (MRT ONLY)			41	1,524		1,524	-	1,524	3,917	0	0	5,441
₩ *A620	AUTOMIC TRAIN CHIRL PROCURE/INSTALL			59	1,740		13,044		13,044	0,717	Õ	0	13,044
*A620 *A630	TRACTION POWER EQUIPMENT PROCUREMENT			21	1,100		5,462		5,462	385	Ō	0	5,847
₩ * A631	TRACTION POWER EQUIPT INSTALLATION	07-Jul-89	01-Jun-92	35	301		7,893	0	7,893	155	0	0	8,048
∪n #A640	COMMUNICATIONS PROCURE/INSTALL	07-Jul-88	15-Jan-93	54	6,929	-	43,082	0	43,082	2,034	0	0	45,116
*A650	PASSENGER VEHICLES PROCUREMENT	01-Jun-88	18-May-93	60	12,492	51,495	54,541	0	54,541	0	0	0	54,541
A655	TRANSPORTATION TEST CENTER	04-Sep-90	05-Apr-91	7		0	1,188	0	1,188	0	0	9	1,188
A660	FARE COLLECTION					9,081		INCLUDED	IN H840				
A671	LOCOMOTIVE PROCUREMENT(UNIMOG)	29-Jun-90	01-Jul-91	12		617	300	0	300	0	0	0	300
A672	FLAT CAR PROCUREMENT	05-Nov-90	06-Nov-92	24		56	59	0	59	0	0	0	59
A675	CRANE PROCUREMENT (FOR FLAT CAR)	15-Mar-91	10-Mar-92	12		25	26	0	26	0	0	0	26
A680	OPERATIONAL GRAPHICS PROCUREMENT	26-Jun-90	02-Jul-92	24		123	130	0	130	0	0	0	130
*A710	ESCALATORS PROCURE/INSTALL	01-0c t-88	03-0€t-91	36	1,147	11,553	10,466	0	10,466	2,384	0	0	12,850
A720	ELEVATORS PROCURE/INSTALL					1,325		ENCLUDED	IN A710				
A730	FIXED SHOP EQUIPMENT PROCURE/INSTALL	03-Dec-90	03-May-91	5		30	31	0	31	0	0	0	31
*A732		17-Aug-88	01-May-91	32	130	0	772	0	772	0	0	0	772
A735	PROCURE FREE STANDING SHOP EQUIPT	03-Dec-90	03-May-91	5		350	362	0	362	0	0	0	362

* CONTRACT AWARDED

REVISION 7C

**CONTRACT COMPLETED

UMTA QUARTERLY REVIEW

REVISION 70	;
PAGE 6 OF 7	7
BATE - 12/29	/89

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT

METRO RED LINE MOS-1

RESTON/PROCUREMENT/CONSTRUCTION-SCHEDULE & ETNANCIAL PLAN

FORECASTED COSTS (\$000)

DAIL: 12/29/8	89 DE 516N/ PKU	CUKEMENT/GU	NSTRUCTION-S	CHEDOLE &	FINANCIAL	PLAN							
		(EUR	RENT SCHEDUL			5 · 05 · 71 · 5		05-1		; NON-UNDER			
	CONTRACT	NTP	COMPLETION		EXPENDED TO		METRO-RAIL		TOTAL		HOME		TOTAL PROJECT
CONTRACT	DESCRIPTION	DATE	DATE	(MONTHS)	DATE		(REV 7C)		MOS-1		SAVNGS	MENTS !	
*A740	VENTILATION EQUIPMENT PROCUREMENT	01-Mar-88	30-Sep-91	43	1,103	8,265	3,370	0	3,370	880	0	0	4,250
* A745	PROCURE TPSS AIR HANDLING EQUIPT	16-Feb-88	30-Sep-91	43	1,293	218	1,369	0	1,369	31	0	0	1,400
*A750	DISPOSAL OF HAZARDOUS MATERIAL	17-Feb-89	09-Sep-91	31	1,040	0	2,000	0	2,000	0	0	0	2,000
A760	SIGNS & GRAPHICS PROCUREMENT	02-Apr-90	02-Aug-91	16		1,377	2,000	0	2,000	171	0	0	2,171
A770	TRUCKS AND TRAILERS	07-Jan-91	05-Jul-91	6		393	283	0	283	0	0	0	283
A775	MOBILE EMERGENCY & MAINT. EQUIPT.	02-Jan-91	01-Jul-91	6		388	416	0	416	0	0	0	416
A780	FURNITURE PROCUREMENT	07-Nov-90	14-May-91	6		207	207	0	207	0	0	0	207
A785	FIRE SUPPRESSION EQUIPMENT	01-Feb-91	01-Jul-91	5	55	17	17	0	17	0	0	0	17
A790	FIRST STORES & CONSUMABLES	01-Feb-91	01-Jul-91	5		126	130	0	130	0	0	0	130
*A795	UNINTERRUPTIBLE POWR SUPPLY (SOKVA)		24-Dec-90	28		1,085	521	0	521	52	0	0	573
*A796	UNINTERRUPTIBLE POWR SUPPLY (100KVA)	06-Sep-88	24-Dec-90	28	73	0	75	0	75	0	0	0	75
*H840	FARE COLLECTION	15-Jan-88	01-Apr-92	51		0	1,680	0	1,680	0	0	0	1,680
*A797	ART-N-TRANSIT	N/A	N/A	N/A	106	948	948	0	948	0	0	0	948
	SANTA FE RAIL SPUR	N/A	N/A	N/A	91	0	105	0	105	0	0	0	105
* 4239	TELEPHONE EQUIPMENT	N/A	N/A	N/A		0	1,356	0	1,356	0	0	0	1,356
* CONTRACT AI ** CONTRACT (
	SUBTOTAL CONSTRUCTION/PROCUREMENT				292,476	658,582	652,614	0 €	52,614	41,348	0	272	694,235

REVISION 7C PG 7 OF 7 DATE 12/29/89

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT METRO RED LINE MOS-1 DESIGN/PROCUREMENT/CONSTRUCTION-SCHEDULE & FINANCIAL PLAN

FORECASTED COSTS (\$000)

	BACCLINE		HOS	MOS-1		NON-UNDERTAKING COSTS			TOTAL	
DESCRIPTION	BASELINE BUDGET (REV 5)	EXPENDED TO DATE	METRO-RAIL (REV 7C)			LIGHT RAIL	HOME	BETTER! MENTS	PROJECT !	
GENERAL CONSULTANT	138,124	159,175	169,416	617	170,033	3,735	330	4	174,102	
CONSTRUCTION MANAGER	69,108	55,125	93,646	0	93,646	2,222	4	13	95,885	
CONST RELATED PROF SERVS	15,934	4,627	15,340	6	15,346	100	0	0	15,446	
DES. RELATED PROF. SERVS.	28,213	12,928	10,301	2,627	12,928	0	0	0	12,928	
AGENCY	97,895	60,456	92,925	815	93,740	702	0	0	94,442	
GENERAL AND ADMINISTRATIVE	6,058	4,879	10,250	35	10,285	226	5	4	10,520	
PRE-REVENUE OPERATIONS	9,628	0	13,782	θ	13,782	249	0	0	14,031	
RIGHT OF WAY	90,894	96,367	125,411	0	125,411	0	0	0	125,411	
OCIP	49,439	33,488	55,366	0	55,366	3,495	0	0	58,861	
PRELIMINARY ENGINEERING	32,800	32,800	32,800	0	32,800	0	0	0	32,800	
CONTINGENCY	53,225		77,948	0	77,948	990	0	0	78,938	
SUBTOTAL OTHER COSTS	591,318	459,845	697,186	4,100		11,720		21		
SUBTOTAL CONSTRUCTION/PROCUREMENT			652,614	0	652,614	41,348	0	272	694,234	
TOTAL MOS-1 COSTS	1,249,900	752,321	1,349,801	4,100	1,353,900	53,068	339	293	1,407,600	

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

	FINANCIAL PLAN COMPARISON AND ANALYSIS (E	SCALATED)				
	REVISION 78 TO REVISION 70	A	В	C =		
		9/30/89	12/30/89	B-A	D =	PAGE 1 OF 6
	CONTRACT	ESC \$	ESC \$	VARIANCE	(C/A)100	DATE: 12/29/89
CONTRACT	T DESCRIPTION	(000)	(000)	(000)	% CHANGE	COMMENTS
A111	SANTA FE AVE. RESTORATION	173	1 0	(173)	-100%	CONTRACT DELETED
		1	1			
*A112	MAIN SHOP BUILDING	26,906	28,653	1,747	62	REVISED ESTIMATE TO COMPLETE
A115	YARD STORAGE AREA	1	(NOW INCLUDE	9 WITH A610)	l I	
A116	YARD SITE SECURITY FENCING	407			-26%	REVISED ENGINEERS' ESTIMATE
A117	YARD SITE LIGHTING	794	1 840	46	6%	
A118	YARD SITE LANDSCAPING	261	1 275	14	5%	
*A121	MAINTENANCE-OF-WAY SHOP BUILDING	1,825	2,028	203	11%	REVISED TO REFLECT PENDING LITIGATION
**A123	DEMOLITION OF STRUCTURE ON PARCEL A1-009	249	249	0 1	0%	
A124	DUCOMMUN ST. & JACKSON ST. RESTORATION	43	! 43	0	0%	
*A130	YARD LEADS AND TRANSFER ZONE	40,493	37,927	(2,566)	-6%	REVISED ESTIMATE TO COMPLETE
MA-007	YARD/SHOPS TELEPHONE RELOCATION	6	51	45	750X	
MA-093	YARD/SHOPS GAS RELOCATION	280	1 280	0	0%	
MA-A09	YARD/SHOPS WATER RELOCATION	160	160	0	0%	
MA-009	YARD/SHOPS POWER RELOCATION	60	1 60	0	0%	
MA-545	YARD/SHOPS CHEVRON RELOCATION	90	1 90	0	0%	
MA-056	YARD/SHOPS CALTRANS	111	-	0	0%	
	YARD/SHOPS WESTERN UNION REPLACEMENT	5	1 5	0	0%	
	DEMOLITION OF STRUCTURE ON PARCEL A1-024		1		1	
	UNION STATION BAGGAGE HANDLING FACILITY		ł			
**A134	DEMOLITION OF STRUCTURE ON PARCEL A1-032	79	1 79	0 /	07	

*CONTRACT AWARDED

**CONTRACT COMPLETED

		FINANCIAL PLAN COMPARISON AND ANALYSIS (ESCALATED)				
		REVISION 7B TO REVISION 7C	, A	В	C =		
1			9/30/89	12/30/89	B-A		PAGE 2 OF 6
		CONTRACT	ESC \$	ESC \$	VARIANCE		DATE: 12/29/89
	CONTRACT	DESCRIPTION	(000)	(000)	(909)		COMMENTS
	*A135	UNION STATION - STAGE I	1 58,040	57,077 ¦	(963) [-211	REVISED ESTIMATE TO COMPLETE
Į.				1	0 1	1	
	MA-007	UNION STATION TELEPHONE RELOCATION	60 8	60	0	0%1	
	MA-A09	UNION STATION WATER RELOCATION	50	50	0 ¦	0%;	
		UNION STATION POWER DWP	150	50	(100);	-67%	REVISED ESTIMATE TO COMPLETE
		UNION STATION WESTERN UNION REPLACEMENT	0 1		9	}	
		UNION STATION CALTRANS	50			0% !	
II	A136	UNION STATION - STAGE II	20,096	20,096	0	9%!	
1 ⊢ .						i	
₽.		SO. PACIFIC COMMUNICATION RELOCATION	13 (0% (
9	A138	UNION STATION SITEMORK	7,355	3,481	(3,874)	-53%	REVISED ESTIMATE TO COMPLETE
l	A170	HUTOU CTATION CITE LANDOGRAPHO	1 4 010 1	F 400 I	574	1071	DELIZADO DATALLES TA CALIDISTE
	A139	UNION STATION SITE LANDSCAPING	4,912	5,488	576	12%;	REVISED ESTIMATE TO COMPLETE
	*A141	LINE-UNION STATION TO 5th/HILL STATION	76,091	80,128	4,037	i EVI	REVISED ESTINATE TO COMPLETE
		CIVIC CENTER WESTERN UNION REPLACEMENT	5			0%!	
		CIVIC CENTER WATER RELOCATION	580		-	-3%;	
		CIVIC CENTER POWER RELOCATION	400			0%	
		CIVIC CENTER TELEPHONE RELOCATION	1,110			0%!	
l .		CIVIC CENTER GAS RELOCATION	67		0	0%;	
l		CIVIC CENTER CABLE TV RELOCATION	5			0% !	
l		CIVIC CENTER CALTRANS	45			0%1	
l		PROCURE WIR TRIMNI CHEMICALS	2,900		-		FORECAST REDUCTION BASED ON PROGRESS & COST TO DATE
			1		1	1	
	*A144	WTR TRMNT PLANT OPERATIONS	5,176	3,700	(1,476)}	-29%	FORECAST REDUCTION BASED ON PROGRESS & COST TO DATE

*CONTRACT AWARDED
**CONTRACT COMPLETED

		FINANCIAL PLAN COMPARISON AND ANALYSIS (E REVISION 7B TO REVISION 7C	A	В	C =	
		CAUTALOT	9/30/89	12/30/89	B-A	PAGE 3 OF 6
	DANTE	CONTRACT	ESC \$	ESC \$	VARIANCE	DATE: 12/29/89
	CONTRA	CT DESCRIPTION	(000)	(000)	(000)	COMMENTS
	*A145/145A	5th/HILL STATION - STAGE I	48,662	48,662	0 /	0%!
ı				1		
	800-AM	5th/HILL WESTERN UNION REPLACEMENT	10		0	
	MA-A09	5th/HILL WATER RELOCATION	600		(7) [
1	MA-009	5th/HILL POWER RELOCATION	1,200	•		
1	MA-007	5th/HILL TELEPHONE RELOCATION	550			
١.	MA-093	5th/HILL GAS RELOCATION	150			
	MA-533	5th/HILL CABLE TV REPLACEMENT	5		0	
	, ,,,,,,,,	LINE-5th/HILL STA, TO 7th/FLOWER STA.	21,377	22,798	1,421	7% REVISED ESTIMATE TO COMPLETE
	₩.		1	-		
	A147	CIVIC CENTER STATION - STAGE II	15,982			
ı	A157	5th/HILL STATION - STAGE II	15,481		0	
1	**A161	7TH/FLOWER UTILITY REARRANGEMENT (MRT)	1,505			
	*A165	7th/FLOWER STATION - STAGE I (MRT)	24,797			
1	MA-008	7th/FLOWER WESTERN UNION REPLACEMENT	40 1		0 !	
ı	MA-A09	7th/FLOWER WATER RELOCATION	830		(10)	
ı	MA-009	7th/FLOWER POWER RELOCATION	250 1			
ı	MA-007	7th/FLOWER TELEPHONE RELOCATION	250			
ı	MA-093	7th/FLOWER GAS RELOCATION	J 50 i		(50)	
	MA-533	7th/FLOWER CABLE TV RELOCATION	50 1		0 !	
	A167	7th/FLONER STATION - STAGE II	12,907	14,808 ;	1,901 {	15%! REVISED ENGINEERS' ESTIMATE
	*A171	LINE-7th/FLOWER STATION TO	27,647	27,999	352	1%: REVISED ESTIMATE TO COMPLETE

