

OPERATIONS COMMITTEE NOVEMBER 20, 2008

SUBJECT: TRACTION MOTOR REPAIR AND OVERHAUL

ACTION: AWARD A CONTRACT FOR BREDA A650 TRACTION MOTOR REPAIR

AND OVERHAUL

RECOMMENDATION

Authorize the Chief Executive Officer to award a firm fixed-price unit rate contract under Bid No. 08-0025 with RAM Industrial Services, Inc., the lowest responsive and responsible bidder, for the overhaul of 306 Breda A650 (Option) heavy rail vehicle traction motors for an amount not-to-exceed \$1,447,855.

RATIONALE

The Breda A650 (Option) Heavy Rail Vehicle (HRV) fleet is in its twelfth year of operation. To ensure a continued level of safety and reliability, we overhaul the traction motor equipment consistent with the Original Equipment Manufacturer's (OEM) suggested overhaul interval. Wear and tear on these units in normal service requires both ongoing maintenance, which is performed by our personnel, and periodic overhaul, which is beyond the level of in-house maintenance capability.

In support of the daily rail revenue service requirements, Rail Fleet Services Engineering developed an equipment overhaul specification based upon OEM recommendations and our requirements. It is designed to provide safe and reliable HRV operation, prolong equipment life, and increase the Mean Time Between Failures (MTBF). The contractor will perform services in accordance with our specifications and the Rail Fleet Services' scheduled requirements.

FINANCIAL IMPACT

The funding of \$120,000 for this procurement is included in the FY09 budget in Rail cost center 3942, rail maintenance/operations under project number 300044 (Red Line), Line Item 50441. Since this is a multi-year contract, the cost center manager and General Manager, Rail Operations will be accountable for the budget cost in the future fiscal years. In FY08, no funds were expended on this category for repairs.

ALTERNATIVES CONSIDERED

An alternative is not to perform the overhaul. This would compromise safety and reliability of the entire rail-car fleet. Unscheduled maintenance repairs for this system on a component per component level per assembly will result in higher expenditures versus scheduled and planned maintenance.

ATTACHMENTS

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

Prepared by: Nick Madanat, Acting Engineering Manager, Rail Vehicle Engineering

Richard Bachman, Contract Administration Manager

Mike Çannell General Manager, Rail Operations

Roger Snoble Chief Executive Officer

BOARD REPORT ATTACHMENT A PROCUREMENT SUMMARY

TRACTION MOTOR REPAIR AND OVERHAUL

1.	Contract Number: 08-0025						
2.	Recommended Vendor: RAM Industrial Services, Inc.						
3.	Cost/Price Analysis Information:						
	A. Bid/Proposed Price:		Recommend	ded Pri	ice:		
	\$1,447,855		\$1,447,855				
	B. Details of Significant Variance	s are in	Attachment A-	1.D			
4.	Contract Type: Firm Fixed Price						
5.	Procurement Dates:						
	A. Issued: June 30, 2008						
	B. Advertised: July 3, 2008						
	C. Pre-bid Conference: N/A						
	D. Bids Due: October 7, 2008						
	E. Pre-Qualification Completed:						
	F. Conflict of Interest Form Subr	nitted to	Ethics: Yes				
6.	Small Business Participation:						
	A. DALP: 10%	Sma	ll Business Eva	luatior	n Completed: Yes		
	B. Small Business Commitmen	t: TBD					
7.	Invitation for Bid/Request for Pro	oposal D	ata:				
	Notifications Sent: Bids/	Proposa	ıls Picked up:	Bids	/Proposals Received:		
	13	1	2	<u> </u>	4		
8.	Evaluation Information:						
	A. <u>Bidders/Proposers Names</u> :	Bic	l/Proposal Amo	ount:	Best and Final Offer		
l	1	1 .			Amount:		
	RAM Industrial Services, Inc.		447,855.00		NA		
	Walco Electric Co.		557,552.00		į į		
ŀ	Swiger Coil Systems LLC		607,756.00				
•	Dahl-Beck Electric	\$1,751,003.00					
	B. Evaluation Methodology: Selection of the lowest responsive, responsible bidde						
ľ	Details are in Attachment A-1.C						
9.	Protest Information: A. Protest Period End Date: October 28, 2008						
	B. Protest Receipt Date: TBD						
	C. Disposition of Protest Date: TBD						
10.	Contract Administrator:		Telephone Nur	nber:			
{	Juelene Close		213-922-1066				
11.	Project Manager:		Telephone Nur				
	Joseph Iskander 323-224-4047						

