

**Board Report**

File #: 2016-0185, **File Type:** Contract**Agenda Number:** 31

**SYSTEM SAFETY, SECURITY AND OPERATIONS COMMITTEE
JUNE 16, 2016****SUBJECT: ELECTRIC COOLING FAN SYSTEM****ACTION: AWARD CONTRACT FOR ELECTRONIC COOLING FAN SYSTEMS****RECOMMENDATION**

AWARD an Indefinite Delivery Indefinite Quantity Contract, No. MA5246200 to Modine Manufacturing Company, the lowest responsive and responsible bidder, for **Electric Cooling Fan Systems** for an amount not-to exceed \$2,758,124.00.

ISSUE

The Bus Maintenance Midlife program targets buses at the mid-point of the bus life and includes major mechanical systems replacements and interior and exterior refurbishment. During the Midlife, the engine which will have accumulated an average of 350,000 miles is replaced. The cooling fan system is part of the engine installation package. The existing hydraulic driven fan system will be replaced with an electric cooling fan system during the engine package change out. This procurement is required to ensure that buses in the Midlife program can continue to operate without delays and that revenue service is not impacted. The Contract will provide up to 299 electric cooling fan systems for engine packages.

DISCUSSION

The NABI 8100-8400 45' composite series which includes 300 buses is on schedule for refurbishment through the Bus Midlife Program. A new Cummins ISLG 280 HP engine package will be installed on these buses. As part of the new engine package installation, the existing hydraulic driven fan system will be replaced with an electric cooling fan system. The new fan system package will include a radiator, fan assemblies, controllers, power generation and necessary wiring, and are warranted to be free from defects in design and materials for two-years with full parts and labor on all warrantable failures. One (1) Electric Cooling Fan System from Modine Manufacturing Company has been installed and tested to ensure workability.

The engine assembly and installation takes an average of two weeks and is performed by Metro Mechanics at the Central Maintenance Shops. One hundred sixty eight (168) engine replacements with electric cooling fan systems are scheduled to be installed in FY17. The balance of one hundred and thirty one (131) will be installed in FY18.

DETERMINATION OF SAFETY IMPACT

Award of the Contract will result in a positive impact on safety. Installing a new electric cooling fan system will ensure that the bus is maintained in accordance with Metro Maintenance standards, eliminate hydraulic fluid leaks, and improve on-road performance and reliability of the bus which will have a beneficial impact on system safety.

FINANCIAL IMPACT

The contract value for these components is \$2,758,124 for up to 299 units. Funding of \$230,612 for the procurement of 25 electric cooling fan system units is included in the FY16 budget in cost center 3366 Central Maintenance Shops, under Capital Project 203036 Bus Midlife Project program, line item 50441, Parts - Revenue Vehicle.

The cost center manager, project manager, and Chief Operations Officer will ensure that the remaining \$2,527,512 for purchase of the remaining 274 electric cooling fan system units will be budgeted in future fiscal years.

Impact to Budget

For FY16 through FY17, the source of the funds for this procurement is a combination of Transportation Development Act Article 4 and Proposition C 40%. Through FY17, these are the designated funds available for bus midlife overhaul project. These funds are eligible for Bus Operations activities however it has a neutral impact to the FY budget as they have been programmed into the project allowing for execution of the proposed recommendation. No other funding sources were considered.

ALTERNATIVES CONSIDERED

The alternative is not to award this master agreement contract and procure electric cooling fan system units on an as-needed basis, using the traditional "min/max" replenishment system method. The "min/max" replenishment system method calculates minimum and maximum inventory levels. This strategy is not recommended since it does not provide for a commitment from the supplier to ensure availability, timely delivery, continued supply and a guaranteed fixed price for electric cooling fan system units.

NEXT STEPS

Refurbishment of the NABI 8100 series bus fleet will continue in accordance with Operations Support Services bus mid-life program and engine replacement program. The engine replacement including the electric cooling fans systems for this NABI bus series is scheduled to be completed by the end of FY18.


