2550 RAIL VEHICLE PROGRAM

QUARTERLY PROJECT STATUS REPORT

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U. S. DEPARTMENT OF TRANSPORTATION, FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND FUNDS FROM THE STATE OF CALIFORNIA.

DECEMBER 2003

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PROJECT OVERVIEW

The base contract for the first fifty LRV cars is with Ansaldobreda, S.p.A. of Naples, Italy. This contractor is one of several leading manufacturer of both heavy and light rail vehicles. Ansaldobreda plans to dedicate one entire assembly line to the production of the 2550 light rail vehicles for the MTA. In the past, Ansaldobreda satisfactorily designed, manufactured, and delivered one hundred-four A650 heavy rail vehicles that are presently in use on the MTA's Metro Red Line.

The 2550 contract also includes two 50-LRV pre-priced options for future growth, expansions, and new lines. These options will require future Board approval in order to become a binding contract requirement.

MANAGEMENT ISSUES

Concern No. 1: The compatibility of the carborne ATP and TWC with the wayside equipment of MTA's on the three operating light rail lines is a requirement of the Contract. Very early, pre-schematic, review of the Ansaldobreda subcontractor's approach is considered essential although not specifically scheduled within the Contract.

Status/Action The MTA's Integrated Project Team (IPT) met with the Contractor, Ansaldobreda and the subcontractor, United Switch and Signal, at Ansaldobreda offices in New York during the week of December 15-17, 2003. Detailed discussions were held among the technical staff with a concluding agreement to have the MTA and the Contractor/subcontractor capture actual system data in Los Angeles on the three operating lines during the week of January 12-16, 2004.

Concern No. 2: Ansaldobreda and its subcontractor have not yet executed the tire/wheel and axle subcontract.

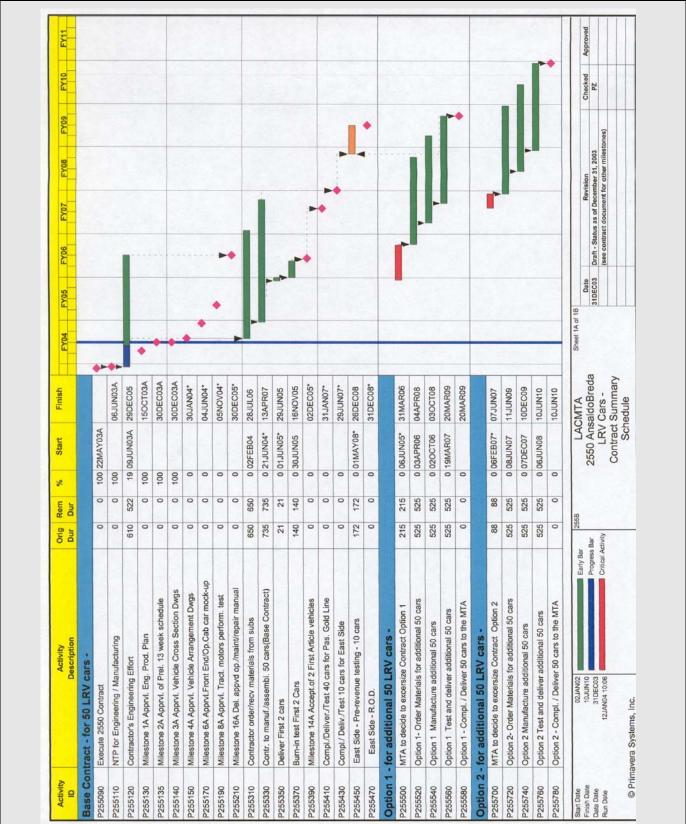
Status/Action The MTA IPT is gathering data from other agencies that have used this subcontractor that will be provided to Ansaldobreda for use in its final negotiations with the subcontractor.

Concern No. 3: Continuous design reviews by the IPT of the Project indicate that Ansaldobreda is current with the required design elements. However, the quality and completeness of the CDRLs and contract document submittals has been somewhat inconsistent, necessitating time spent on IPT comments and Ansaldobreda re-submittals.

<u>Status/Action</u> Detailed discussions with Ansaldobreda have been conducted regarding the completeness of the CDRL and contract document submittals. Ansaldobreda pledged to expedite the document preparation and improve the quality of the contract submittals. To emphasize the importance, the MTA has previously withheld the payment of affected contract milestones pending receipt of improved submittals.

