



Metro

Metropolitan Transportation Authority

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**OPERATIONS COMMITTEE
OCTOBER 16, 2008**

SUBJECT: UNION SWITCH & SIGNAL RAIL PARTS

ACTION: AWARD A CONTRACT FOR P2550 RAIL PARTS

RECOMMENDATION

Authorize the Chief Executive Officer to award a firm fixed price contract under Bid No. 09-0003 with Union Switch & Signal, Inc., the single bidder for Automatic Train Protection (ATP) and Train to Wayside Communication (TWC) spare parts for the P2550 Rail Car Fleet, for an amount not to exceed \$522,476.

RATIONALE

This procurement is for contractual spare parts for the ATP/TWC system on the P2550 AnsaldoBreda Light Rail vehicle. The ATP/TWC package serves as the electronic safety/protection system that is on every light rail car. The ATP provides speed enforcement and system safety for the Braking Propulsion Door Control and Vehicle Direction Control. The ATP also stops trains from running into each other from behind or head on, by electronically reducing the speed or stopping a train if it is within a certain distance from another train. It will also not allow the doors to open at the platform if the trains are not at their proper markers on the track of the platform. The TWC provides safe train separation and has the ability to control the performance levels of the train through the tracks, and also allows control from the Rail Operation Control facility.

This procurement will ensure that the required parts for the ATP/TWC package are available when necessary. The ATP/TWC components will be maintained in inventory and managed by Material Management.

FINANCIAL IMPACT

Funding of \$522,476 for the P2550 ATP/TWC spare parts is included in the FY09 budget in Cost Center 3940 (Rail Fleet Services), CP 800151, Light Rail Vehicle Fleet Enhancement. This action is within the approved life-of-project (LOP) budget of \$152,919,000.

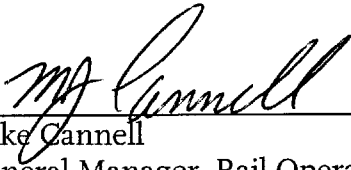
ALTERNATIVES CONSIDERED

The alternative is to not award a contract for the spare parts. This strategy is not recommended because of the possible impact to revenue service on the Metro Gold Line due to a lack of ATP/TWC parts.

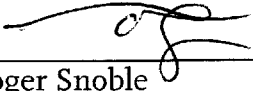
ATTACHMENT(S)

- A Procurement Summary
- A-1 Procurement History
- A-2 List of Subcontractors
- B Bid Tabulation

Prepared by: Sherri Jackson, Procurement Planning Administrator
Richard Lozano, Director Rail Vehicle Acquisition and Maintenance



Mike Cannell
General Manager, Rail Operations



Roger Snoble
Chief Executive Officer

**ATTACHMENT A
PROCUREMENT SUMMARY**

ATP/TWC SPARE PARTS

1.	Contract Number: 09-0003		
2.	Recommended Vendor: Union Switch & Signal, Inc.		
3.	Cost/Price Analysis Information:		
	A. Bid/Proposed Price: \$522,476	Recommended Price: \$522,476	
	B. Details of Significant Variances are in Attachment A-1.D		
4.	Contract Type: Firm Fixed Price		
5.	Procurement Dates:		
	A. Issued: July 28,2008		
	B. Advertised: July 26, 2008		
	C. Pre-bid Conference: N/A		
	D. Bids Due: August 26, 2008		
	E. Pre-Qualification Completed: Yes		
	F. Conflict of Interest Form Submitted to Ethics: Yes		
6.	Small Business Participation:		
	A. Bid/Proposal Goal: 0%	Date Small Business Evaluation Completed: N/A	
	B. Small Business Commitment: N/A		
7.	Invitation for Bid/Request for Proposal Data:		
	Notifications Sent: 2	Bids/Proposals Picked up: 5	Bids/Proposals Received: 1
8.	Evaluation Information:		
	A. <u>Bidders/Proposers Names:</u> Union Switch & Signal, Inc.	<u>Bid/Proposal Amount:</u> \$522,476	<u>Best and Final Offer Amount:</u> NA
	B. Evaluation Methodology: Price Analysis Attachment A-1.D		
9.	Protest Information:		
	A. Protest Period End Date: October 16, 2008		
	B. Protest Receipt Date: TBD		
	C. Disposition of Protest Date: TBD		
10.	Contract Administrator: Sherri Jackson	Telephone Number: 213-922-1025	
11.	Project Manager: Richard Lozano	Telephone Number: 323-224-4058	

ATTACHMENT A-1
PROCUREMENT HISTORY

ATP/TWC SPARE PARTS

A. Background on Contractor

Union Switch & Signal, Inc. (US&S) was founded in 1881 by George Westinghouse, who consolidated the assets of companies that had pioneered closed track circuits and interlockings. Operating as an independent company until 1917, US&S became a subsidiary of Westinghouse Air Brake. In 1968, American Standard purchased the operation and reorganized US&S as a separate division. In 1988, Ansaldo purchased US&S from American Standard. In November 1993, US&S became a publicly traded company. In December 1996, US&S merged with the other signaling investments of Ansaldo located around the world, causing US&S to be a wholly-owned subsidiary of Ansaldo Signal, a global supplier of signaling, control and automation systems with operations worldwide.