BOARD REPORT ATTACHMENT A-1 PROCUREMENT HISTORY

TRACTION MOTOR REPAIR AND OVERHAUL

A. <u>Background on Contractor</u>

RAM Industrial Services, Inc. (RAM) is based in Camp Hill, Pennsylvania, and has been in business since 2000. The original RAM Industries was founded in 1950. RAM carries all types of AC/DC Motors, Bearings, Power Transmission Components, Gear Reducers, Brakes, Clutches, Hoists, Hoist Parts, Industrial Pumps, Municipal Pumps, Variable Speed Drives, Motor Controls, Welder Parts, Replacement Parts and Accessories. RAM also offers full turn-key projects including removal, installation, and equipment start up to refurbish and/or rewind of motors and generators to the customer's or manufacturer's specification. In the past, they have performed work for San Diego Trolley, Southern California Regional Rail Authority, Amtrak and Metro Red Line High Rail Vehicle Direct Current traction motor repair and overhaul.

B. <u>Procurement Background</u>

Invitation for Bid (IFB) No. 08-0025 was issued on June 30, 2008 and advertised on July 3, 2008. The bid deadline was October 7, 2008. In addition to newspaper advertising, 13 potential bidders were notified. Twelve firms requested and received the IFB solicitation package and four firms submitted bids prior to the stated deadline.

The Diversity & Economic Opportunity Department (DEOD) recommends a 10% DBE Anticipated Level of Participation (DALP) goal for this procurement.

C. <u>Evaluation of Bids</u>

In accordance with Procurement Policies and Procedures, staff performed an evaluation of the bids that were received. RAM Industrial Services' bid was found to be in full compliance with the terms and conditions of the solicitation. RAM was determined to be a responsible bidder capable of performing the services per our requirements.

D. Cost/Price Analysis

The recommended not-to-exceed bid amount of \$1,447,855 has been determined to be fair and reasonable based upon adequate price competition and selection of the lowest responsive and responsible bidder.

BOARD REPORT ATTACHMENT A-2 LIST OF SUBCONTRACTORS

TRACTION MOTOR REPAIR AND OVERHAUL

PRIME CONTRACTOR - RAM Industrial Services, Inc.

Small Business Commitment Other Subcontractors

N/A

Total Commitment TBD

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY BID TABULATION Bid No: 080025 Traction Motor Repair and Overhaul