KEY MILESTONE SCHEDULE SIX-MONTH LOOKAHEAD

	Milestone Date	Dec-03	Jan-04	Eeb-04	Mar-04	Apr-04	May-04
4A-Approval of Contractor General Vehicle	1/2/04	<u>Dec-03</u>		1 60-04		<u></u>	1viay-04
Arrangement 5A-Approval of Contractors Dwgs at 1.13.1 of Tech Specs	5/7/04						0
					A Approva		
 MTA Staff Milestone Ansaldol Other Agencies * New Data 	oreda, S.p.A De te	eliverables			A Approva A Board Ar		



SUMMARY SCHEDULE

50-CAR BUY DELIVERY SCHEDULE

METRO PASADENA GOLD LINE

FISCAL YEAR	VEHICLE NUMBERS	MONTHS AFTER JUNE 6, 2003 NTP	DELIVERY DATE
05	1&2	24 MONTHS	6/05
06	3 & 4	25 MONTHS	7/05
	5&6	26 MONTHS	8/05
	7&8	27 MONTHS	9/05
	9 &10	28 MONTHS	10/05
	11 &12	29 MONTHS	11/05
	13 &14	30 MONTHS	12/05
	15 &16	31 MONTHS	1/06
	17 &18	32 MONTHS	2/06
	19 & 20	33 MONTHS	3/06
	21 & 22	34 MONTHS	4/06
	23 & 24	35 MONTHS	5/06
	25 & 26	36 MONTHS	6/06
07	27 & 28	37 MONTHS	7/06
	29 & 30	38 MONTHS	8/06
	31 & 32	39 MONTHS	9/06
	33 & 34	40 MONTHS	10/06
	35 & 36	41 MONTHS	11/06
	37 & 38	42 MONTHS	12/06
	39 & 40	43 MONTHS	1/07

METRO GOLD LINE EASTSIDE EXTENSION

FISCAL YEAR	VEHICLE NUMBERS	MONTHS AFTER JUNE 6, 2003 NTP	DELIVERY DATE
07	41 & 42	44 MONTHS	2/07
	43 & 44	45 MONTHS	3/07
	45 & 46	46 MONTHS	4/07
	47 & 48	47 MONTHS	5/07
	49 & 50	48 MONTHS	6/07

SCHEDULE NARRATIVE

Notice to proceed was given June 6, 2003. The base contract engineering effort will take approximately two years and the delivery of the first two cars is scheduled for June 2005. The 50 cars base contract delivery will be divided between the Metro Pasadena Gold Line (40 cars) the Metro Gold Line Eastside Extension (10 cars). The last (fiftieth) base contract LRV is scheduled for delivery in 48-months after NTP, or at approximately June 2007.

The delivery rate planned by the contractor is two LRVs per month. The require delivery dates in the contract have liquidated damages assessments that can be imposed for late deliveries.

The 2550 contract contains two options, which, if exercised, would extend the contract another two years each or sooner. The options will only be awarded subject to adequate funding and MTA Board approval.

Option No. 1 for 50 LRVs may be exercised at 24 months after NTP, but no later than 34 months after the Base Order Notice to Proceed or approximately March 2006. Option No. 2 for 50 LRVs may be exercised at 42 months after NTP, but no later than 48 months after the Base Order Notice to Proceed or approximately June 2007.

As of December 2003, the Contractor completed milestones 1A, 2A and 3A. Physical completion as of December 2003 is 19%.

PROJECT COST STATUS

ELEMENT	LRV PROJECT BUDGET FOR 800151 (PASADENA)	LRV PROJECT BUDGET FOR 800088 (EASTSIDE)	TOTAL LRV PROJECT BUDGET	COMMENTS
Base Buy 50 LRVs	\$119,734,00	\$29,933,500	\$149,667,500	40 LRVs for the Pasadena Gold Line and 10 LRVs for the Eastside Line
Base Buy Spare Parts	\$5,849,886	\$1,462,471	\$7,312,357	
Base Buy Special Tools & Test Equip	\$1,407,051	\$351,763	\$1,758,814	
Subtotals	\$126,990,937	\$31,747,734	\$158,738,671	
Contingency	\$12,699,094	\$3,174,773	\$15,873,867	
Subtotals	\$139,690,031	\$34,922,507	\$174,612,538	
	· · · · · ·			
Rail Consultant	\$6,870,830	\$1,717,707	\$8,588,537	Contract PS 8310-1267 for Rail Consultant staff technical services
Contingency	\$343,542	\$85,885	\$429,427	
Subtotals	\$7,214,372	\$1,803,592	\$9,017,964	
MTA Staff	\$6,014,602	\$1,577,798	\$7,592,400	MTA staff on the Integrated Project Team
TOTALS	\$152,919,004	\$38,303,898	\$191,222,902	

