



**Metro**

Metropolitan Transportation Authority

One Gateway Plaza  
Los Angeles, CA 90012-2952

213.922.2000 Tel  
metro.net

**40**

**OPERATIONS COMMITTEE  
NOVEMBER 15, 2007**

**SUBJECT: TUBING KITS**

**ACTION: AWARD A CONTRACT FOR TUBING KITS**

**RECOMMENDATION**

Authorize the Chief Executive Officer to award a firm fixed-price contract under Bid No. 08-0002 with Performance Tube Bending Inc. the lowest responsive and responsible bidder for 225 tubing kits for a firm fixed price of \$487,125, inclusive of sales tax.

**RATIONALE**

In March 2007, the Board authorized the purchase of 400 Cummins ISL G Natural Gas Engines as replacement for the Detroit Diesel Series 50 engines that are no longer available and to support the Bus Midlife and Replacement programs. As part of the ongoing project to re-power 400 buses by replacing the engines, it is also necessary to replace the existing tubing kits for intake, exhaust, charge air cooler and cooling system. The 225 tubing kit covered under this procurement were specially designed to fit within the confines of the 40' 5000 series New Flyer Floor engine compartment, and will ensure new engine cooling requirements are met. There will be future procurements for additional tubing kits to fit the New Flyer Low Floor, NABI Low Floor and Neoplan CNG High-Floor buses as part of the bus re-power program.

**FINANCIAL IMPACT**

The funding of \$487,125 for this procurement is included in the FY08 budget in cost centers 3441, Power Plant, and 3442, Repair and Refurbish, under Capital Projects 203005, Bus Midlife Rebuild Program and CP 203015, FY08 RRC Bus Engine Replacement.

In FY07, no funds were expended on this type tubing kits.

**ALTERNATIVES CONSIDERED**

The alternative is to not award a contract for these new tubing kits. This strategy is not recommended because staff will not be able to proceed with the bus engine replacement and mid-life programs.

## ATTACHMENTS

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

Prepared by: John Petres, Equipment Maintenance Manager  
Richard Bachman, Contract Administration Manager

*Carolyn Flowers*

---

Carolyn Flowers  
Chief Operations Officer

*Roger Snoble*

---

Roger Snoble  
Chief Executive Officer

**BOARD REPORT ATTACHMENT A  
PROCUREMENT SUMMARY**

**TUBING KITS**

1.	Contract Number: 08-0002		
2.	Recommended Vendor: Performance Tube Bending Inc.		
3.	Cost/Price Analysis Information:		
	A. Bid/Proposed Price: \$487,125	Recommended Price: \$487,125	
	B. Details of Significant Variances are in Attachment A-1.D		
4.	Contract Type: Firm Fixed Price		
5.	Procurement Dates:		
	A. Issued: September 17, 2007		
	B. Advertised: September 20, 2007		
	C. Pre-bid Conference: N/A		
	D. Bids Due: October 17, 2007		
	E. Pre-Qualification Completed: Yes		
	F. Conflict of Interest Form Submitted to Ethics: October 19, 2007		
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: 6	Bids/Proposals Received: 3
8.	Evaluation Information:		
	A. <u>Bidders/Proposers Names:</u>  Performance Tube Bending R-T Welding & Fabrication Diesel Exhaust & Emissions	<u>Bid/Proposal Amount:</u>  \$487,125 \$536,288 \$780,925	<u>Best and Final Offer Amount:</u>  NA
	B. Evaluation Methodology: Selection of the lowest responsive, responsible bidder. Details are in Attachment A-1.C		
9.	Protest Information:		
	A. Protest Period End Date: November 19, 2007		
	B. Protest Receipt Date: TBD		
	C. Disposition of Protest Date: TBD		
10.	Contract Administrator: Otto Ojong	Telephone Number: 213-922-1454	
11.	Project Manager: John Petres	Telephone Number: 213-922-5743	

**BOARD REPORT ATTACHMENT A-1  
PROCUREMENT HISTORY**

**TUBING KITS**

**A. Background on Contractor**

Performance Tube Bending Inc. is based in Covina, California, and has been in business since 2004. Performance Tube Bending has been providing tube bending and fabrication services to various companies and government agencies including El Dorado National and Metro. This contractor's performance on its previous Metro procurement was satisfactory.