Union Switch & Signal, Inc. has developed signaling and control technologies for railroad and transit systems in North America and worldwide by applying automation and information technologies to a future of "smart" trains run by their computerized control systems, providing automated and fully integrated operations control.

B. Procurement Background

Invitation for Bid (IFB) No. 09-0003 was advertised on July 26, 2008 and released on July 28, 2008. The bid deadline was August 26, 2008. In addition to newspaper advertising, five bidders requested and received the IFB solicitation package. Union Switch and Signal, Inc. was the only firm to submit a bid.

The Diversity & Economic Opportunity Department (DEOD) did not recommend a Disadvantaged Business Enterprise Anticipated Level of Participation (DALP) goal for this procurement.

C. Evaluation of Bids

In accordance with our Procurement Policy Manual, staff performed an evaluation of the bid that was received. Union Switch & Signal, Inc.'s bid was found to be in full compliance with the bid requirements.

D. Cost/Price Analysis

The recommended not to exceed bid amount of \$522,476 is the result of an open competitive bid process, and the bidder prepared its bid in expectation of adequate price competition. Based on the pre-solicitation market research, we anticipated more than one acceptable bid submittal.

Union Switch and Signal, Inc.'s price in the total amount of \$522,476 is determined to be fair and reasonable based on price analysis. Price analysis compared the bid price to the rail car manufacturer's prices identified on the original spare parts list. Buying direct from Union Switch and Signal, Inc. will result in a cost savings of \$305,760.

ATTACHMENT A-2
LIST OF SUBCONTRACTORS

ATP/TWC SPARE PARTS

PRIME CONTRACTOR – Union Switch and Signal, Inc.

Small Business Commitment

Other Subcontractors

N/A

N/A

Total Commitment 0.0%

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY BID TABULATION

Bid No: 09-0003 USS Spare Parts

Bids Out: 07/28/08 Total 5
 Bids Opened: 08/26/08 Total 1
 No Bid:
 Advertisement Date(s): 07/26/08
 Newspaper: Daily News

		Union Switch & Signal Inc.				
No.	Description	Vendor Part No.	Qty	UM	Unit Price	Total Price
1	Printed Circuit Board, 250HZ Filter Demodul	N21266405	6	EA	\$1,481.00	\$8,886.00
2	Cardfile Assy ATP/TWC	N21065602/AA03PIF	4	EA	\$32,825.00	\$131,300.00
3	Cardfile ASo ATP/TWC (cardfile only)	N21065601	4	EA	\$12,718.00	\$50,872.00
4	Printed Circuit Board Vital Input Board	N21260103	10	EA	\$1,444.00	\$14,440.00
5	Printed Circuit Board Multi-function Board	N21272402	6	EA	\$1,317.50	\$7,905.00
6	Printed Circuit Board FSK Receiver Board	N41910-5402	6	EA	\$3,348.00	\$20,088.00
7	Printed Circuit Board FSK CPU	N21270404	7	EA	\$1,600.00	\$11,200.00
8	Printed Circuit Board 332 CPU Board	N17061322	7	EA	\$2,530.00	\$17,710.00
9	Printed Circuit Board TWC Controller	N25560702	6	EA	\$3,727.00	\$22,362.00
10	Printed Circuit Board Power Supply Board	N21272202	6	EA	\$2,318.00	\$13,908.00
11	Printed Circuit Board Conditional Power Supply Board	N451910-0802	6	EA	\$1,161.00	\$6,966.00
12	Printed Circuit Board 100 HZ Filter Demodulator Board	N21266407	6	EA	\$1,630.00	\$9,780.00
13	Printed Circuit Board Decoder Print Circuit Board	N451910-5507	6	EA	\$885.00	\$5,310.00
14	Printed Circuit Board Battery CIND Board	N21068001	6	EA	\$327.50	\$1,965.00
15	Printed Circuit Board Relay	N21213301	6	EA	\$963.10	\$5,778.60
16	EPROM Printed Circuit Board	N21206601	6	EA	\$141.00	\$846.00
17	Vital Relay, PMI59B	N436788	6	EA	\$1,683.00	\$10,098.00
18	Decelerometer Assy	N21068801	4	EA	\$1,497.00	\$5,988.00
19	Aspect Display Unit	N21912401/AA03PIH	20	EA	\$2,693.00	\$53,860.00
20	TWC Interface Panel	N25402301/AA03PIE	20	EA	\$2,261.00	\$45,220.00
21	Pick Up Coil	N26204601/AA03W92	40	EA	\$298.70	\$11,948.00
22	Track Receiver Bar, 100HZ	N396278/AA03J4X	40	EA	\$855.90	\$34,236.00
23	Junction Box	N21067601/AA03KEJ	10	EA	\$463.50	\$4,635.00
24	Antenna TWC	N25402401/AA03HHY	20	EA	\$983.70	\$19,674.00
25	Speed Sensor	378391040020/AA043HM	30	EA	\$250.00	\$7,500.00
Grand Total						\$522,475.60

I hereby certify Union Switch & Signal, Inc. as being the lowest responsive, responsible bidder and recommend the award to them for total price, including sales tax, of \$ 522,475.60

9/26/08
 Date

Richard A. Bachman
 Signature