12/30/03

December :	2003
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Payment Date	Mos After June 6 2003 (FY04) NTP	Table A contract Milestone Payments [30% PGL]	Table A Contract Milestone Payments [20% ESGL]	Table B Individual Vehicle Milestone Payments [40 LRVis PGL]	Table B individual Vehicle Milestone Payments [10 LRVs ESGL]	Per Table C Spare Parts Delivery Milestone Payments 1805 PGL	Per Table C Spare Parts Delivery Milestone Payments [20% ESGL]	PASADENA TOTAL Milestone Payments	PASADENA FISCAL YEAR SUBTOTALS	EASTSIDE TOTAL Milestone Payments	EASTSIDE FISCAL YEAR SUBTOTALS	TOTALS	FY
Jul-03 Aug-03	1 2	80	\$0 \$0	88	05	88	88	88	So	88	\$0	\$0	FY03
Sep-03	en 1	SO	20	05	8	8		8		8			
Nov-03	4 10	08	02	05	3 3	3 3	3 3	2 3		8 8			
Dec-03	9	\$21,015,667	\$5,253,918	\$0	8	05		\$21,015,667		\$5,253,918			Ć
Jan-04	- 00	8 9	05	8 9	8 9	95 95 95		99 05		SC SC			
Mar-04	0 01	80	So	20	8	8		80		So			
Apr-04	10	\$6,836,526	\$1,659,132	so	80	20		\$6,636,526		\$1,659,132			
May-04	= :	8	8.9	05 5	5 5	89		2 3	\$57 885 403	26.2	SE 013 060	STA SAS 249 FVDA	FVD4
Jul-04	1 12	\$5,500,439	\$1,382,610	SO	3 3	8		\$5,530.438	And I wanted to wate	\$1,382,610			
Aug-04	4	\$3,318,268	\$829,566	88,487	22,122	SO		\$3,406,750		\$851,888			
Sep-04	15	80	So	88,487	22,122	\$0		\$68,487		\$22,122			
Oct-04	16	\$3,318,263	\$829,586	88,487	22,122	20		\$3,406,750		\$851,688			
Nov-04	11	502,815,58	9829,996	08,46/	22.122	20		53,400,(5U		000,1006	i.		
Jan-05	2 Q	8 3	05	309,705	77,426	3 8		\$309,705		\$77,426			
Feb-05	20	\$6,636,526	\$1,659,132	309,705	77,426	80		\$6,946,231		\$1,736,558			
Mar-05	2	80	SO SO	243,340	60,835	05	8	\$243,340		560,835			
Mav-05	3 2	US US	SO	563 043	138.261	2 25	8 9	\$553.043		\$138.261			
Jun-05	24	05	05	774,262	193,565	80	S0	\$774,262	\$28,214,280	\$193,565	\$6,553,572	\$32,767,852 FY05	FY05
Jul-05	81	05	8	508,803	127,201	05	05	\$508,803		\$127,201			
Son-05	8 5	545 812 23 545 818 23	0% 909 0CH2	052,750	30.183	54,828,528,908	111'INST	0C/'C77'+C		\$1,000,448 \$962 746			
Oct-05	28	0S SO	20	1,106,066	276,522	3	8 8	\$1,106,086		\$276,522			
Nov-05	29	\$11,060,876	\$2,765,220	973,356	243,338	80	8	\$12,034,232		\$3,008,559			
Dec-05	8 1	\$1,106,088	\$276,522	1.526,401	381,600	8 8	05 03	\$2,632,489		\$658,122			6
Jan-U6 Feb-06	5 2	08	8 8	1.570.645	392.661	* 5	08	\$1,570,845		\$382.661			
Mar-06	12	205	8	2,234,297	558,574	8	8	\$2,234,297		\$558,574			
Apr-06	34	\$0	80	2,300,662	575,165	80		\$2,300,682		\$575,165			
May-06	35	80	88	2,212,174	553,043 507 787	\$3,628,469	\$907,117 \$50	\$5,840,642 C2 330 140	CT0 620 673	\$1,460,161 \$5507.087	SO 883 144	549 415 717 FV06	EVUB
Jul-06	25	05	3 3	2.477.636	619,409	80	8 8	\$2,477,636		\$619,409	111 1000100		
Aug-06	38	\$0	8	2,477,636	619,409	\$0	\$0	\$2,477,636		\$619,408			
Sep-06	55	\$0	80	1,924,594	481,148	80		\$1,924,594		\$481,148			
Oct-06	9 :	80	8	2,544,001	636,000	80		\$2,544,001		\$636,000			
Dec-06	4	98 99	8 9	2,190.053	547.513	9	2	\$2,190,053		\$547,513			2
Jan-07	43	\$0	\$0	1,924,564	481,148	\$0		\$1,924,594		\$481,148			-
Feb-07	4	\$0	95	2,057,325	514,331	80		\$2,057,325		\$514,331			
Mar-07	4 :	80	02 5	1,725,497	431,374	R		184,027,18		4/0,1040			
Apr-07	4	0%	3 5	847.005 F	308 102	ne S		00/1280/15		5206 192			
10-unr	48	so	\$0	1,681,253	420,313	0\$		\$1,681,253	\$24,466,663	\$420,313	\$6,116,666	\$30,583,329	FY07
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FISCAL YEAR CASH FLOW