*CONTRACT AWARDED

**CONTRACT COMPLETED

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

		FINANCIAL PLAN COMPARISON AND ANALYSIS (ES REVISION 7B TO REVISION 7C CONTRACT T DESCRIPTION	CALATED) A 9/30/89 ESC \$ (000)	B 12/30/89 ESC \$ (000)	C = B-A VARIANCE (000)		PAGE 4 OF 6 COMMENTS DATE: 12/29/89
	**A172	DEMOLITION OF STRUCTURE ON PARCEL A1-208	26	26	0	0% !	
l			67		0 1	011	1
ı	*A175	WILSHIRE/ALVARADO STATION - STAGE I	25,641	26,251 {	610 ¦	2%	REVISED ESTIMATE TO COMPLETE
		WILSHIRE/ALVARADO WATER RELOCATION	200		(20)	-10%!	1
	MA-009	WILSHIRE/ALVARADO POWER RELOCATION	30	30 !	0	0%!	
l	MA-007	WILSHIRE/ALVARADO TELEPHONE RELOCATION WILSHIRE/ALVARADO GAS RELOCATION WILSHIRE/ALVARADO CALTRANS	60	65 l		8% !	
	MA-093	WILSHIRE/ALVARADO GAS RELOCATION	55	0 1		-100%	
					0	021	
		WILSHIRE/ALVARADO CABLE TV RELOCATION			0	0%1	
III.		WILSHIRE/ALVARADO STATION RESTORATION	834		0	0% !	
₽		WILSHIRE/ALVARADO STA. SITE LANDSCAPING			0	0%	
			14,444		0 !	0%	
		CITY OF LOS ANGELES FY '87	896		0 !	0%1	
1		CITY OF LOS ANGELES FY '88	674		13	2%	
		CITY OF LOS ANGELES FY '89	700		300		REVISED ENGINEERS' ESTIMATE
		CITY OF LOS ANGELES FY '90	829		(2)	-0%!	
		CITY OF LOS ANGELES FY '91	1000		0	0%!	
		CITY OF LOS ANGELES FY '92	250		0	0%	
		CITY OF LOS ANGELES FY '93	100		0 }	0%	
1		COUNTY OF LOS ANGELES 'FY 87	4		36	9002	
1		COUNTY OF LOS ANGELES 'FY 88	65		0	0%	
1		COUNTY OF LOS ANGELES 'FY 89	100	-	0 !	021	
1		COUNTY OF LOS ANGELES 'FY 90	100		10	10%	
1		COUNTY OF LOS ANGELES 'FY 91	50		40	80%	
1		COUNTY OF LOS ANGELES 'FY 92	0		45 [N/A	
		WATER REPLENISHMENT SERVICES *CONTRACT AWARDED **CONTRACT COMPLETED	100	50	(50)}	-50%	

UMTA QUARTERLY REVIEW

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

	CONTRACT	REVISION 7B TO REVISION 7C CONTRACT DESCRIPTION	9/30/89 ESC \$ (000)	B 12/30/89 ESC \$ (000)	C = B-A VARIANCE (000)		PAGE 5 OF 6 DATE: 12/29/89 COMMENTS
	*A610/115	TRACKWORK INSTALLATION(INCL A115)	29,648				REVISED ESTIMATE TO COMPLETE
		CONTACT RAIL PROCUREMENT	2,053		(2)	-0%	
		PROTECTIVE COVERBOARD PROCUREMENT	450		0 1	0%	
	*A616	RAIL FASTENER PROCUREMENT (MRT)	1,524	1,524	0 1	0%	
	*A620	AUTOMATIC TRAIN CONTROL PROCURE/INSTALL	13,181	13,044	(137)		REVISED ESTIMATE TO COMPLETE
		TRACTION POWER EQUIPMENT PROCUREMENT	5,462		0	0%	
		TRACTION POWER EQUIPMENT INSTALLATION	7,870		23	0%	
	*A640	COMMUNICATIONS PROCURE/INSTALL	42,681	43,082	401		REVISED ESTIMATE TO COMPLETE
		,,		,		i	
	*A650	PASSENGER VEHICLES PROCUREMENT	53,423	54,541	1,118 {	2%	REVISED ESTIMATE TO COMPLETE
	WEE	TRANSPORTATION TEST OF STATE	(70	1 100	1	0.00	DE FOTTULTE BLACE OU UNBITCH LIBAR BITCH CROW THAT OFUTEN
		TRANSPORTATION TEST CENTER	639	1,188	549		RE-ESTIMATE BASED ON UPDATED LABOR RATES FROM TEST CENTER
I		LOCOMOTIVE PROCUREMENT	300	300	0	0%	
III.	A672	FLAT CAR PROCUREMENT	59		0 }	0%	
₽.		CRANE PROCUREMENT (FOR FLAT CAR)	26		0 1	011	
12		OPERATIONAL GRAPHICS PROCUREMENT	127	130	(1.054))	2%	
1.0	*A710 A730	ESCALATORS PROCURE/INSTALL FIXED SHOP EQUIPMENT PROCURE/INSTALL	11,520 29		(1,054); 2;		REVISED ESTIMATE TO COMPLETE
		WHEEL TRUING MACHINE	692		80	7% l 12% l	
		FREE STANDING SHOP EQUIPMENT PROCUREMENT			0	0%!	
		VENTILATION EQUIPMENT PROCUREMENT	3,214		156		REVISED ESTINATE TO COMPLETE
		TPSS-AIR HANDLING EQUIPMENT PROCUREMENT	1,367		2	0%!	
		DISPOSAL OF HAZARDOUS WASTE	2,000		0	021	
		SIGNS & GRAPHICS PROCUREMENT	1,385	2,000 1	615		REVISED ENGINEERS' FORECAST
		RUBBER-TIRED VEHICLES PROCUREMENT	283		0 {	0%!	
		MOBILE EMERGENCY & MAINT, EQUIP, PROCURE			0 }	0%1	
		FURNITURE PROCUREMENT			0	0%1	
		FIRE SUPPRESSION EQUIPMENT PROCUREMENT		17	ŏi	0%	
		FIRST STORES & CONSUMABLES PROCUREMENT	130		ő	021	
	*A795	UNINTERRUPTIBLE POWER SUPPLIES (50KVA)	521	521	0 /	0%	
		UNINTERRUPTIBLE POWER SUPPLIES (100KVA)	75		0 }	0%	
		SANTA FE RAIL SPUR	105	105	0	0%	
	*H840	FARE COLLECTION	1,626	1,680	54	3%!	
		ART-N-TRANSIT	948	948 ‡	0	0%1	
		TELEPHONE EQUIPMENT	1,356	1,356	0 {	0% 1	
	2=====	SUBTOTAL CONSTRUCTION/PROCUREMENT ;	651,522	652,615 {	1,095	0.168%	

	FINANCIAL PLAN COMPARISON AND ANALYSIS (ES REVISION 7B TO REVISION 7C CONTRACT DESCRIPTION	CALATED) A 9/30/89 ESC \$ (000)	B 12/30/89 ESC \$ (000)	C = B-A VARIANCE (000)	D = (C/A)1DO % CHANGE	PAGE 6 OF 6 DATE: 12/29/89 COMMENTS
	=======================================	=======================================		=======================================		
	GENERAL CONSULTANT	167,123	170,033	2,910	2%	REVISED TO REFLECT CURRENT ESTIMATE TO COMPLETE
	CONSTRUCTION MANAGER	91,705	93,646	1,941	2%	REVISED TO REFLECT ESTIMATE TO COMPLETE
	CONST RELATED PROF SERVS	7,983	15,346	7,363	92%	INCLUDES PROJECTED CLAIMS SUPPORT SERVICES AND SYSTEMS CONSULTANT SERVICES
	DES. RELATED PROF. SERVS.	12,928	12,928	0	0%	
177	AGENCY	98,985	93,740	(5,245)	-5 %	REVISED TO REFLECT ACTUAL COST EXPERIENCE TO DATE AND PROJECTED COST TO COMPLETE
- -	GENERAL AND ADMINISTRATIVE	12909	10,285	(2,624)	-20% -20%	REVISED TO REFLECT CURRENT PROJECTED COST TO COMPLETE
	PRE-REVENUE OPERATIONS	12,518	13,782	1,264	10%	REFLECTS REVISED PRE-REVENUE REQUIREMENTS
	RIGHT OF WAY	131,047	125,411	(5,636)	-4%	REVISED TO REFLECT CURRENT REQUIREMENTS TO COMPLETE
	OCIP	62,339	55,366	(6,973)		REFLECTS RE-ESTIMATES OF PREMIUM BASIS AND PROJECTED SAVINGS DUE TO FAVORABLE LOSS RATIOS
	PRELIMINARY ENGINEERING	32,800	32,800	0	02	
	CONTINGENCY	72,041	77,948	5,907	82	RESULT OF REVISED ESTIMATES TO COMPLETE
	SUBTOTAL OTHER COSTS	702,378	701,286	(1,093)	-0.156%	
	SUBTOTAL CONSTRUCTION COSTS :	651,522	652,614	1,093	0.168%	REFLECTS RESULT OF UPDATED ESTIMATES TO COMPLETE
	TOTAL MOS - 1	1,353,900	1,353,900	0 1	0.00%	

7 32

III. C. ENVIRONMENTAL IMPACT MITIGATION MEASURES

- SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

III.C. ENVIRONMENTAL IMPACT MITIGATION MEASURES

12/29/89

The 10th edition of the Environmental Impact Mitigation Measures Report is provided as a separate attachment to this

METRO RAIL PROJECT	UMTA QUARTERLY REVIEW
III. D. LRT/MRT INTERRELATED	SSUES
•	

- SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

III. D. LRT/MRT INTERRELATED SCHEDULE ISSUES

Impact of MRT Schedule Changes on LRT

12/29/89

Contract A165, 7th/Flower Station, Stage I, has experienced delays in concrete placements. The contractor has been notified that continued mitigation of delays must be pursued and has responded by adding crews and working multiple shifts and six days a week when required. The contractor is currently working at full capacity during the day shifts.

Contract A167, 7th/Flower Station, Stage II, received a Notice to Proceed on April 17, 1989, as scheduled. The Stage II Contractor is currently working in the Home Savings and Loan Building, which contains the West Entrance to the MRT Station, as well as the Traction Power Substation, and the southern portion of the LRT Station, which contains the Emergency Fan Rooms. Access to the Traction Power Substation occurred on October 12, 1989. Therefore, the first milestone for Contract A167 was achieved.

The major area of concern continues to be Contract A167 Stage II finish requirements that must be completed in the MRT and LRT stations to allow sufficient time for the completion of systems installations by LACTC and SCRTD.

Because Contract A165 missed the LRT Station Area Access milestones, a mitigation plan was implemented to provide access to the A167 contractor so the critical LRT areas can be finished to allow access to the LACTC systemwide installation contractors.

The key LRT/MRT schedule interface concerns are as follows:

LRT Station Area Limited Access. Partial access to the southern portion of the LRT station was provided on July 7, 1989. This area is south along Flower Street from 7th to 8th Street. It provides for access to room areas, platform, trackway, and stairways. Work will include mechanical, electrical, HVAC, and architectural finish. This work will be performed by the Metro Rail Stage II contractor. At the same time, the trackway area has been made available to the LRT contractor and he has been proceeding with his installation.

LRT Station Area Full Access. Full access to the LRT station is currently scheduled for the 2nd quarter of 1990. This slippage from November 1989 is being mitigated by providing partial access to mechanical and communication rooms required for LRT systemwide contracts.

MRT Station Area Access. Full access for the Stage II contractor for the MRT station is currently scheduled for July 5, 1990. This provides for access to the entire Metro Rail station, including elevator hoistways, escalator areas, platform area, entrances, rooms, and passageways. The work to be performed by the Metro Rail Stage II contractor will include masonry, electrical, mechanical, HVAC, and architectural finish activities. At the same time, LACTC will be installing track, signal and communication equipment, and cable.

Station Testing and Start-Up. Full support for LRT station area testing and start-up is currently scheduled for late 1990. Testing was previously scheduled to start July 1, 1990. There is no impact on LRT ROD.

UMTA QUARTERLY REVIEW

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

III. D. LRT/MRT INTERRELATED SCHEDULE ISSUES

12/29/89

_	CONTRACT NUMBER DESCRIPTION		INTERFACE	STATUS		
,	A161	7th/Flower Utility Rearrangement Relocation	Supports total utility requirements of integrated 7th/Flower Statlon.	Contract complete.		
٥.	A165 7th/Flower Station, Stage I		MRT to complete the LRT Station Shell.	The contractor has experienced delays due to his own inefficiencies and delays to concrete placement. The contractor was 75 days behind schedule at the end of December for full access to the LRT station. Partial access was provided to the A167 contractor in July. Contract A165 is not on the Metro Rall critical path but is on the Light Rail critical path. The contractor has been notified that continued mitigation is required.		
:	A167	7th/Flower Station, Stage II	MRT to complete the electrical and finish work so LRT and MRT contractors can proceed to pull cable for signal and communication.	The first access milestone was July 1989. Areas were made available to the contractor at that time.		
	C258	LACTC Trackwork Contract	LACTC contract for installation of track in the station.	Access was provided on schedule in September 1989.		
	A616	Direct Fixation Rall Fasteners	District management of contract to ensure delivery of product to support LRT rail installation.	The contractor delivered the additional 1,700 fasteners for the Long Beach line during this quarter. The contractor also delivered the remaining 9,091 fasteners for the Century Freeway line. This brings the total to 50,500 fasteners.		
				ITUSDA CALIFORNIA DAGID TRANSIT DISTRICT		

UMTA QUARTERLY REVIEW

CONTRACT NUMBER	DESCRIPTION	INTERFACE	STATUS
A630	Traction Power	District management of contract to ensure delivery of equipment to support LRT testing schedule.	The contractor is performing on schedule. Equipment delivery commenced the last quarter of 1989. There is no impact to LRT delivery requirements.
A631	Traction Power Equipment Installation	District management of contract to ensure installation of equipment to support LRT milestone.	The contract was awarded April 27, 1989. NTP was issued on July 2, 1989. Work began in support of LRT on October 12, 1989.
A640	Communication	District management of contract to ensure design, delivery, installation, and testing of communications equipment for the LRT system.	The contractor is performing on schedule. There are no impacts to LRT installation requirements.
A710	Escalators and Elevators	District management of contract to ensure delivery and installation of escalators to support LRT milestone.	The contractor started manufacturing in May and is on schedule. There is no impact to LRT delivery requirements.
A740	Ventilation Equipment	District management of contract to ensure delivery of equipment and completion of mechanical equipment rooms for LRT Station.	Equipment fabrication is in progress. The contractor is on schedule with LRT-required equipment.
A745	Air Handling Equipment	District management of contract to ensure delivery of equipment to support LRT milestones.	Initial delivery of fans to support TPSS installation was completed in May 1989.
A760	Signs and Graphics	District management of contract to ensure completion of signs and graphics to support LRT milestones.	Advertised on December 4, 1989. NTP is scheduled for March 9, 1990.
A795	Uninterruptible Power Supplies	District management of contract to ensure delivery of equipment to support LRT milestones.	The contractor has made preliminary submittals. There is no impact to LRT delivery requirements.