ATTACHMENTS

Attachment A - Procurement Summary

Attachment B - DEOD Summary

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Phillip A. Washington
Chief Executive Officer

PROCUREMENT SUMMARY

ELECTRIC COOLING FAN SYSTEMS / CONTRACT NO. MA5246200

1.	Contract Number: MA5246200	
2.	Recommended Vendor(s): Modine Manufacturing Company	
3.	Type of Procurement (check one): <input checked="" type="checkbox"/> IFB <input type="checkbox"/> RFP <input type="checkbox"/> RFP-A&E <input type="checkbox"/> Non-Competitive <input type="checkbox"/> Modification <input type="checkbox"/> Task Order	
4.	Procurement Dates:	
	A. Issued: 3/7/16	
	B. Advertised/Publicized: 3/9/16	
	C. Pre-proposal/Pre-Bid Conference: N/A	
	D. Proposals/Bids Due: 4/19/16	
	E. Pre-Qualification Completed: N/A	
	F. Conflict of Interest Form Submitted to Ethics: 5/10/16	
	G. Protest Period End Date: : 6/24/16	
5.	Solicitations Picked up/Downloaded: 8	Bids/Proposals Received: 3
6.	Contract Administrator: Tanya Allen	Telephone Number: 213/922-1018
7.	Project Manager: John Roberts	Telephone Number: 213/922-5060

A. Procurement Background

This Board Action is to approve an Indefinite Delivery, Indefinite Quantity (IDIQ) Contract, No. MA5246200, resulting from IFB MA24676, for up to 299 each Electric Cooling Fan Systems.

IFB No. MA24676 was issued in accordance with Metro's Acquisition Policy and the contract type is a Firm Fixed Unit Price.

Two amendments were issued during the solicitation phase of this IFB:

- Amendment No. 1, issued on April 1, 2016 clarified potential bidder's questions;
- Amendment No. 2, issued on April 7, 2016 clarified potential bidder's questions.

A total of three bids were received on April 19, 2016.

B. Evaluation of Bids

The firm recommended for award, Modine Manufacturing Company was found to be in full compliance with the bid requirements.

No.	Bidder Name	Bid Amount
1.	Modine Manufacturing Company	\$2,758,124
2.	Diesel Radiator Company	\$2,898,969
3.	EMP	\$2,965,781

C. Price Analysis

The recommended bid price has been determined to be fair and reasonable based upon adequate price competition and selection of the lowest responsive and responsible bidder.

Low Bidder Name	Bid Amount	Metro ICE
Modine Manufacturing Company	\$2,758,124	\$3,250,000

D. Background on Recommended Contractor

The recommended firm, Modine Manufacturing Company, located in Racine, WI, has been in business for 100 years and, is a leader in the field of thermal management systems and components, bringing highly engineered heating and cooling technology and solutions to diversified global markets. Modine Manufacturing Company has provided similar products to other transit agencies including Transit properties in King County, Seattle Washington and to bus manufacturer's Gillig, NABI, New Flyer, Nova Bus, El Dorado, and Motor Coach Industries (MCI). Modine also supports transit retrofit companies such as Complete Coach Works, Coach Crafters, and Midwest Bus Corporation. Modine Manufacturing Company has no previous purchase orders/contracts with Metro.

DEOD SUMMARY**ELECTRIC COOLING FAN SYSTEM/****A. Small Business Participation**

The Diversity and Economic Opportunity Department (DEOD) did not establish a small business participation goal based on the lack of subcontracting opportunities. It was determined that the equipment will be provided by the Original Equipment Manufacturer (OEM). It was also confirmed by the Project Manager that installation of the equipment will be performed by Metro.

B. Living/Prevailing Wage and Service Contract Worker Retention Policy Applicability

The Living Wage and Service Contract Worker Retention Policy is not applicable to this contract.

C. Prevailing Wage Applicability

Prevailing wage is not applicable to this contract.

D. Project Labor Agreement/Construction Careers Policy

Project Labor Agreement/Construction Careers Policy is not applicable to this contract.