**B. Procurement Background**

Invitation for Bid (IFB) No. 08-0002 was released on September 17, 2007 and advertised on September 20, 2007. The bid deadline was October 17, 2007. Three firms submitted a bid prior to the stated deadline.

The Diversity & Economic Opportunity Department (DEOD) did not recommend a DALP goal for this procurement. Based on industry practice, the Prime (Performance Tube Bending) is expected to complete the entire scope with its own workforce. However, pursuant to the DBE Program, if Performance Tube Bending utilizes the services of subcontractors, they are encouraged to afford maximum opportunities to DBE firms in available subcontracting and supply services areas throughout the life of the contract.

**C. Evaluation of Proposals**

In accordance with Metro Procurement policies and procedures, staff performed an evaluation of the bids that were received. Performance Tube Bending, the lowest responsive and responsible bidder was found to be in full compliance with the bid specifications.

**D. Cost/Price Analysis**

The recommended bid price of \$487,125 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**

**TUBING KITS**

PRIME CONTRACTOR – Performance Tube Bending Inc.

Small Business Commitment

Other Subcontractors

N/A

N/A

Total Commitment 0.0%

**BOARD REPORT ATTACHMENT B  
 BID TABULATION**

**TUBING KITS**

Bids Out: 9/17/07 Total 7  
 Bids Opened: 10/17/07 Total 3  
 No Bid:  
 Advertisement Date(s): 09/19/07  
 Newspaper: La Opinion and L.A. Watts Times

Item No.	Description	Qty	Unit	Performance Tube Bending, Inc.		R-T Welding		Diesel Exhaust & Emissions, LLC	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Tube transmission cooler outlet to water pump inlet	225	EA	\$95.00	\$21,375.00	\$204.71	\$46,059.75	\$362.57	\$81,578.25
2	Tube radiator lower to transmission cooler inlet	225	EA	\$72.00	\$16,200.00	\$114.89	\$25,850.25	\$229.60	\$51,660.00
3	Tube engine thermostat outlet to radiator inlet	225	EA	\$73.00	\$16,425.00	\$133.90	\$30,127.50	\$224.74	\$50,566.50
4	Tube defroster return	225	EA	\$33.00	\$7,425.00	\$45.00	\$10,125.00	\$115.71	\$26,034.75
5	Tube heater return	225	EA	\$37.00	\$8,325.00	\$45.00	\$10,125.00	\$304.30	\$68,467.50
6	Tube air cleaner to turbocharger inlet	225	EA	\$153.00	\$34,425.00	\$177.32	\$39,897.00	\$158.52	\$35,667.00
7	Tube turbocharger compressor outlet to charge air cooler inlet	225	EA	\$57.00	\$12,825.00	\$110.42	\$24,844.50	\$168.52	\$37,917.00
8	Tube charge air cooler outlet to engine intake tube junction	225	EA	\$58.00	\$13,050.00	\$105.22	\$23,674.50	\$35.50	\$7,987.50
9	Air compressor inlet tube to engine charge air inlet pipe	225	EA	\$66.00	\$14,850.00	\$37.50	\$8,437.50	\$366.33	\$82,424.25
10	Tube charge air cooler outlet junction to engine intake	225	EA	\$30.00	\$6,750.00	\$110.68	\$24,903.00	\$152.46	\$34,303.50
11	Tubing Marmon flange muffler to bellows	225	EA	\$210.00	\$47,250.00	\$221.75	\$49,893.75	\$75.00	\$16,875.00
12	Bellows from muffler pipe with intermediate pipe welded	225	EA	\$220.00	\$49,500.00	\$181.32	\$40,797.00	\$231.76	\$52,146.00
13	Tube from bellows to turbo outlet elbow with Cummins adapter welded and turbo clamp	225	EA	\$346.00	\$77,850.00	\$355.75	\$80,043.75	\$343.02	\$77,179.50
14	Clamp adapter elbow @ turbo clamp adapter elbow to second adapter	450	EA	\$64.00	\$28,800.00	\$15.73	\$7,078.50	\$25.00	\$11,250.00
15	Elbow adapter @ turbo	225	EA	\$317.00	\$71,325.00	\$266.55	\$59,973.75	\$275.00	\$61,875.00
16	3" band clamp	675	EA	\$8.75	\$5,906.25	\$13.04	\$8,802.00	\$25.11	\$16,949.25