METRO RAIL PROJECT UMTA QUARTERLY REVIEW III. E. DBE

- SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

UMTA QUARTERLY REVIEW

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DBE PROJECT STATUS REPORT

A. FACILITIES CONTRACTS

DATE: 29 Elec 89

			ARD	PAID TO			TICIPATION	REMARKS
OESCRIPTION	DATE	\$ VALUE	X I	\$ VALUE1	%1	10 1		
	(e)	(b)	(c)	(d)	(e)	% WORK COMPLETED	% \$ PAID (d)/(b)x100	
A112 MAIN SHOP BLDG.			'					
ILLINOIS WALSH (1) Holtier (1) Sanders (2) Franklin (1) Dominion Corp (2) Psomas & Assoc. Total DBE TOTAL A-112	09/10/87	19,023,893 1,609,650 1,747,620 574,875 181,880 38,962 4,152,987 23,176,880	82.1 6.9 7.5 2.5 0.8 0.2 17.9	9,515,759 977,176 1,762,599 512,916 149,540 38,962 3,441,193 12,956,952	73.4 7.5 13.6 4.0 1.2 0.3 26.6 100.0	45.0 100.9 91.9 88.2 100.0	60.7 100.9 89.2 82.2	See Comment (1) P.21 See Comment (3) P.21 See Comment (4) P.21 See Comment (2) P.21
MEGA CONST CO (2) Wescove (2) ECCO (2) Allsteel	01/08/87	1,212,931 26,714 298,850 45,079	72.6 1.6 17.9 2.7	1,390,561 21,757 259,153 36,654	77.9 1.2 14.5 2.1	SEE REMARKS	81.4 86.7 81.3	See Comment (5) P.21
(2) Lindero (2) JJJ Floor Covering Total DBE TOTAL A-121		78,471 7,555 456,669 1,669,600	4.7 0.5 27.4 100.0	77,967 0 395,531 1,786,092	4.4 0.0 22.1 100.0		99.4 0.0 86.6 107.0	
A123 WESTRANCO DEMO								
ABRAMS CONTRACTING (1) L. Sibley (1) B. C. Pringle (7) L. Turner Total DBE TOTAL A-123	10/23/86	174,071 24,868 24,868 24,868 74,604 248,675	70.0 10.0 10.0 10.0 30.0 100.0	212,502 14,748 10,639 10,786 36,173 248,675	85.5 5.9 4.3 4.3 14.5 100.0	100.0 100.0 100.0	122.1 59.3 42.8 43.4 48.5 100.0	See Comment (6) P.22

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UMTA QUARTERLY REVIEW

A. FACILITIES CONTRACTS	Α.	FACIL	ITIES	CONTRACTS
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DAT	E:	29	Dec	89

	CONTRACT AWARD		PAID TO		DBE_PARTICIPATION		REMARKS		
	DESCRIPTION	DATE	\$ VALUE	X	\$ VALUE!	%1	10		1
		(a)	(b)	(c)	(d)	(e)	% WORK	% \$ PAID	
	A130 MAIN YARD SHOPS						COMPLETED	(d)/(b)x100	
	TUTOR-SALIBA/PERINI	06/09/88	30,290,503	79.9	1,278,378	26.7	İ	4.2	1
	(2) Chacon Steel	100,000	360,000	1.0	239,274	5,0	73.9	66.5	See Comment (11) P.22
	(3) Tecumseh Constr		2,700,000	7.1	1,373,304	28.7	56.5	50.9	See Comment (10) P.22
	(4) Geofon		151,046	0.4	127,359	2.7	93.7	84.3	See Comment (12) P.22
	(1) LVJ Trucking		540,000	1.4		0.0		0.0	
	(1) Golden Bear		1,600,000	4.2	26,928	0.6	1.9	1.7	See Comment (14) P.22
	(1) Dominion Corp		730,000	1.9	320,650	6.7	48.9	43.9	See Comment (B) P.22
	(2) Fireside Constr.		108,000	0.3		0.0		0.0	See Comment (13) P.22
	(5) Paramount Metals		239,000	0.6	20,331	0.4	9.5	8.5	See Comment (16) P.23
	(1) Anzalone & Assoc.		65,000	0.2		0.0		0.0	
I A	(2) Ayala Boring		52,300	0.1		0.0		0.0	See Comment (7) P.22
1 🖺	(2) American Caisson		1,058,000	2.8	838,782	17.5	88.1	79.3	See Comment (9) P.22
Ш.Е.2	(2) C & S Trucking		N/A	0.0	567,131	11.8	T/H	T/H	See Comment (15) P.22
~	Total DBE		7,603,346	20.1	3,513,759	73.3		46.2	f
	TOTAL A130		37,893,849	100.0	4,792,137	100.0		12.6	ı
	A134 MAIER DEMO ABRAMS CONTRACTING (1) L. Sibley	04/23/87	55,001 7,858	70.0 10.0	68,549 4,053	87.2 5.2	100.0	124.6 51.6	See Comment (17) P.23
	(1) B. C. Pringle		7,858	10.0	3,626	4.6	100.0	46.1	
	(7) L. Turner	1	7,858	10.0	2,347	3.0	100.0	29.9	
	Total DBE		23,574	30.0	10,026	12.8		42.5	
	TOTAL A-134		78,575	100.0	78,575	100.0		100.0	1
ļ					•				
	A135/UNION STATION (1)								
	TUTOR-SALIBA/PERINI (1) LVJ Trucking	05/26/88	35,290,050 640,000	75.46 1.37	3,761,251	34.2 0.0		10.7 0.0	
	(1) Golden Bear		2,738,000	5.85	21,728	0.2	0.9	0.8	See Comment (25) P.24
ľ	(1) Anzalone & Assoc.		278,554	0.60	24,570	0.2	9.8	8.8	See Comment (18) P.23
	(1) Hollier Eng.		1,464,000	3, 13	950,652	8.6	72.2	64.9	See Comment (21) P.23
	(3) Tecumseh Elec.		4,800,000	10.26	4,428,232	40.2	102.5	92.3	See Comment (22) P.23
	(2) Chacon Steel		1,200,000	2.57	642,941	5.8	59.5	53.6	See Comment (20) P.23
	(4) Geofon		223,327	0.48	168,520	1.5	83.8	75.5	See Comment (19) P.23
	(2) C & S Trucking		N/A	0.00	979,441	8.9	T/M	T/M	See Comment (23) P.23
	(2) Felix Corporation		131,000		34,238		29.04		See Comment (24) P.23
	Total DBE	1	11,474,881	24.3	7,250,322	65.5		63.2	
	TOTAL A-135		46,764,931	99.7	11,011,573	99.7	[23.5	
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🗕 SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT 🗕

UMTA QUARTERLY REVIEW

				DATE: 29 Dec 89					
•	DESCRIPTION		CONTRACT AWARD PAID TO DATE DATE \$ VALUE % S VALUE1 %1				DBE PAR	TICIPATION DATE	REMARKS
	PEDUKII I TON	(a)	(b)	(c)	(d)	(e)	% WORK COMPLETED	% \$ PAID (d)/(b)x100	
	A141 UNION STATION TO 5TH/HILL & CIVIC STATION(I)								
	TUTOR SALIBA/GROVES	02/26/87	48,360,701	79.42	30,831,766	88.9		63.8	
	(1) Golden Bear		4,794,756	7.87	84,415	0.2	2.0	1.8	See Comment (31) P.2
	(5) RPT		3,872,687	6.36	1,584,871	4.6	45.5	40.9	See Comment (26) P.2
	(4) Geofon		1,229,425	2.02	877,500	2.5	79.3	71.4	See Comment (30) P.2
	(2) Valverde		614,712	1.01	282,405	0.8	48.2	45.9	See Comment (32) P.2
	(2) Best Western Paving (1) LVJ Leasing		70,160 1,280,000	0.12 2.10	58,092 650,000	0.2 1.9	1/M 50.8	82.8 50.8	See Comment (33) P.25 See Comment (27) P.26
	(2) felix Corporation		307,356	0.50	256,192	0.7	99.5	83.4	See Comment (29) P.24
	(2) Franklin Reinforcing		19,360	0.03	20,784	0.1	107.4	107.4	See Comment (28) P.24
	(5) P.I.E.		307,356	0.50	0	0.0	0.0	0.0	COO COMMITTE (ED) . 10
	(1) Anzalone		35,500	0.06	0	0.0	0.0	0.0	
	(1) Golden Bear		T/M	N/A	41,502	XX	T/H	T/H	See Comment (34) P.29
	Total DBE		12,531,312	20.6	3,855,761	11.0	1	30.8	1
	TOTAL A-141		60,892,013	100.0	34,687,527	99.9		57.0	
	A144/GROUNDWATER TRIMT PLNT								
	OPERATIONS CONSULTANTS	06/23/88	1,049,805	71.0	642,478	75.4		61.2	See Comment (35) P.2
	(5) Lee & Ro	,,	255,840	17.3	101,860	12.0	85.4	39.8	
	(2) Felix		150,000		95,702	11.2	100.0	63.8	
	(4) Kal Kirshnan		23,859	1.6	11,873	1.4	49.8	49.8	See Comment (36) P.29
	Total DBE		429,699	18.9	209,435	24.6		48.7	
	TOTAL A-144		1,479,504	89.9	851,913	100.0		57.6	
	A145 5TH/HILL STN(I)								
	GUY F. ATKINSON	03/12/87	30,014,868	76.62	12,328,216	67.7		41.1	
	(1) Cal St Placers		2,990,177	7.63	1,295,899	7.1	43.3	43.3	0 0 4781 5 3
	(5) PIE		1,894,782	4.84	1,310,137	7.2	69.1	69.1 51.7	See Comment (38) P.2
	(2) Valverde (7) REH Trucking		2,165,465 1,546,761	5.53 3.95	1,118,805 1,853,100	6.1 10.2	51.7 119.8	119.8	
	(6) Connie Hall	ľ	30,457	0.08	30,457	0.2	100.0	100.0	
	(2) Psomas & Assoc.		12,732	0.03	12,732	0.1	100.0	100.0	
	(2) Ruben Rodriguez		37,915	0.10	37,915	0.2	100.0	100.0	
	(2) felix Corporation		44,240	0.11	67,747	0.4	T/M	153.1	See Comment (37) P.29
	(3) Uribe		629	0.00	629	0.0	100.0	100.0	See Comment (39) P.25
	(6) Shelby Electric		420,000	1.07	145,793	0.8	34.7	34.7	
	(7) Intra-American		14,390	N/A	14,390				
	Total DBE		9,157,548	23.3	5,887,604	32.2		64.3	
	TOTAL A-145		39, 172, 416	100.0	18,215,820	99.9	I	46.5	I

UMTA QUARTERLY REVIEW

Α	FACIL	ITIES	CONTRACTS	

DATE: 29 DEC 89

	DESCRIPTION	CONTRACT AWARD			PAID TO \$ VALUE1	DATE %1	DBE PAR	TICIPATION	REMARKS
	DESCRIPTION	(a)	(b)	(c)	(d)	(e)	% WORK	X \$ PAID	
	A146 5TH/HILL TD 7TH/FLOWER						COMPLETED	(d)/(b)x100	
	SHANK/OBAYASHI (1) Doubleday (1) Carr Trucking (6) Dixie Total DBE TOTAL A-146	03/12/87	14,070,851 2,897,269 492,000 761,700 4,150,969 18,221,820	77.2 15.9 2.7 4.2 22.8 100.0	6,302,965 1,216,160 537,008 632,613 2,385,781 8,688,746	72.5 14.0 6.2 7.3 27.5 100.0	86.7 109.2 83.1	44.8 42.0 109.1 83.1 57.5 47.7	See Comment (40) P.25
Н	A161 7TH/FLOWER UTILITY RELOCATION			,					
III.E. 4	DALTON CONSTRUCTION (2) Esquivel Paving (6) J. Cal Transport (2) Psomas & Assoc. Total DBE TOTAL A-161	12/17/86	2,499,853 598,460 136,605 17,582 752,647 3,252,500	76.9 18.4 4.2 0.5 23.1 100.0	2,430,739 768,433 177,320 17,582 963,335 3,394,074	71.6 22.6 5.2 0.5 28.4 100.0	100.0 100.0 100.0 100.0	97.2 128.4 129.8 100.0 128.0 104.4	See Comment (41) P.26
	A165 7TH/FLOWER (STAGE 1)								
	GRANITE CONSTRUCTION CO. (4) Geofon (1) Madison Paving (2) Uribe (1) Gueno (1) R. A. Francis (5) CoastGeo (1) Sanders Engineering (2) Felix Corporation (1) Dominion (1) Diversified Industry (5) ORECOR	12/17/87	34,869,169 390,818 307,735 216,765 1,014,675 3,932,000 173,800 210,000 114,000 355,789 938,194	81.4 0.9 0.7 0.5 2.4 9.2 0.8 0.4 0.5 0.3 0.8 2.2	11,564,050 297,972 59,007 0 1,239,245 2,982,139 362,191 62,784 403,871 117,365 783,245 848,006	61.8 1.6 0.3 0.0 6.6 15.9 1.9 0.3 2.2 0.6 4.2	76.2 19.2 122.1 75.8 106.8 36.1 192.3 110.5 220.1	76.2 19.2 0.0 122.1 75.8 106.8 36.1 192.3 103.0 220.1 90.4	See Comment (43) P.26 See Comment (42) P.26
	Total DBE TOTAL A-165		7,992,776 42,861,945	18.6 100.0	7,155,825 18,719,875	38.2 100.0		89.5 43.7	