th Oat	hut: 06/30/08 Total 13											
380	ned: 10/07/08 Total				Ram Indus	Ram Industrial Services,			0			i i
went went	wernsement Date(s): 07/03/08 wspaper: Daily News, La Opinion and L.A. Watts Times	Times			-	nc L	\$	walco	Swiger Coll	Swiger Coll Systems LLC	Dani-be	Dani-Beck Electric
و <u>ق</u>	Description	%	Q.	Unit	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
	BASIC OVERHAUL											
-	Breda A650 HRV Traction Motor Overhald		306	FA	\$1 985 NO	\$607 410 00	\$2 800 00	\$856 800 00	\$1 790 nn	\$547 740 OO	\$5.050.00l	\$1 ADA 500 DO
.}			gns	Subtotal A	00:000	\$607,410.00	42,000.00	\$856,800.00	41,100.00	\$547,740.00	40,500.00	\$1,606,500.00
	REPAIR/REPLACEMENT											
ator	ator/Frame											
-	Stator	10	30	EA	\$4,760.00	\$142,800.00	\$5,950.00	\$178,500.00	86,900.00	\$207,000.00	\$4,800.00	\$144,000.00
7	Stator Core Replacement	10	30	EA	\$2,525.00	\$75,750.00	\$3,590.00	\$107,700.00	\$14,000.00	\$420,000.00	\$1.00	\$30.00
3	Leads Replacement	15	46	EA	\$160.00	\$7,360.00	\$395.00	\$18,170.00	\$90.00	\$4,140.00	\$1.00	\$46.00
4	Replace Lead Bushings	15	46	EA	\$95.00	\$4,370.00	\$102.00	\$4,692.00	\$11.00	\$506.00	\$1.00	\$46.00
ۍ	Replace Lead Plate	10	30	EA	\$300.00	\$9,000.00	\$100.00	\$3,000.00	\$90.00	\$2,700.00	\$1.00	\$30.00
9	Threaded Hole Repair	5	15	EA	\$296.00	\$4,440.00	\$60.00	\$900.00	\$40.00	\$600.00	\$1.00	\$15.00
			Sub	Subtotal B		\$243,720.00		\$312,962.00		\$634,946.00		\$144,167.00
ğ									All Park	i i i	1 Wash	
_	Broken Bar Repair	10	30	EA	\$100.00	\$3,000.00	\$440.00	\$13,200.00	\$2,200.00	\$66,000.00	\$1.00	\$30.00
8	Rotor Replacement	10	30	EA	\$8,825.00	\$264,750.00	\$7,985.00	\$239,550.00	\$8,500.00	\$255,000.00	\$1.00	\$30.00
6	Shaft Replacement	20	61	EA	\$3,550.00	\$216,550.00	\$720.00	\$43,920.00	\$650.00	\$39,650.00	\$1.00	\$61.00
9	Cooling Fan Replacement		20	EA	\$2,100.00	\$42,000.00	\$1,565.00	\$31,300.00	\$1,055.00	\$21,100.00		\$20.00
=	Shaft Extension Encoder	5	15	EA	\$1,565.00	\$23,475.00	\$2,340.00	\$35,100.00	\$1,566.00	\$23,490.00	\$1.00	\$15.00
2	Replacement Bearing Lock Nut	10	30	EA	\$130.00	\$3,900.00	\$75.00	\$2,250.00	\$7.00	\$210.00		\$30.00
3	Replace Bearing Stop	10	30	EA	\$210.00	\$6,300.00	\$75.00	\$2,250.00	\$40.00	\$1,200.00		\$30.00
4	Replace Grease Singer	9	30	EA	\$375.00	\$11,250.00	\$75.00	\$2,250.00	\$64.00	\$1,920.00	\$1.00	\$30.00
			gns	Subtotal C		\$571,225.00		\$369,820.00		\$408,570.00		\$246.00
onne.	nnection End (CE) Frame-Head									4.00	1911	
15	CE Bearing Cartridge Repair	2	15	EA	\$350.00	\$5,250.00	\$160.00	\$2,400.00	\$150.00	\$2,250.00	\$1.00	\$15.00
16	CE Frame-Head Repair	5	15	EA	\$350.00	\$5,250.00	\$160.00	\$2,400.00	\$280.00	\$4,200.00	\$1.00	\$15.00
7	Screen Repair	2	15	EA	\$55.00	\$825.00	\$108.00	\$1,620.00	\$80.00	\$1,200.00	\$1.00	\$15.00
8	Screen Replacement	5	15	EA	\$140.00	\$2,100.00	\$450.00	\$6,750.00	\$120.00	\$1,800.00	\$1.00	\$15.00
ł			gns	Subtotal D		\$13,425.00		\$13,170.00		\$9,450.00		\$60.00
ive	ive End (DE) Frame-Head											
19	DE Bearing Fit Repair	5	15	EA	\$455.00	\$6,825.00	\$160.00	\$2,400.00	\$180.00	\$2,700.00	\$1.00	\$15.00
20	DE Frame-Head Repair	5	15	EA	\$350.00	\$5,250.00	\$160.00	\$2,400.00	\$290.00	\$4,350.00	\$1.00	\$15.00
			gns	Subtotal E		\$12,075.00		\$4,800.00		\$7,050.00		\$30.00
			GRAND TOTAL	TOTAL		\$1,447,855.00		\$1,557,552.00		\$1,607,756.00		\$1,751,003.00

lereby certify RAM Industrial Services, Inc. as being the towest responsive, responsible bidder and recommend the award to them for total price, including sales tax, of

Date

BS.