	А		B Approved		С	D=A+B+C Obligated		E Poten	F=D+E
Description	Award	Execu	ited Changes	LN	TPs (NTE)	Total Approved		Pending	Total Potential
 	Amount	#	\$	#	\$	Amount	#	\$	Value
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	C
	0	0	0	0	0	0	0	0	C
OTAL	0	0	0	0	0	0	0	0	C
There	are no Cha	nges	this reporti	ng pe	riod.				

FINANCIAL/GRANT STATUS

DECEMBER 2003

STATUS OF FUNDS BY SOURCE

								in \$ millions	
	(A) ORIGINAL	(B) TOTAL	(C) TOTAL	(D) COMMITM	(D/B) ENTS	(E) EXPENDIT	(E/B) URES	(F) BILLED to FUN	(F/B) NDING
SOURCE	BUDGET	FUNDS	FUNDS	\$	%	\$	%	SOURC \$	
				•		•		•	
FEDERAL - STIP	40.0	40.0	0.0	40.0	100%	0.0	0%	0.0	0%
FED-SEC 5309 FIXED GUIDEWAY	38.4	38.4	0.0	38.4	100%	0.0	0%	0.0	0%
FEDERAL - RSTP/CMAQ	7.7	7.7	0.0	7.7	100%	0.0	0%	0.0	0%
STATE STIP	51.3	51.3	0.0	31.4	61%	0.0	0%	0.0	0%
STATE STA	15.5	15.5	0.0	15.5	100%	0.0	0%	0.0	0%
UNBILLED ACRUALS			10.4			10.4			
TOTAL	152.9	152.9	10.4	133.0	87%	10.4	7%	0.0	0%

(1) Based on June 2003 Regional Programming Funding Plan.

Note: Expenditures are cumulative through November 2003.

The 2550 Rail Vehicle Program consists of 40 light rail vehicles and associated costs.

STATUS OF FUNDS ANTICIPATED

STATE STIP: At the August 2003 California Transportation Commission (CTC) Meeting, the CTC did not act on the \$17.5 million funding allocation requested by MTA. This request has been added to the STIP pending allocation list.

Due to the current State financial condition, the funds will most likely be approved after FY05.

FEDERAL SECTION 5309: MTA submitted a grant application of \$10,750,000 to the FTA in May 2003. MTA is expecting environmental clearance in January 2004 prior to formal submittal of the grant.

APPENDIX

COST AND BUDGET TERMINOLOGY

COMMITMENTS: The total of actual contract awards, executed change orders or amendments, approved work orders of Master Cooperative Agreements, offers accepted for purchase of real estate, and other LACMTA actions that will result in specific expenditures at a future time.

INCURRED COST: The total value of work performed to date of services received, and acquired materials or properties.

EXPENDITURES: The total dollar amount of checks written by LACMTA's Accounting department for contractor or consultant invoices, third party invoices, staff salaries, and closing payments for escrow accounts that is reported in LACMTA's Financial Information System (FIS).

CONSTRUCTION: Includes guideways, yards and shops, systems equipment, stations, and vehicles.

PROFESSIONAL SERVICES: Includes general engineering, construction management services, consultant design support services during construction, legal counsel, and agency (MTA staff) costs.

CONTINGENCY: A fund established at the beginning of a project to provide for anticipated but unknown additional costs that may arise during the course of the project.

SPECIAL CONDITIONS: Includes utilities relocation, environmental compliance and mitigation, master cooperative agreements, insurance program, artwork, systems integration testing and pre-revenue operations.

APPENDIX

LIST OF ACRONYMS

- CMAC Congestion Mitigation Air Quality
- CN Change Notice
- CO Change Order
- CTC California Transportation Commission
- ESGL Eastside Gold Line
- FTA Federal Transit Administration
- FY Fiscal Year
- LNTP Limited Notice To Proceed
- LRV Light Rail Vehicle
- MTA Metropolitan Transportation Authority
- N/A Not Applicable
- NTE Not to Exceed
- NTP Notice To Proceed
- PGL Pasadena Gold Line
- QPSR Quarterly Project Status Report
- SSPP System Safety Program Plan
- STIP State Transportation Improvement Program
- TBD To Be Determined