UMTA QUARTERLY REVIEW

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DATE: 29 Dec 89

DESCRIPTION	CON DATE (a)	TRACT AN SVALUE (b)	ARD % (c)	PAID TO \$ VALUE1 (d)	DATE %1 (e)	DBE PAR TO I	TECEPATION DATE	REMARKS
.447 77046.0000 400467	`"/	(0)	(0)	(0)	(6)	COMPLETED	(d)/(b)x100	
A167 7TH/FLOWER (STAGE 11)								
TUTOR-SALIBA	03/23/89	18,646,000	88.7					
(1) Anzalone & Assoc (2) Felix Corp		483,000	2.3 6.3					
(6) Jefco Benders		1,325,000 571,000	2.7					
Total DBE		2,379,000	11.3					
TOTAL A-167		21,025,000	100.0					
A171 7TH/FLOWER TO								
WILSHIRE/ALVARADO								
SHANK/OBAYASHI	01/08/87	19,913,099	75.6	10,954,447	72.7		55.0	
(1) Doubleday	01,00,01	4,741,214	18.0	2,551,189	16.9	85.7		See Comment (44) P.26
(1) Carr Trucking		605,822	2.3	1,512,791	10.0	249.7		See Comment (45) P.26
(6) Dixie		1,079,943	4.1	58,669	0.4	5.4	5.4	
Total DBE	1	6,426,979	24.4	4,122,649	27.3		64.1	
TOTAL A-171		26,340,078	100.0	15,077,096	100.0		57.2	
A172 BEMBI DEMO								
ABRAMS CONTRACTING	12/11/87	16,120	62.0	20,480	78.8		127.0	See Comment (46) P.26
(1) L. Sibley		2,470	9.5	853	3.3	100.0	34.5	
(1) B. C. Pringle		2,470	9.5	2,453	9.4	100.0	99.3	
(7) L. Turner		4,940	19.0	2,214	8.5	100.0	44.8	
Total OBE		9,880	38.0 100.0	5,520	21.2 100.0		55.9 100.0	
TOTAL A-172		26,000	100.0	26,000	100.0		100.0	
A173 ALVARADO DEMO								
ABRAMS CONTRACTING	12/11/86	47,689	71.5	47,982	71.9	Ι΄	100.6	
(1) L. Sibley		6,337	9.5	9,599	14.4	100.0	151.5	See Comment (47) P.26
(1) 8. C. Pringle		6,337	9.5	6,986	10.5	100.0	110.2	
(7) L. Turner		6,337	9.5	2,133	3.2	100.0	33.7	
Total DBE TOTAL A-173		19,011 66,700	28.5 100.0	18,718 66,700	28.1 100.0		98.5 100.0	
IOINE W. IV3	ı ,	90,700	100.0	00,700	100.0	I	1 100.0	

UMTA QUARTERLY REVIEW

		A. FACILITIES CONTRACTS									
	DESCRIPTION	DATE	TRACT AWARD %		PAID TO DATE \$ VALUE1 %1		DBE PARTICIPATION TO DATE		REMARKS		
	A175 WILSHIRE/ALVARADO STN(I)	(a)	(b)	(c)	(d)	(e)	% WORK COMPLETED	% \$ PAID (d)/(b)x100			
	TUTOR SALIBA PERINI (4) Geofo (2) Franklin (5) PIE (6) Damon (2) Felix (6) Dixie (1) Golden Bear Total DBE TOTAL A-175	06/11/87	18,304,056 280,522 3,038,987 1,051,957 233,768 233,768 233,768 20,000 5,092,770 23,396,826	78.2 1.2 13.0 4.5 1.0 1.0 0.1 21.8 100.0	7,715,719 257,105 1,652,013 507,530 0 153,181 336,379 38,242 2,944,450 10,660,169	72.4 2.4 15.5 4.8 0.0 1.4 3.2 0.4 27.6 100.0	91.7 54.4 48.3 65.5 143.9 191.2	0.0 65.5	See Comment (50) P.27 See Comment (48) P.27 See Comment (51) P.27 See Comment (49) P.27		
III.E.6	SUB-TOTAL BY CODE 1 - Black 2 - Hispanic 3 - Native American 4 - Asian Indian 5 - Asian Pacific 6 - WBE 7 - Dual DBE/WBE Total DBE Non- DBE/WBE GRANO TOTAL		35,915,507 13,042,308 7,500,629 2,298,997 8,898,816 3,467,241 1,605,154 72,728,652 273,838,660 346,567,312	10.4 3.8 2.2 0.7 2.6 1.0 0.5 21,0 79.0	17,457,791 9,194,671 5,802,165 1,740,329 4,734,926 1,381,231 1,884,970 42,196,083 99,065,842	12.4 6.5 4.1 1.2 3.4 1.0 1.3 29.9 70.1		48.6 70.5 77.4 75.7 53.2 39.8 117.4 58.0 36.2			

111. E.

DBE PROJECT STATUS REPORT

B. SYSTEM/SYSTEMWIDE CONTRACTS

DATE: 29 Dec 89

CONTRACT/CONTRACTOR	CON	TRACT A	ARD	PAID TO	DATE	DBE PAR	TICIPATION	Remarks
DESCRIPTION	DATE	\$ VALUE	X	\$ VALUE1	%1	TO		
	(a)	(b)	(c)	(d)	(e)	% WORK COMPLETED	% \$ PAID (d)/(b)x100	
A610/115 TRACKWORK INSTALL/YARD STORAGE								
CAL ENGIN CONTRACTOR (7) United Engin (2) Best Western (6) West Coast Trans (1) Dominion Corp. (1) T. S. Kent (2) Savala Equip. Co. (6) O'Keefe Engr. Inc. (7) United Engineering Total DBE TOTAL A-610/115	02/25/88	16,576,171 2,421,912 600,120 548,681 1,178,807 107,164 N/A N/A 324,042 5,180,726 21,756,897	76.2 11.1 2.8 2.5 5.4 0.5 0.0 1.5 23.8	6,213,571 2,483,563 20,295 321,349 1,524,132 104,871 26,388 99,660 0 4,580,258 10,793,829	57.57 23.01 0.19 2.98 14.12 0.97 0.24 0.92 0.00 42.4	102.55 3.38 58.57 129.29 101.32 100.00 100.00 0.00	37.48 102.55 3.38 58.57 129.29 97.86 100.00 100.00 0.00 88.4 49.6	See Comment (1) P.27 See Comment (4) P.27 See Comment 2&3 P.27 See Comment 2&3 P.27
A612/CONTACT RAIL L.B. FOSTER (7) Lashcon Inc. (1) Hohco Inc. (1) Peel's Technical Svc. Total DBE TOTAL A-612	04/14/88	1,855,899 197,601 14,460 15,019 227,080 2,082,979	89.10 9.49 0.69 0.72 10.9	159,300 0 16,854 176,154 176,154	0.00 90.43 0.00 9.57 100.0	48.56 112.22	0.00	See Comment (5) P.27 See Comment (6) P.28 See Comment (7) P.28
A615 PROTECTIVE COVERBOARD THE BUDD COMPANY (6) Imperial Transport. Total DBE TOTAL A-615	07/14/88	427,779 22,514 22,514 450,293	95.0 5.0 5.0 100.0					
A616 RAIL FASTENERS LORD (1) Judd Industries Total DBE TOTAL A-616	07/23/87	3,720,531 455,149 455,149 4,175,680	89.1 10.9 10.9 100.0	439,202 608,217 608,217 1,047,419	41.9% 58.1% 58.1% 100.0%	133.63	11.80 133.63 133.6 25.1	See Comment (8) P.28

UMTA QUARTERLY REVIEW

ı			DATE: 29 Dec 89							
ļ	CONTRACT/CONTRACTOR DESCRIPTION	C O N	TRACT AL	ARD	PAID TO	DATE X1	DBE PARTICIPATION TO DATE		Remarks	
		(a)	(b)	(c)	(d)	(e)	% WORK COMPLETED	% \$ FAID (d)/(b)x100		
	A620 AUTD TRAIN CONTROL									
	GEN RAILWAY SIGNAL (6) O'Keefe Engin (2) L & B Electric Total DBE TOTAL A-620	09/23/87	9,914,866 165,248 936,405 1,101,653 11,016,519	90.0 1.5 8.5 10.0 100.0	182,618 19,465 0 19,465 202,083	90.4 9.6 0.0 9.6 100.0	11.78		See Comment (9) P.28 See Comment (10) P.28	
	A630 TRACTION POWER EQUIP ENPROTECH, INC. (2) Power Energy Ind. Total DBE TOTAL A-630	09/22/88	4,354,823 1,492,293 1,492,293 5,847,116	74.5 25.5 25.5 100.0						
	A631 TRACTION POWER SUBSTATION EQUIPMENT INSTALLATION FISCHBACH AND MOORE (2) Hollier Const. (2) Borbon, Inc. (2) Martinez Elec. Total DBE Total A-631	04/27/89	7,021,322 667,025 133,405 1,474,477 2,274,907 9,296,229	75.5 7.2 1.4 15.9 24.5 100.0			į		See Comment (11) P.28	

- SOUTHERN CALIFÖRNIA RAPID TRANSIT DISTRICT .

UMTA QUARTERLY REVIEW

				B. SYSTEM/S	YSTEMWIDE CONTRA	ACTS			DATE: 29 Dec 89		
	CONTRACT/CONTRACTOR DESCRIPTION	C O N	TRACT AW SVALUE	ARD	PAID TO	DATE X1		TICIPATION DATE	Remarks		
		(a)	(b)	(c)	(d)	(e)	% WORK COMPLETED	% \$ PAID (d)/(b)x100			
	A640 COMMUNICATION				ļ						
пп.в.9	BECHTEL CIVIL, INC. (1) Auto. Systems Control (1) Communications Intl. (1) Robnett Elect (6) Lamptronix Co. (2) Aguirre Electronic (1) Dagon Communications (5) Exton Metal Prods. (2) Chicago Name Plate (1) Infomax Data System (6) Wordsmith Enterprises (6) Heritage (7) Encore Temps, Inc. (6) Midcom (6) Barristers Reporting (6) PC Systems Total DBE TOTAL A-640	06/09/88	31,321,211 619,056 1,005,155 1,251,903 46,111 46,111 806,953 47,648 46,111 100,800 175,073 5,000 163,968 38,944 T/M 11,500 4,364,333 35,685,544	87.77 1.73 2.82 3.51 0.13 0.13 2.26 0.13 0.13 0.28 0.49 0.01 0.46 0.11 0.00 0.03 12.2	3,023,849 122,025 3,700 38,944 15,118 11,540 191,327 3,215,176	94.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.1 0.0 1.2 0.5 0.4	74.00 100.00 T/M 100.35	9.65 0.00 0.00 9.75 0.00 0.00 0.00 0.00 0.00 74.00 0.00 190.00 T/M	See Comment (12) P.28 See Comment (13) P.28 See Comment (14) P.29		
3.9	A710 ESCALATORS		35,005,544	100.0	3,213,170	100.0	i	7.0			
	MONTGOMERY ELEVATOR CO. (6) Heritage (6) Harry T. Williams (5) Aggregate Material	09/22/88	12,345,616 1,200 1,100 2,400	95.6 0.0 0.0 0.0	1,719 718	0.00 1.41 0.00 0.59	143.25 65.27	0.00 143.25 0.00 29.92	See Comment (17) P.29		
	(7) G&C Equipment (1) Carr Trucking (2) Cal Mex Welding (3) JJJ Floor Covering (5) Martin & Huang (2) Cordova Bolt		43,500 293,550 19,600 8,000 13,600 2,800	0.3 2.3 0.2 0.1 0.1 0.0	62,912	51.56 0.00 0.00 0.00 0.00 0.00	144.63	144.63 0.00 0.00 0.00 0.00	See Comment (18) P.29		
	(6) A&B Warehouse (2) Action Wholesale (6) PC Systems (1) Brett Chevrolet (1) Brandon Industrial (2) Orange Coast Electric Total DBE TOTAL A-710		89,500 53,500 T/M T/M 25,063 15,427 569,240 12,914,856	0.7 0.4 0.0 0.0 0.2 0.1 4.4 100.0	93,802 4,421 7,088 25,063 15,427 211,150 211,150	76.87 3.62 5.81 20.54 12.64 173.0 173.0	104.81 8.26 n/a n/a 100.00 100.00	104.81 8.26 n/a n/a n/a n/a 37.1 1.6	See Comment (19) P.29 See Comment (15) P.29 See Comment (16) P.29		

UMTA QUARTERLY REVIEW

			DATE: 29 Dec 89							
	CONTRACT/CONTRACTOR			ARD	PAID TO		DBE PARTICIPATION		Remarks	
1	DESCRIPTION	DATE	\$ VALUE	X	\$ VALUE1	X1	TO		•	
		(a)	(b)	(c)	(d)	(e)	% WORK COMPLETED	% \$ PAID (d)/(b)x100		
	A732 WHEEL TRUING MACHINE									
	SIMMONS MACHINE TOOL CO. TOTAL A-732	07/28/88	693,000 693,000							
	A740 VENTILATION EQUIPMENT				1					
	FLAKT, INC.	02/25/88	3,676,260	90.7	90,844	30.90		2.47		
ľ	(4) Kal Kirshnan		69,280	1.7	52,153	17.74	75.28	75.28	See Comment (20) P.29	
ľ	(2) National Metal		122,258	3.0	34,502	11.73	28.22	28.22		
1	(6) CT Trucking		65,200	1.6	· 1	0.00		0.00		
	(2) North End Welding		61,130	1.5	40,024	13.61	65.47	65.47	İ	
ı	(6) Aerovent		48,903	1.2	76,502	26.02	156.44	156.44	İ	
l	(1) Brandon Supply		12,225	0.3		0.00		0.00	ļ	
	Total DBE		378,996	9.3	203,181	69.1		53.6		
l 🖰	TOTAL A-740		4,055,256	100.0	294,025	100.0		7.3	1	
l E	•								1	
in	A745 AIR HANDLING EQUIPMENT		W	ĺĺĺ						
10	FLAKT, INC.	02/11/88	1,183,924	87.1	70,686	31.59		5.97	See Comment (21) P.29	
	(4) Kal Kirshnan	02,11,00	20,500	1.5	16,962	7.58	82.74	82.74	000 00	
1	(6) Aerovent	[127,158	9.4	136, 137	60.83	142.00		See Comment (22) P.29	
1	(6) CT Trucking		27,500	2.0	,	0.00			See Comment (23) P.29	
I	Total DBE		175,158	12.9	153,099	68.4		87.4		
l	TOTAL A-745		1,359,082	100.0	223,785	100.0		16.5		

UMTA QUARTERLY REVIEW

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT .

				B. SYSTEM/S	YSTEMWIDE CONT	RACTS			DATE: 29 Dec
•	CONTRACT/CONTRACTOR DESCRIPTION	C O N DATE			PAID TO DATE S VALUE1 %1		DBE PARTICIPATION TO DATE		Remarks
		(a)	(b)	(c)	(d)	(e)	X WORK COMPLETED	X \$ PAID (d)/(b)x100	
	A750 HANDLING, TREATMENT & DISPOSAL OF HAZARDOUS MATERIALS								
	CHEMICAL WASTE MGMT, INC. (1) Gueno Develop. (5) CKY, Inc. (1) D & S Eartmoving Equi (2) Commerce Glove Co. (6) Heritage Unlimitted Total DBE TOTAL	12/30/88	410,500 41,000 24,500 19,000 2,500 2,500 89,500 500,000	82.1 8.2 4.9 3.8 0.5 0.5 17.9					
	CHEM-TECH SYSTEMS TOTAL	12/30/88	250,000 250,000	100.0 100.0					
	CONVERSE ENVIRONMENTAL (5) MAA Engg Consultants Total DBE TOTAL	12/30/88	200,000 50,000 50,000 250,000	80.0 20.0 20.0 100.0					
	DAMES & MOORE (5) CKY Environmental Total DBE TOTAL	12/30/88	450,000 50,000 50,000 500,000	90.0 10.0 10.0 100.0					
	METCALF & EDDY (2) Valles & Moon (6) J-Cal Transportation Total DBE TOTAL	12/30/88	425,000 25,000 50,000 75,000 500,000	85.0 5.0 10.0 15.0 100.0					
	Total A-750 DBE TOTAL A-750		264,500 2,000,000	13.2					

UMTA QUARTERLY REVIEW

	CVCTEM	SYSTEMUIDE	CONTRACTS
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DATE: 29 Dec 89

CONTRACT/CONTRACTOR	CON	TRACT AV	JARD	PAID TO	DATE	DBE PAR	TICIPATION	Remarks
DESCRIPTION	DATE	\$ VALUE	%	\$ VALUE1	%1	TO	DATE	
	(a)	(b)	(c)	(d)	(e)	% WORK	X \$ PAID	
						COMPLETED	(d)/(b)x100	
UPS SYSTEMS, INC	07/14/88	565,803	98.8					
(1) Robnett Electric		7,000	1.2					
Total DBE		7,000	1.2					
TOTAL A-795		572,803	100.0					
SUB-TOTAL BY CODE								
1 - Black		5,952,304	5.3	2,401,162	14.9		40.3	
2 - Hispanic		5,698,162	5.1	141,057	0.9		2.5	
3 - Nat. Amer		8,000	0.0	. 0	0.0	l	0.0	
4 - Asian Indian		89,780	0.1	69,115	0.4		77.0	
5 - Asian Pacific		188,148	0.2	718	0.0	i	0.4	
6 - WBE		1,426,132	1.3	825,024	5.1	l	57.9	
7 - Dual DBE/WBE		3,151,023	2.8	2,705,775	16.7		85.9	
Total DBE		16,513,549	14.8	6,142,851	38.0		37.2	
Non- DBE/WBE		95,392,705	85.2	10,020,770	62.0		10.5	
GRAND TOTAL		111,906,254	100.0	16, 163,621	100.0		14.4	

111.8.1

111. E.

DBE PROJECT STATUS REPORT

C. PROFESSIONAL SERVICES

Date: 29 Dec 89

		YEAR CONTRACT			DATE	REMARK	S
CONTRACT/CONTRACTOR		ND DBE COMMITME		101			
DESCRIPTION	DATE	\$ VALUE1	X 1	\$ VALUE	*		
CONSTRUCTION MGMT							
PDCD	10-Jul-84	57,129,985	77.9	43,252,992	76.8	See Comments	P.30
(7) BPS		1,724,787	2.4	1,344,190	2.4		
(1) CCSC	1 1	6,262,245	8.5	4,910,887	8.7		
(5) Hayekawa		640,279	0.9	411,526	0.7	See Comments	P.30
(1) Jenkin, Gale	1	2,225,795	3.0	2,024,489	3.6		
(5) Martin & Huang		1,660,929	2.3	1,531,489	2.7		
(6) NPCN	1 1	1,560,923	2.1	1,401,470	2.5		
(2) Ochoa/Sillas	1 1	358,830	0.5	66,860	0.1	See Comments	P.30
(6) Randolph/Tate	1	59,625	0.1	2,734	0.0	ì	
(2) Vanir	1 1	739,047	1.0	704,197	1.2	See Comments	
(7) Mary & Son	1 1	42,728	0.1	27,908	0.0	See Comments	
(1) G. Gray		153,381	0.2	149,616	0.3	See Comments	P.30
(1) Coleman Security	1 1	225,041	0.3	194,723	0.3		
(4) Kal Krishnan	1 1	187,408	0.3	179,499	0.3		
(2) Transmetrics	1 1	129,941	0.2	71,260	0.1	ł	
(2) D'Leon Consulting	i I	269,629	0.4	62,357	0.1		
Total DBE	- I	16,240,588	22.1	13,083,205	23.2		
TOTAL C.N.	1	73,370,573	100.0	56,336,197	100.0		
GENERAL PLANNING							
SCA	01-Mar-84	8,315,381	79.1	7,628,646	77.7	See Comments	P.31
(2) Cordoba Corp.				1,452,018	14.8		
(6) Myra L. frank & Asso.			1 1	307,515	3.1		
(1) The Planning Grp				296,857	3.0		
(2) Manuel Padron & Asso.	1 1			85,881	0.9		
(5) Comsis Corporation	1			19,733	0.2		
(6) Evaluation & Irng Inst.	1			30,113	0.3		
Total DBE		2,195,281	20.9	2,192,117	22.3		
TOTAL G.P.C.	1 1	10,510,662	100.0	9,820,763	100.0		

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UMTA QUARTERLY REVIEW

	c.	PROFESSIONAL SE	RVICES			Date: 29	Dec 89	
CONTRACT/CONTRACTOR		-YEAR CONTRACT A		PAID TO		REMARKS		
DESCRIPTION	DATE	\$ VALUE1	X1	\$ VALUE	X I			
SYSTEMS ENGR. ANALYSIS								
BOOZ, ALLEN & HAMILTON	01-Nov-84	8,144,025	80.0	7,568,835	82.3			
(5) ACEX				583,711	6.4			
(5) Abacus Enterprise	1 1			361,501	3.9 0.3			
(5) Mundle & Associates (6) Laughlin Publications	1 1		· '	24,000 218,425	2.4	1		
(6) H. A. Anderson	1 1			1,999	0.0			
(1) PII				314,638	3.4			
(6) TransPerf Engineering	- i - I			103,186	1.1			
(6) North Pacific Constr.	1 1			14,793	0.2			
Total DBE	1 1	2,041,189	20.0	1,622,253	17.7	ŀ		
TOTAL S.E.A.		10,185,214	100.0	9,191,088	100.0			
DISTRICT INSURANCE ADM.								
JKOR	01-Oct-84	867,018	58.7	213,373	49.4	See Comments	P.30	
(5) Akasaka/Ortiz		33,900	2.3	11,475	2.7			
(7) TGBP		526, 187	35.6	190,286	44.0			
(7) Rideau	1 1	50,850	3.4	17,212 218,973	4.0 50.6			
Total DBE TOTAL D.1.A.		610,937 1,477,955	41.3 100.0	432,346	100.0			
IDIAL D.I.A.		1,477,933	100.0	432,340	100.0			
GENERAL CONSULTANT		29,101,976	33.4					
MRTC	01-Apr-83	54,610,807	62.6	56,028,162	63.6	See Comments	P.30	
(5) Asian (19)	1 1	8,297,982	9.5	7,853,866	8.9			
(1) Black (30)	1	15,697,467	18.0	15,959,356	18.1			
(2) Hispanic (11)		3,751,767	4.3	3,598,000	4.1 5.2			
(6) Women (36) Total DBE		4,858,842 32,606,058	5.6 37.4	4,602,991 32,014,213	36.4			
TOTAL G.C.		87,216,865	100.0	88,042,374	100.0			
IUIAL G.C.	- i	01,210,003	1 100.0	1 00,042,314	100.0	1		

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UMTA QUARTERLY REVIEW

C' LUCLESSIONNE SENAICI	С.	PROFESSIONAL	SERVICES
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Deter	-20	_	~~
Date:	74	l ec	244

CONTRACT/CONTRACTOR		-YEAR CONTRACT /		PAID TO	REMARKS	
DESCRIPTION	DATE	\$ VALUE1	% 1	\$ VALUE	×	
ARCHEOLOGIST						
(6) GREENWOOD & ASSOCIATES	01/22/87	160,945	100.0	210,700	100.0	See Comments P.31
Total DBE		160,945	100.0	210,700	100.0	
TOTAL ARCHEOLOGIST		160,945	100.0	210,700	100.0	
SUB-TOTAL BY DBE CODE						
(1) Black		24,563,929	13.4	23,850,566	14.5	
(2) Hispanic		5,249,214	2.9	6,040,573	3.7	
(3) Nat. Amer.		D 107 /00	0.0	170 /00	0.0	
(4) Asian Ind. (5) Asian Pacific		187,408 10,633,090	0.1 5.8	179,499 10,797,301	0.1	
(6) WSE		6,640,335	3.6	6,893,926	4.2	
(7) Dual DBE/WBE	1	2,344,552	1.3	1,579,596	1.0	
TOTAL DBE		53,854,998	29.4	49,341,461	30.1	
Non-DBE/WBE		129,067,216	70.6	114,692,008	69.9	
GRAND TOTAL		182,922,214	100.0	164,033,468	100.0	

UMTA QUARTERLY REVIEW

A. FACILITIES CONTRACTS DBE GOAL ACHIEVEMENT SCHEDULE

	DESCRIPTION	Advert Gos		Awarded Goal	Achieved Goal	Variance	Remarks
	A112 MAIN SHOP BLDG.	DBE	WBE	17 029	4/ 959	7.079	2
	A121 MAINT OF WAY	20.00%	3.00%	17.92%	14.85%	-3.07%	See Comments (1-4) P.21
	MEGA CONST CO A123 WESTRANCO DEMO ABRAMS CONTRACTING	18.00%	4.00%	27.35%	23.69%	-3.66%	See Comment (5) P.21
	A130 MAIN YARD SHOPS TUTOR-SALIBA/PERINE	18.00%	4.00%	30.00%	9.27%	-15.45%	See Comment (6) P.22
	A134 MAIER DEMO ABRAMS CONTRACTING	18.00%	4.00%	20.06% 30.00%	12.76%	-10.79% -17.24%	See Comments (7-15) P.22 See Comment (17) P.23
H	A135/UNION STATION (I) TUTOR-SALIBA/PERINI	20.00%	4.00%	24.26%	15.50%	-8.75%	See Comments (18-25) P.23/24
	A141 UNION STATION TO 5TH/HILL & CIVIC STATEON(I)	2010010			121207	211210	
16	TUTOR SALIBA/GROVES	18.00%	4.00%	20.58%	6.33%	-14.25%	See Comments (26-34) P.24/25
	A144/GROUNDWATER TRIMIT PLNY OPERATIONS CONSULTANTS	10.00%		18.90%	14.16%	-4.75%	See Comments (35-36) P.25
	A145 5TH/HILL STN(I) GUY F. ATKINSON	18.00%	4.00%	23.34%	15.03%	-8.31%	See Comments (37-39) P.25
	A146 5TH/HILL TO 7TH/FLOWER SHANK/OBAYASHI	18.00%	4.00%	22.78%	13.09%	-9.69%	See Comment (40) P.25
	A161 7TH/FLOWER UTILITY RELOCATION DALTON CONSTRUCTION	18.00%	4.00%	23.14%	29.62%	6.48%	See Comment (41) P.26
	A165 7TH/FLOWER (STAGE 1) GRANITE CONSTRUCTION CO.	18.00%	4.00%	18.65%	16.70%	-1. 9 5%	See Comments (42-43) P.26
	A167 7TH/FLOWER (STAGE !!) TUTOR-SALIBA	12.00%		11.32%	0.00%	-11.32%	

- SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

UMTA QUARTERLY REVIEW

A. FACILITIES CONTRACTS DBE GOAL ACHIEVEMENT SCHEDULE

DESCRIPTION	Advert Goa		Awarded Goat	Achieved Goal	Variance	Remarks
A171 7TH/FLOWER TD	DBE	WBE				
WILSHIRE/ALVARADO SHANK/OBAYASHI	18.00%	4.00%	24.40%	15.65%	-8.75%	See Comments (44-45) P.26
A172 BEMBI DEMO ABRAMS CONTRACTING	18.00%	4.00%	38.00%	21.23%	-16.77%	See Comment (46) P.26
A173 ALVARADO DEMO ABRAMS CONTRACTING	18.00%	4.00%	28.50%	28.06%	-0.44%	See Comment (47) P.26
A175 WILSHIRE/ALVARADO STN(I) TUTOR SALIBA PERINI	18.00%	4.00%	21.77%	12.58%	0.00%	See Comments (48-51) P.27

UMTA QUARTERLY REVIEW

B. SYSTEM/SYSTEMWIDE DBE GOAL ACHIEVEMENT SCHEDULE

DESCRIPTION			Awarded Goal	Achieved Goal	Variance	Remarks	
A610/115 TRACKWORK INSTALL/YARD STORAGE CAL ENGIN CONTRACTOR	18.00%	4.00X	23.81%	21.05%	-2.76 %	See Comments (1-4)	P.27
A612/CONTACT RAIL L.B. FOSTER	10.00%		10.90%	8.46%	-2.44%	See Comments (5-7)	P.27/28
A615 PROTECTIVE COVERBOARD THE BUDD COMPANY	3.00%		5.00%	0.00%	-5.00%		
A616 RAIL FASTENERS LORD	10.00%		10.90%	14.57%	3.67%	See Comment (8)	P.28
A620 AUTO TRAIN CONTROL GEN RAILWAY SIGNAL	15.00%		10.00%	0.18%	-9.82%	See Comments (9-10)	P.28
A630 TRACTION POWER EQUIP ENPROTECH, INC.	20.00%		25.52%	0.00%	-25.52%		
A631 TRACTION POWER SUBSTATION EQUIPMENT INSTALLATION FISCHBACH AND MOORE	18.00%		24.47%	0.00%	-24.47%	See Comment (11)	P.28
A640 CONMUNICATION BECHTEL CIVIL, INC.	12.00%		12.23%	0.54%	-11.69%	See Comments (12-14)	P.28/29
A710 ESCALATORS MONTGOMERY ELEVATOR CD.	4.00%	!	4.41%	1.63%	-2.77%.	See Comments (15-19)	P.29
A732 WHEEL TRUING MACHINE SIMMONS MACHINE TOOL CO.	0.00%		0.00%	0.00%	0.00%		
A740 VENTILATION EQUIPMENT FLAKT, INC.	9.00%		9.35%	5.01%	-4.34%	See Comment (20)	P.29
A745 AIR HANDLING EQUIPMENT FLAKT, INC.	12.00%		12.89%	11.26%	-1.62%	See Comments (21-23)	P.29
	A610/115 TRACKWORK INSTALL/YARD STORAGE CAL ENGIN CONTRACTOR A612/CONTACT RAIL L.B. FOSTER A615 PROTECTIVE COVERBOARD THE BUDD COMPANY A616 RAIL FASTENERS LORD A620 AUTO TRAIN CONTROL GEN RAILWAY SIGNAL A630 TRACTION POWER EQUIP ENPROTECH, INC. A631 TRACTION POWER SUBSTATION EQUIPMENT INSTALLATION FISCHBACH AND MOORE A640 COMMUNICATION BECHTEL CIVIL, INC. A710 ESCALATORS MONTGOMERY ELEVATOR CD. A732 WHEEL TRUING MACHINE SIMMONS MACHINE TOOL CO. A740 VENTILATION EQUIPMENT FLAKT, INC.	DESCRIPTION GO A61D/115 TRACKHORK INSTALL/YARD STORAGE CAL ENGIN CONTRACTOR 18.00% A612/CONTACT RAIL L.B. FOSTER 10.00% A615 PROTECTIVE COVERBOARD THE BUDD COMPANY 3.00% A616 RAIL FASTENERS LORD 10.00% A620 AUTO TRAIN CONTROL GEN RAILWAY SIGNAL 15.00% A630 TRACTION POWER EQUIP ENPROTECH, INC. 20.00% A631 TRACTION POWER SUBSTATION EQUIPMENT INSTALLATION FISCHBACH AND MOORE 18.00% A640 COMMUNICATION BECHTEL CIVIL, INC. 12.00% A710 ESCALATORS MONTGOMERY ELEVATOR CD. 4.00% A732 WHEEL TRUING MACHINE SIMMONS MACHINE TOOL CO. 0.00% A740 VENTILATION EQUIPMENT FLAKT, INC. 9.00% A745 A1R HANDLING EQUIPMENT	A610/115 TRACKWORK INSTALL/YARD STORAGE CAL ENGIN CONTRACTOR 18.00% 4.00% A612/CONTACT RAIL L.B. FOSTER 10.00% A615 PROTECTIVE COVERBOARD THE BUDD COMPANY 3.00% A616 RAIL FASTENERS LORD 10.00% A620 AUTO TRAIN CONTROL GEN RAILWAY SIGNAL 15.00% A630 TRACTION POWER EQUIP ENPROTECH, INC. 20.00% A631 TRACTION POWER SUBSTATION EQUIPMENT INSTALLATION FISCHBACH AND MOORE 18.00% A640 COMMUNICATION BECHTEL CIVIL, INC. 12.00% A710 ESCALATORS MONTGOMERY ELEVATOR CD. 4.00% A732 WHEEL TRUING MACHINE SIMMONS MACHINE TOOL CO. 0.00% A740 VENTILATION EQUIPMENT FLAKT, INC. 9.00% A745 A1R HANDLING EQUIPMENT	DESCRIPTION GOAL GOBL A610/115 TRACKWORK INSTALL/YARD STORAGE CAL ENGIN CONTRACTOR 18.00% 4.00% 23.81% A612/CONTACT RAIL L.B. FOSTER 10.00% 10.90% A615 PROTECTIVE COVERBOARD THE BUDD COMPANY 3.00% 5.00% A616 RAIL FASTENERS LORD 10.00% 10.90% A620 AUTO TRAIN CONTROL GEN RAILWAY SIGNAL 15.00% 10.00% A630 TRACTION POWER EQUIP ENPROTECH, INC. 20.00% 25.52% A631 TRACTION POWER SUBSTATION EQUIPMENT INSTALLATION FISCHBACH AND MOORE 18.00% 24.47% A640 COMMUNICATION BECHTEL CIVIL, INC. 12.00% 12.23% A710 ESCALATORS MONTGOMERY ELEVATOR CD. 4.00% 4.41% A732 WHEEL TRUING MACHINE SIMMONS MACHINE TOOL CO. 0.00% 0.00% A740 VENTILATION EQUIPMENT FLAKT, INC. 9.00% 9.35% A745 AIR HANDLING EQUIPMENT	DESCRIPTION Goal Goal Goal Goal A610/115 TRACKWORK INSTALL/YARD STORAGE CAL ENGIN CONTRACTOR 18.00% 4.00% 23.81% 21.05% A612/CONTACT RAIL L.B. FOSTER 10.00% 10.90% 8.46% A615 PROTECTIVE COVERBOARD THE BUDD COMPANY 3.00% 5.00% 0.00% A616 RAIL FASTENERS LORD 10.00% 10.90% 14.57% A620 AUTO TRAIN CONTROL GEN RAILWAY SIGNAL 15.00% 10.00% 0.18% A630 TRACTION POMER EQUIP ENPROTECH, INC. 20.00% 25.52% 0.00% A631 TRACTION POMER SUBSTATION EQUIPMENT INSTALLATION FISCHBACH AND MOORE 18.00% 24.47% 0.00% A640 COMMUNICATION BECHTEL CIVIL, INC. 12.00% 12.23% 0.54% A710 ESCALATORS MONTGOMERY ELEVATOR CD. 4.00% 4.41% 1.63% A732 WHEEL TRUING MACHINE SIMMONS MACHINE TOOL CO. 0.00% 9.35% 5.01% A740 VENTILATION EQUIPMENT FLAKT, INC. 9.00% 9.35% 5.01%	DESCRIPTION Goal Goal Goal Variance	DESCRIPTION Goal Goal Goal Variance Remarks A610/115 TRACKMORK INSTALL/YARD STORAGE CAL ENGIN CONTRACTOR 18.00% 4.00% 23.81% 21.05% -2.76% See Comments (1-4) A612/CONTACT RAIL L.B. FOSTER 10.00% 10.90% 8.46% -2.44% See Comments (5-7) A615 PROTECTIVE COVERBOARD THE BUDD COMPANY 3.00% 5.00% 0.00% -5.00% A616 RAIL FASTENERS LORD 10.00% 10.90% 14.57% 3.67% See Comment (8) A620 AUTO TRAIN CONTROL GEN RAILLWAY SIGNAL 15.00% 10.00% 0.18% -9.82% See Comments (9-10) A630 TRACTION POWER EQUIP ENPROTECH, INC. 20.00% 25.52% 0.00% -25.52% A631 TRACTION POWER SUBSTATION EQUIPMENT INSTALLATION FISCHBACH AND MOORE 18.00% 24.47% 0.00% -24.47% See Comment (11) A640 COMMUNICATION BECHTEL CIVIL, INC. 12.00% 12.23% 0.54% -11.69% See Comments (12-14) A710 ESCALATORS MONTGOMERY ELEVATOR CD. 4.00% 4.41% 1.63% -2.77% See Comments (15-19) A722 WHEEL TRUING MACHINE SIMMONS MACHINE TOOL CO. 0.00% 0.00% 0.00% 0.00% A740 VENTILATION EQUIPMENT FLAKT, INC. 9.00% 9.35% 5.01% -4.34% See Comment (20)

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

UMTA QUARTERLY REVIEW

B. SYSTEM/SYSTEMVIDE DBE GOAL ACHIEVEMENT SCHEDULE

DESCRIPTION	Advertised Goal	Awarded Achieve Goal Goal	d Variance	Remarks
A750 HANDLING, TREATMENT & DISPOSAL OF HAZARDOUS MATERIALS	10.00%			
CHEMICAL WASTE MGNT, INC. CHEM-TECH SYSTEMS CONVERSE ENVIRONMENTAL DAMES & MOORE		17.90% 0.0 100.00% 0.0 20.00% 0.0 20.00% 0.0	0% -100.00% 0% -20.00%	
A795 UPS (1) Robnett Electric		1.22%		

TTT.K.T

UMTA QUARTERLY REVIEW

C. PROFESSIONAL SERVICES DBE GOAL ACHIEVEMENT SCHEDULE

DESCRIPTION	Advertised Goal	Awarded Goal	Achieved Goal	Variance	Remarks	
CONSTRUCTION MGMT PDCD	20.00%	22.14%	17.83%	-4.30X	See Comments	P.30
GENERAL PLANNING SCA	20.00%	20.89%	20.86%	-0.03%	See Comments	P.31
SYSTEMS ENGR. ANALYSIS BOOZ, ALLEN & HAMILTON	20.00%	20.04%	15.93%	-4_11%		
DISTRICT INSURANCE ADM. JKOR	20.00%	41.34%	14.82%	-26.52%	See Comments	P.30
GENERAL CONSULTANT MRTC	20.00%	37.39%	36.71%	-0.68%	See Comments	P.30
ARCHEOLOGIST (6) GREENWOOD & ASSOCIATES	20.00%	100.00%	130.91%	30.91%	See Comments	P.31

III. E

DBE PROJECT STATUS REPORT

Facilities Contracts

A112

- (1) No SSA&P Report submitted for period ending September 30, 1989 or December 29, 1989.
- (2) Data per Summary Subcontract Award & Paid (SSA&P) Report through period ending June 30, 1989. Psomas & Associates was added on October 8, 1987, and decertified for exceeding Small Business Administration size standards on October 29, 1987. This was after the contract award date of September 10, 1987, and is therefore counted as a certified DBE on this contract.
- (3) The prime contractor, Illinois Walsh Construction (IWC), agreed to assist Hollier Engineering and Construction in meeting its financial obligations with payrolls. Hollier has now expended more dollars than IWC budgeted for its work, some of which has been unsatisfactory. IWC has requested permission to substitute Hollier.
- (4) Dominion Corporation was added on March 7, 1988, started work on August 1988, and their certification status expired in October 1988. They have been paid \$149,540 or 82.22% of the contract award value, and 10% retention is being held.

A121

(5) Data per SSA&P Report for period ending June 30, 1988. The SSA&P for the period ending March 31, 1988, which reported Wescove as having been paid \$26,860, was in error. That amount is Wescove's total contract value. The correct total amount paid to Wescove is \$21,757. JJJ Floor Covering was added on January 1, 1988, as part of the contractor's on-going efforts to maximize DBE participation. The contractor's SSA&P Report did not indicate the percentage of work completed to date. This information was requested on July 27, 1988, and has not yet been received. The SSA&P Report for the period ending September 30, 1988, and December 30, 1988, have not been submitted to date. This contract presently is in litigation.

A123

(6) Contract completed and closed out. The Contractor failed to meet the goals but submitted "Good Faith Efforts." The actual work required was less than the original contract award.

<u>A130</u>

- (7) Data per SSA&P Report for period ending December 29, 1989. Ayala Boring & Associates was added on August 25, 1988.
- (8) Dominion Corporation has earned and invoiced \$356,280 or 48.81% of their original estimated contract award value and has actually been paid \$320,650 or 43.92% through December 30, 1989.
- (9) American Caisson has invoiced \$931,980 or 88.09% of their original estimated contract award value and has actually been paid \$838,782 or 79.28% through December 29, 1989.
- (10) Tecumseh has earned and invoiced \$1,525.839 or 56.51% of their original estimated contract award value and has actually been paid \$1,373,304 or 50.86% through December 29, 1989.
- (11) Chacon Steel has earned and invoiced \$265,860 or 73.85% of their original estimated contract award and has actually been paid \$239,274 or 66.47% through December 29, 1989.
- (12) Geofon was added on July 28, 1988. Geofon has earned and invoiced \$141,509 or 93.69% of their original estimated contract award value and has actually been paid \$127,359 or 84.32% through December 29, 1989.
- (13) Fireside Construction notified Tutor-Saliba-Perini that they wished to be released from their contract due to their work schedule. Fireside will not be performing on this contract.
- (14) Golden Bear has earned and invoiced \$29,919 or 1.87% of their original estimated contract award value and has actually been paid \$26,928 or 1.87% through December 29, 1989. A portion of the work has been rescheduled.
- (15) C&S has earned, invoiced and has been paid to date \$567,131. This is a time and material contract and no commitment value has been reported. Contractor has been requested to provide information regarding utilization of C&S rather than LVJ Trucking.

(16) Paramount Metals has earned and invoiced \$22,590 or 9.45% of their original estimated contract commitment value, and has actually been paid \$20,331 or 8.51% through December 29, 1989.

A134

(17) Contract completed and closed out. The Contractor failed to meet the goals but submitted "Good Faith Efforts." The actual work required was less than the original contract award.

<u> A135</u>

- (18) Data per SSA&P Report for period ending December 29, 1989. Anzalone & Associates was added on August 26, 1988. Anzalone & Associates has earned and invoiced \$27,300 or 9.84% and has been paid to date \$24,570 or 8.82%. Contract Change Order #014 deleted W.T. Plant, thereby deleting painting, and modifying contract commitment amount from \$480,000 to \$278,554.
- (19) Data per SSA&P for the period ending December 29, 1989. Geofon, Inc., has earned \$187,244 or 83.84% of their estimated contract award value and has been paid \$168,520 or 74.46%.
- (20) Chacon Steel has earned and invoiced \$714.378 or 59.53% of their original estimated contract award value and has actually been paid \$642,941 or 53.58% through December 29, 1989.
- (21) Hollier Engineering has earned and invoiced \$1,056,279 or 72.15% of their original estimated contract award value, and has actually been paid \$950,652 or 64.94%.
- (22) Tecumseh Construction has earned and invoiced \$4,920,258 or 102.51% of their original estimated contract award value, and has actually been paid \$4,428,232 or 92.25%.
- (23) C&S has earned and invoiced \$979,441 and been paid to date. This is a time and material contract and no commitment value has been reported. Contractor has been requested to provide information regarding utilization of C&S rather than LVJ Trucking.
- (24) Felix Corporation was added in October, 1989. Felix has earned and invoiced \$38,042 or 29.04% of their contract commitment value, and has actually been paid \$34,238 or 26.14% through December 29, 1989.

(25) Golden Bear has earned and invoiced \$24,142 or 0.88% of their original estimated contract commitment value, and has actually been paid \$21,728 or 0.79%.

<u>A141</u>

- (26) Data per SSA&P Report for period ending December 29, 1989. RPS was denied DBE certification status on July 24, 1987, though they were listed at the time of the bid. RPS has earned and invoiced \$1,584,871 or 40.92% of the original contract commitment amount, and has been paid to date.
- (27) LVJ Leasing, Inc., was substituted for Green River Trucking and started work on August 21, 1987. The remaining work to be done is approximately 2% of the original 4% committed to Green River Construction for this item.
- (28) Franklin Reinforcing Steel has completed and been paid for work beyond the original contract award amount.
- (29) Felix Corporation was reported in error to have been paid \$236,354 through March 31, 1989, by the Contractor. The corrected amount paid to date through June 30, 1989, is \$235,842.12. Data per SSA&P Report for period ending December 29, 1989. Felix Corporation has earned, invoiced and has been paid to date \$280,641 or 91.31%.
- (30) Geofon has earned and invoiced \$975,000 or 79.31% of the original contract commitment amount and has been paid \$877,500 or 71.37%
- (31) Data per SSA&P Report for period ending December 29, 1989. Golden Bear has earned and invoiced \$70,000 or 1.46% of the original contract commitment value. Data reported for period ending September 29, 1989 regarding Golden Bear was incorrect; it commingled amounts of two subcontractors.
- (32) Valverde's paid to date amount appears to be less than the amount reported last quarter, because contractor did not deduct 10% retainage from the paid to date value. Valverde has earned \$315,540 or 51.33%, invoiced and paid to date \$283,611 or 89.99% of the original estimated commitment value per SSA&P Report for period ending December 29, 1989.

- (33) Best Western was erroneously reported for period ending September 29, 1989 as having been paid \$64,547 or 92% of the original estimated commitment value. The subcontractor is now reported for period ending December 29, 1989 as having earned \$64,547 or 92%, invoiced \$61,408 or 88%, and has been paid to date \$58,093 or 83%.
- (34) Golden Bear has been subcontracted for additional concrete finishing on a time plus material basis. They have earned and been paid to date \$41,502.13 on the second subcontract.

<u>A144</u>

- (35) Data per SSA&P Report for period ending December 29, 1989. Contract was amended for Felix Corporation and Lee & Ro Consulting. The commitment values are cumulative totals, of FY89 and FY90's contract award.
- (36) Kal Krishnan's subcontract was terminated. Contractor indicated that the subcontract was a one-time study for the bookkeeping system and the additional funding was not approved by the RTD.

A145

- (37) The amount paid to Felix Corporation exceeds the award amount because it performed more work under its Time/Materials contract.
- (38) P.I.E.'s contract has been terminated due to expired contractor's license and labor violations.
- (39) Uribe Corporation was added on March 1988; however, a subcontract was never executed, and they have been paid 100% for work performed and released.

A146

(40) AMPAC was originally awarded 15.9% of the total contract amount and was substituted with Doubleday Construction with approximately 8.0% of the work items remaining. This is a Time/Materials contract.

A161

(41) Contract completed and closed out. Both Esquivel Paving and J-Cal Transport performed additional work beyond the original contract estimate.

A165

- (42) Data per SSA&P report for the period ending December 29, 1989. Sanders Engineering was added on May 25, 1988.
- (43) Contractor is not using and is not contractually obligated to provide revised SSA&P form (9/88), which indicated dollars and percentages earned and invoiced. The dollars and percentages earned and invoiced determined the percentage of work completed. Hence, the percentage of work completed indicated on the old SSA&P Report form (9/84) now being used has been determined by dividing the dollars paid to date by the dollars committed.

A171

- (44) Data per SSA&P Report through period ending September 30, 1989. The committed amount of \$4,741,214 or 18% was the total contract amount listed for AMPAC, which was substituted with Doubleday Construction. Doubleday is to perform 11.3% of that award. The remaining 6.7% for concrete lining is yet to be awarded.
- (45) Carr Trucking has performed work beyond the estimated contract award value.

A172

(46) Contract completed and closed out. The Contractor failed to meet the goals but submitted "Good Faith Efforts". The actual work required was less than the original contract award.

A173

(47) L. Sibley and B.C. Pringle completed the work of Linda Turner Trucking, thereby exceeding their respective contract award amounts. Contract completed and closed out.

<u>A175</u>

- (48) Data per SSA&P Report for the period ending December 29, 1989. Damon Construction was decertified on August 12, 1987, after the award date of June 11, 1987, and NTP date of July 27, 1987, and is therefore counted toward the DBE goal.
- (49) Dixie Construction's contract is on a Time/Materials basis per lineal foot. They are also allowed 20% above the estimate for concrete.
- (50) Citicon, Inc., was substituted for P.I.E. Construction due to the expiration of their contracting license. Citicon was decertified on May 25, 1989, by RTD. Citicon was substituted October 19, 1989. Contractor is committed to using a DBE in its place for the remaining work.
- (51) Data per SSA&P Report through period ending December 29, 1989. Felix Corporation has earned \$172,201.42 or 73.66%, and has been paid \$153,181.28 or 65.53% to date.

Systems/Systemwide Contracts

A610/115

- (1) Data per SSA&P Report for the period ending December 29, 1989. All items for United Engineering Technology (UET) total \$2,421,912.
- (2 & 3)
 Savala Equipment Company and O'Keefe Engineering, Inc. were not listed as part of the prime contractor's original commitment value. They have completed all of their work items.
- (4) T. S. Kent has earned \$111,987 or 104.5% of the original estimated contract award value. The actual payment was \$104,871 or 97.86%, due to retention held per SSA&P period ending December 29, 1989.

<u>A612</u>

(5) Data per SSA&P Report submitted for period ending December 29, 1989. Lashcon, Inc., has earned \$192,909 or 97.63% of the original contract award, has invoiced \$189,625 or 95.96%, and has been paid \$159,300 or 80.62%.

- (6) Hohco, Inc., has requested to be released from their subcontract due to the death of a partner. They are unable to meet the contractual deadline and can no longer qualify for DBE status due to company reorganization.
- (7) Peel's Technical Services is in the process of being substituted for Hohco, Inc., and their DBE certification is pending.

A616

(8) Data per SSA&P Report submitted for the period ending December 29, 1989.

A620

- (9) Data per SSA&P Report submitted for the period ending December 29, 1989. No field work is scheduled until July 1990.
- (10) O'Keefe has requested to be released from contract; Hollier Engineering is possible substitute.

A631

(11) Hollier Engineering has earned and invoiced \$45,625 or 6.92% and has been paid to date \$11,046 or 1.68%.

A640

- (12) Data per SSA&P Report submitted for the period ending December 29, 1989. Robnett Electric has earned \$171,866 or 14.21% of the contract award value and has been paid \$122,025 or 9.75% through December 29, 1989.
 - The contractor erroneously reported Robnett to have earned \$187,785.45 and has been paid \$1,126,751 through March 31, 1989. These figures include the retention which was not actually paid and should not have been included.
- (13) Heritage Unlimited was added on November 14, 1988. This company is furnishing office supplies on an as needed basis; thus, percentage of work completed cannot be determined on this Time/Material subcontract.

(14) Barristers Reporting was added on November 10, 1988. This is an as-needed subcontract. There is no estimated award amount or work complete percentage.

A710

- (15) Data per SSA&P Report for the period ending December 29, 1989.
 PC Systems Design was added by purchase order as a DBE supplier on March 10, 1989.
- (16) Brett Chevrolet has gone out of business.
- (17) Heritage Unlimited's commitment amount has been increased by \$519 to \$1,719 and paid to date 100%.
- (18) G&C Equipment's commitment amount has been increased by \$79,090 to \$122,590. They earned, invoiced, and have been paid to date \$62,912 or 51.32%.
- (19) A&B Warehouse's commitment amount has been increased by \$187,120 to \$276,620. They earned, invoiced, and have been paid to date \$93,802 or 33.91%.

A740

(20) Data per SSA&P Report submitted for the period ending December 29, 1989. Kal Krishnan has earned and invoiced \$52,153 or 75.28% of the original contract commitment value.

A745

- (21) Data Per SSA&P Report submitted for period ending September 30, 1989.
- (22) Aerovent has earned and invoiced \$180,661 or 142% of the original contract commitment value and been paid to date \$136,137 or 107.06%.
- (23) CT Trucking has not obtained the required transportation permits, thus may not be utilized.

Professional Services Contracts

Construction Management

Hayakawa Associates - Defaulted on its contract and was terminated December 16, 1988. Hayakawa has \$19,063 of work in dispute that has been performed but has not been paid. Kal Krishnan (\$98,000), Transmetrics, Inc. (\$55,350), and D'Leon Consulting (\$99,075) were added in December 1988 to replace the DBE dollars lost due to termination of Hayakawa's (\$120,000) contract and to maximize DBE participation under the joint venture.

Vanir Construction Management - Decertified June 30, 1987, for exceeding the Small Business Administration size standards. The dollars they were paid are shown through the Third Annual Work Plan and are included in the Fifth Annual Work Plan cumulative totals.

Ochoa and Sillas - During the Fourth Annual Work Plan the District requested all requirements for legal services be processed through the District. The District would decide if outside legal assistance would be required or if the issue would be resolved in house.

Mary and Son Maintenance Company - Was added to the joint venture in an effort to resolve a sanitation problem at several project sites. They were selected by means of competitive bid.

Gray Photography and Coleman Security - Were added to the joint venture in an effort to increase DBE participation.

PDCD's goal of 20% DBE participation in the joint venture continues to be exceeded.

District Insurance Administrators

Data is based upon the Fourth Annual Work Plan (July 1, 1989 - June 1, 1990). The Transit Bond Guarantee Program is administered by Rideau & Associates. The total contract award figure excludes amounts paid as insurance premiums.

General Consultant

There are 96 DBE firms under contract to the joint venture as of December 29, 1989. Individual DBE commitments vary; however, the overall goal remains 20%. Data reflects amounts invoiced through October 31, 1989.

UMTA QUARTERLY REVIEW

General Planning Consultant

Cumulative-to-date DBE participation is 22.3% which exceeds the 21% goal.

Archeologist

Contract was amended in July 1989 for \$70,000.

III.E.31

- SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

UMTA ACTION ITEM

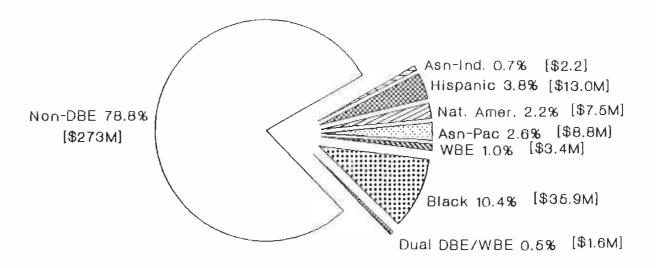
At the last quarterly meeting, UMTA requested that the District provide a DBE report that identifies the advertised goal, the awarded goal and achievement, expressed as percentages, and to explain when the percentages differ.

The requested report is found on pages III.E.16 through 20. The "Remarks" column references detailed explanations provided in the body of the DBE Project Status Report.

UMTA QUARTERLY REVIEW

DBE Participation on Facilities Contracts [Contract Award Value: \$346M]

[II.E.33

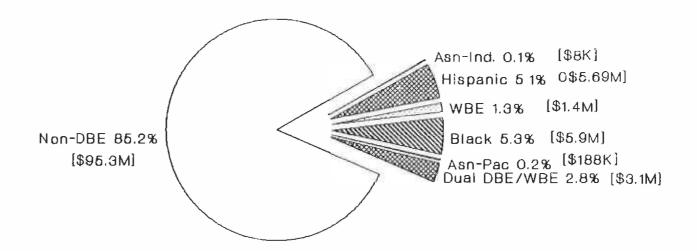


As of December 31, 1989

UMTA QUARTERLY REVIEW

DBE Participation on System/Systemwide Contracts [Contract Award Value: \$111M]





As of December 31, 1989

DBE Participation on Professional Services [Paid to Date Value: \$164M]

Non-DBE 69.9%
[\$114M]

Asn-Ind. 0.1% [\$179K]
Hispanic 3.7% [\$6.0M]

WBE 4.2% [\$6.8M]

Black 14.5% [\$23.8M]

Asn-Pac 6.6% [\$10.7M]
Dual DBE/WBE 1.0% [\$1.5M]

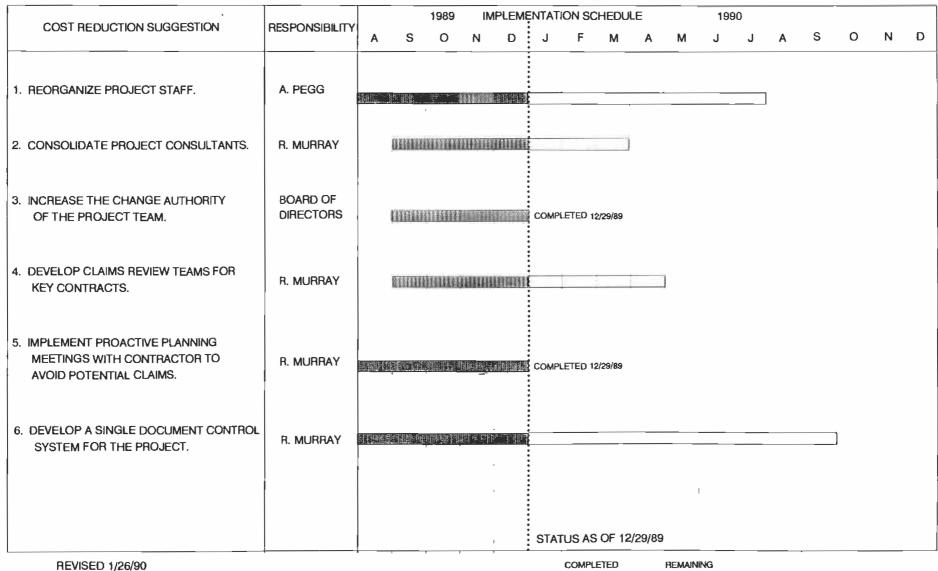
As of December 31, 1989

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	METRO RAIL PROJECT	UMTA QUARTERLY REVIEW
	III. F. COST REDUCTION	I STRATEGIES
ļ		
	SOUTHERN C	CALIFORNIA RAPID TRANSIT DISTRICT

MOS-1 PLAN FOR IMPLEMENTATION OF COST REDUCTION STRATEGIES

(ADMINISTRATIVE SUGGESTIONS)



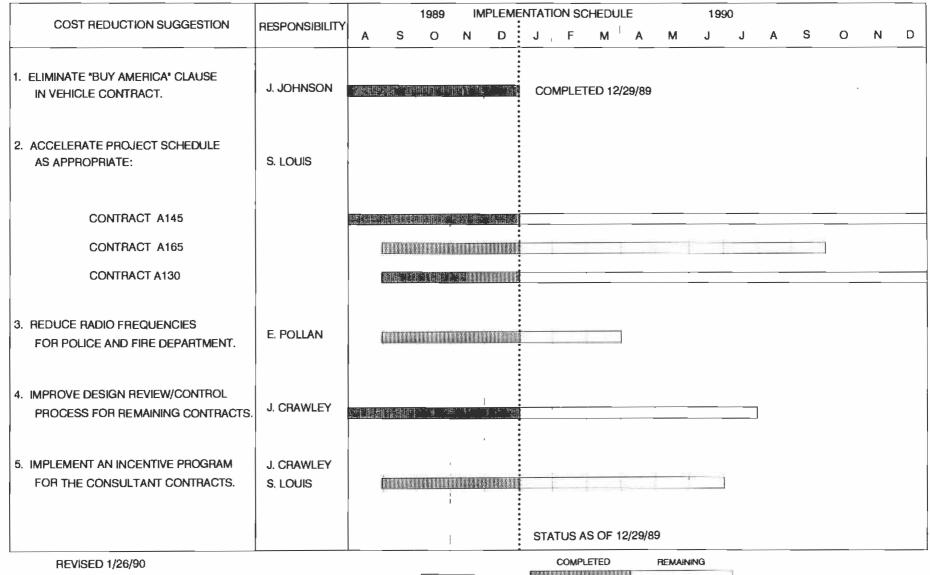
LEGEND:



III.F.2

MOS-1 PLAN FOR IMPLEMENTATION OF COST REDUCTION STRATEGIES

(TECHNICAL SUGGESTIONS)



LEGEND:



METRO RAIL PROJECT	UMTA QUARTERLY REVIEW
III. G. LIQUIDATED DAMAG	ES
•	

- SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

III.G. CONTRACTS WITH ASSESSED LIQUIDATED DAMAGES

12/29/89

CON-	TRACT DATE BER ASSESS				UNT SSED
A121	04/22/	88 \$1,500	63	\$ 94	,500
A165	07/06/	89 \$2,900	85	\$246	,500
A171	07/25/	89 \$6,000	67	\$402	,000
A612	08/24/	89 \$ 800	28	\$ 22	,400
A615	08/25/	89 \$ 300	То	be determined*	

^{*} Contractor delivered required equipment on 12/12/89. No progress payment has been issued since the contractor has not yet submitted an invoice.

METRO RAIL PROJECT	UMTA QUARTERLY REVIEW
III. H. REVIEW OF OPEN	ACTION ITEMS
SOUTHERN C	CALIFORNIA RAPID TRANSIT DISTRICT

III.H. REVIEW OF OPEN ACTION ITEMS

12/29/89

		ACTION	RESPONSIBILITY	COMMENTS
	-	Respond to SCRTD request for budget revision.	UMTA	Completed.
III.	Ор	en Actions from Previous Meetings		
H. 1	-	Explain how cost overruns are monitored and reported.	UMTA	This action is included for discussion.
	-	Provide UMTA with a copy of the completed organization and staffing report. Revise Project Management Plan (PMP) if required.	SCRTD	A draft revision of the PMP will be distributed for internal comments in February 1990.
	•	Provide a DBE report that identifies the advertised goal, the awarded goal, and achievement as percentages and explains when the percents differ.	SCRTD	Completed. See Section III.E.
	-	Provide a method in the change approval process that confirms that changes are eligible for federal participation.	SCRTD	Pending. Will be evaluated for inclusion in the Configuration Control Board procedures.

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

METRO RAIL PROJECT

UMTA QUARTERLY REVIEW

_	ACTION	RESPONSIBILITY	COMMENTS	
-	Respond to the SCRTD request to extend the ROD.	UMTA/PMOC	Pending.	
-	Respond to the MOS-1 budget amendment for the CORE Study.	UMTA	Pending.	

METRO RAIL PROJECT UMTA QUARTERLY REVIEW

III. I. PMOC MONTHLY REPORT COMMENTS

- SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

III. I. PROJECT MANAGEMENT OVERSIGHT CONSULTANT (PMOC) ISSUES

12/29/89

Three PMOC reports were received during the last quarter (September, October, November). Ten issues were identified for District attention; the status of these issues is listed on the following pages.

III.I.1

_ SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

TEM 	OPEN ISSUES	DISTRICT RESPONSE
5.32	CONSTRUCTIBILITY REVIEWS	
	Develop standards for constructibility reviews.	Standards for constructibility review have been established. Reviews are very complete. PDCD does constructibility reviews early in the design process so that later reviews appear less detailed. SCRTD considers this issue to be closed.
5.33	STAGE II CONTRACTS	
	No requirement for manpower loading In contractor's schedules.	SCRTD has made revisions to Section 01310 schedules to a unadvertised contracts which Incorporate manpower and cash curves.
5.34	WARRANTY PROGRAM	
	No central tracking system is In place to identify warranty plans for upcoming release of A112 equipment and facilities.	SCRTD is continuing development of a warranty tracking system. All project engineers have been instructed to provide information on warranty items and to begin tracking such items manually. Automated warranty tracking is planned to begin July 1990.
5.35	PROJECT FORECAST SCHEDULE	
	SCRTD does not maintain a forecast comparison to the Project Plan.	This recommendation has been implemented. The Monthly Critical Activity Status is presented at each Contract Action Plan Meeting. SCRTD considers this issue to be closed.

ITEM	OPEN ISSUES	DISTRICT RESPONSE
5.36	SAFETY LOCKOUT PROCEDURE	
	SCRTD has no uniform lockout procedure.	Cal OSHA regulations require contractor responsibility for lockout procedures. Additional language has been inserted into Stage II contract specifications calling for District approval of required contractor-furnished lockout procedures.
5.37	MONTHLY CONTRACT PLANNING	
	Joint planning is not being emphasized.	Proactive planning meetings with contractors are implemented on as "as needed" basis. This action is one of the cost reduction strategies being tracked by RTD management. (See Section III.G).
5.39	ERRORS & OMISSIONS PROCEDURE	
	Train designated personnel to identify and pursue errors and omissions.	OCPM has submitted draft Errors and Omissions Procedure for comments and is awaiting these comments to incorpora into a final document.
5.44	RESOLUTION OF DCRs	
	DCR turnaround time exceeds the 72-hour limit stated in the contract specifications. A plan for corrective action should be developed.	Every effort is being made to assure quick turnaround time. The 72-hour turnaround time refers only to those items which cannot be directly resolved at the monthly contract meeting (Specification 01200, Paragraph 3.4.D). Since some contractors elect to present all outstanding DCRs at the monthly status meeting, it is impossible to resolve them all within 72 hours. Every attempt will be made to adhere to the 72-hour turnaround time.

	ITEM	OPEN ISSUES	DISTRICT RESPONSE
	5.45	COORDINATION OF STATISTICS WITH CURRENT SCHEDULE	
		Value of work-in-place data should be updated to relate to the latest revised schedule.	The planned value of work-in-place is being revised to correctly relate to the Revision 7B Schedule.
	5.46	SCHEDULE SPOT REPORT	
		SCRTD should perform the following activities recommended in the Schedule Spot Report:	SCRTD is currently implementing new systems and procedures to provide for more concise and up-to-date
III.		A. Improve interface planning	analyses of a contractor's schedule and performance. These changes will enable the District to more accurately forecast
I.4		B. Initiate Project forecasting	and direct the balance of MOS-1.
		C. Develop awareness training to focus on scheduling	

	METRO RAIL PROJECT	UMTA QUARTERLY REVIEW
	IV. PHASE II STATUS	
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- SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT -

IV. PHASE II STATUS

Phase II General Engineering and Design Summary

12/29/89

October 1989

During this reporting period, Phase II final design effort was initiated by MRTC, the General Design Consultant. Personnel, who were assigned to other projects while the environmental impact process was being finalized, are being reassigned to Phase II.

In order to remain within the financial budget, the hourly budgets for the Phase II tasks were reduced from the amounts negotiated. This was necessitated by the delay in starting the Phase II effort. In the interim, between the original planned start of Phase II and October 1989, MRTC's engineering costing rates have increased approximately ten percent over the rates negotiated in Amendment 13. The hourly budgets have been reduced accordingly. The effect of this reduction is under evaluation at this time.

Kick-off meetings were held for Contracts B201, Wilshire/Alvarado to Wilshire/Vermont Line; B211, Wilshire/Vermont Station; B221, Wilshire/Normandie Station and Line; and B231, Wilshire/Western Station Crossover and Tailtrack. Meetings were held with utility companies and government agencies to discuss scheduling and utility work for the Phase II alignment with emphasis on the Wilshire corridor section.

Task 1.2.1 GENERAL ENGINEERING OF LINE TUNNEL SEGMENTS AND SIX STATIONS

Prepared developer packages for Hollywood stations.

Task 1.2.2. B201, WILSHIRE/ALVARADO TO WILSHIRE/VERMONT LINE

- Studied and developed recommendations for the proposal to narrow the pocket track.
- Commenced development of the HVAC system for the TC&C Room and an Emergency Ventilation scheme using booster fans in the pocket tracks.
- o Finalized the size and location of the electrical room for the booster fans.

Task 1.2.3 B211, WILSHIRE/VERMONT STATION

Studied entrance configurations with the District according to the modified layout.

Task 1.2.4 B231, WILSHIRE/WESTERN STATION CROSSOVER AND TAILTRACK

- Prepared a plan and profile of the station to submit to utility companies.
- Held meetings with utility agency representatives to discuss conceptual issues for utility rearrangements.
- Studied new space requirements for the auxiliary power rooms.

Task 1.2.5 B221, WILSHIRE/NORMANDIE STATION AND LINE

- Prepared to relocate the auxiliary power transformer from the Traction Power Room to the Auxiliary Power Room.
- Prepared a cost estimate for the additional structure needed to relocate the auxiliary power system.

Task 1.2.6 RIGHT-OF-WAY CERTIFICATIONS

- Completed a preliminary certification of MacArthur Park Parcel B2-100.
- o Completed decertification of parcels along the old alignment (Parcels A1-240, A1-241, A1-242, A1-244, A1-245, A1-247, A1-248, A1-249, and A1-254).

Task 1.2.7 SYSTEMS DESIGN

- Reviewed and developed comments on the Preliminary Design Interim Report-Emergency Ventilation Analysis; coordinated the submittal of comments with the in-house design staff; attended three in-house strategy sessions for resolution of comments and completion of the ventilation system design.
- Reviewed and provided comments on twelve value engineering recommendations with potential impact on safety requirements.
- o Provided input on special fire prevention measures required at Wilshire/Vermont Station because of the depth of the lower platform.
- Assisted with a presentation related to the proposed curved platform at Wilshire/Vermont Station.

Phase II General Engineering and Design Summary

November 1989

Design work continued on Contracts B201, B211, B221, and B231. Progress on the work for Contract B211 was basically limited to architectural structure sizing to finalize station structure features and limits.

The systems design effort has been concentrated on coordination of equipment interface requirements and Fire/Life Safety (FLS) requirements with the facilities design team.

Task 1.2.1 GENERAL ENGINEERING OF LINE TUNNEL SEGMENTS AND SIX STATIONS

Prepared a response to the LADOT request to modify the alignment of Vermont/Beverly Station by 120'-15' to obviate interferences with freeway ramps and the sanitary sewer.

Task 1.2.2 B201, WILSHIRE/ALVARADO TO WILSHIRE/VERMONT LINE

- Prepared grading plans for the lake bottom and paving.
- Finalized requirements and the location of the electrical room to control booster fans.

- Completed alignment calculations; began preparation of profiles and plan drawings; began plotting profiles and coordinating locations of crosspassages.
- Prepared drawings addressing interface conditions between the west end of A175 and the east end of the B201 pocket track structure.
- Studied the location of the tunnel shaft and its construction site options.

Task 1.2.3 B211, WILSHIRE/VERMONT STATION

- Studied entrance configurations in accordance with the final alignment.
- Studied exit requirements for incorporation into the modified concept and coordinated emergency exit locations with the FLS committee.
- Studied various platform widths and patronage implications. The 15'-3" platform width will be retained.
- o Studied alternatives to shorten the cut and cover structure at each end of the box structure by rearranging fire exits and UPE fan rooms and using vertical fans at the emergency fan room.
- o Studied structural implications by varying the spacing of transverse struts with and without longitudinal beams for exterior walls at the upper track level.
- Studied the layout incorporating a 45' column grid and its effects on the box structure.

Task 1.2.4 B231, WILSHIRE/WESTERN STATION CROSSOVER AND TAILTRACK

- Investigated alternatives for utility clearances above the station and crossover. A reduction in the station slope from 0.5% to 0.3% is likely to alleviate the condition.
- Studied the feasibility of relocating the equipment access hatch to the northerly sidewalk from Wilshire Boulevard.
- Completed alignment calculations.
- Conducted a feasibility study to support the existing DWP 34.5kv electrical system in place.
- Continued reviewing finish materials for design intent, fabrication options, and current availability.
- o Revised drawings to reflect the addition of columns in the crossover structure and traction power substation.
- Studied alternate crossover iayouts to ascertain the feasibility of maintaining the existing manhole at Wilshire/Oxford Streets.

Task 1.2.5 B221, WILSHIRE/NORMANDIE STATION AND LINE

 Revised TPSS and DWP room sizes per modified requirements. Coordinated street hatch impacts with the City of Los Angeles.

- o Resolved alignment at Wilshire/Vermont Station and developed an alignment to continue west towards Wilshire/Normandie Station.
- Coordinated the redesign of station ancillary rooms, revising the east fan room and providing for an electrical room.
- Reviewed existing entrance site conditions and prepared a site design to conform with right-of-way constraints.

Task 1.2.6 RIGHT-OF-WAY CERTIFICATIONS

- Submitted a preliminary right-of-way certification for CCU B211 Parcel B2-117.
- o Issued a work order for survey of the Wilshire/Western Station area.

Task 1.2.7 SYSTEMS DESIGN

- o Reviewed proposed responses to comments received on the Preliminary Design Draft Report for Emergency Ventilation and submitted comments thereon.
- o Participated in two days of meetings on Phase II emergency ventilation system design and the Preliminary Design Draft Report for Emergency Ventilation.
- Began new emergency exiting analysis/calculations for the revised Wilshire/Vermont Station stair configuration.

Phase II General Engineering and Design Summary

December 1989

Design continued on Contract Packages B201, B211, B221, and B231. Although progress on B211 and B221 was behind our original plan, reassignment of staff in the next period should bring the work back on schedule.

A proposal to accelerate B211 and B221 was submitted to the District for consideration.

On December 15, 1989, MRTC received a letter of termination from SCRTD for all work under Amendment No. 13 of the contract. This notification was immediately followed by an executed agreement between LACTC and MRTC to continue the Phase II design work without interruption.

Task 1.2.1 GENERAL ENGINEERING OF LINE TUNNEL SEGMENTS AND SIX STATIONS

 Completed studies and prepared a report to shift the Vermont/Beverly Station south to mitigate interferences with the Oakwood on-ramp and sanitary sewer.

Task 1.2.2 B201, WILSHIRE/ALVARADO TO WILSHIRE/VERMONT LINE

 Redesigned the base slab and the roof slab over the turnout segment to ensure uniform slab thicknesses, in lieu of longitudinal beams.

- o Prepared and submitted a copy of Interface drawings between the west end of Wilshire/Alvarado Station and the east end of this contract to the station resident engineer for his review and comments.
- o Met with LADOT to review requirements for a Worksite Traffic Control Plan. Developed potential construction methods and procedures.
- Established locations of cross-passages after reviewing several options. Developed section details for the crosspassages.
- Commenced the study of layout and construction sequencing for the Emergency exit structure.
- Developed fire protection and drainage concept and details.

Task 1.2.3 B211, WILSHIRE/VERMONT STATION

- Updated 1"-40' scale plans to show stationing of AL, AR and BL, BR track alignments on the same drawings for coordination.
- O Analyzed several entrance configuration options with the FLS committee for fire separation at express escalator locations to the lower platform.
- Submitted a complete station conceptual design to the District for review.
- Adjusted ancillary areas at both ends of the platform to reduce the total length of the cut and cover structure.
- Studied structural implications of framing options for station entrance and backfill requirements for negative buoyancy considerations.

Task 1.2.4 B231, WILSHIRE/WESTERN STATION CROSSOVER AND TAILTRACK

- Prepared new drawings locating the existing utilities from "as-built" drawings provided by the utility agencies.
- Prepared and transmitted potholing plans for field verification of electrical utilities to DWPPS, per direction from the District.
- Met with DWPPS and the District to study options of relocating or supporting the existing 34.5 kv electrical distribution system in place at the intersection of Wilshire Boulevard and Western Avenue.
- Coordinated critical room dimensions and clearances within facilities and systems divisions.

Task 1.2.5 B221, WILSHIRE/NORMANDIE STATION AND LINE

- Prepared and transmitted a potholing plan for field verification of Electrical utilities to DWPPS, per direction from the District.
- o Met with DWPPS and the District to discuss design relocation issues at the Intersection of Wilshire Boulevard and Normandie Avenue.

- Coordinated revised ancillary area room layouts among the disciplines.
- o Combined the auxiliary power substation and auxiliary power room at the east end and added a new auxiliary power room at the west end to accommodate the new layout of the Train Control and Communications room.

Task 1,2.6 RIGHT-OF-WAY CERTIFICATIONS

- o Completed right-of-way calculations and began developing drawings for sub-surface easements required for B221.
- Computed right-of-way requirements for the tunnel segment from MacArthur Park to Wilshire/Vermont Station. Developed preliminary certification for three parcels that will be required.
- o Met with the District's Real Estate staff to review options for acquisition of Parcel B2-117, Bank of America Lot. Determined that only a portion of the lot needs to be acquired with the new entrance solution.

Task 1.2.7 SYSTEMS DESIGN

- o Participated in two working sessions with FLS/SCS/MRTC personnel on protected level separation requirements for Wilshire/Vermont Station.
- O Coordinated development of emergency exiting calculations for the current Wilshire/Vermont Station configuration.
- o Provided code and criteria excerpts to the MRTC Project Manager for Contract B201, Indicating the basis for the requirement of exits to the surface at 1250 ft. maximum intervals.

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V. SCHEDULE AND LOCATION OF NEXT MEETING

——— SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT —

METRO RAIL PROJECT

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VI. GENERAL DISCUSSIO	N/WRAP UP	
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