



Metro

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**OPERATIONS COMMITTEE
FEBRUARY 19, 2009**

**SUBJECT: CONTRACT NO. OP-3960-2134R
FIBER OPTIC COMMUNICATION EQUIPMENT**

ACTION: APPROVE AND AWARD CONTRACT

RECOMMENDATION

Authorize the Chief Executive Officer to award a one-year firm fixed price contract under Bid No. OP- OP-3960-2134R, to J. M. Fiber Optics, Inc., the lowest responsive and responsible bidder, for SONET Fiber Optic Transmission equipment for the Metro Red, Blue, and Green Lines, for an amount not to exceed \$2,481,005 inclusive of sales tax and four options.

RATIONALE

The existing fiber optic transmission system equipment is a vital and integral part of the Metro Rail communication systems and has been in service since their respective openings. The fiber optic transmission system is used to transport all the vital radio and telephone communications, SCADA, CCTV, remote train control, and administrative data and information between Rail Operations Control (ROC), and remote sites. The vital ancillary systems carried on the existing fiber optic transmission system are Supervisory Control and Data Acquisition System (SCADA), the Intrusion Detection System (IDS), the Universal Fare System (UFS), Emergency Management Systems (EMS) and the two-way radio systems for Metro Rail Line Operations, Metro Security and Metro Facilities Services.

The existing cable transmission system equipment has been discontinued by the manufacturer for ten years and replacement parts are only available from third party sources. Additionally many new systems being incorporated into the Metro Rail Lines require Ethernet data connections which are not possible with the existing fiber optic transmission equipment.

FINANCIAL IMPACT

Fiber Optic Cable Transmission System). This contract expense is within the life-or-project budget for both projects.

Since this is a multi-year contract, the Project Manager and General Manager of Rail Operations is responsible to budget the cost in future years consistent with the board-adopted LOP budgets.

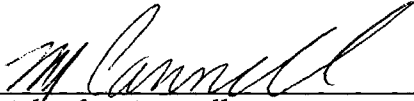
ALTERNATIVES CONSIDERED

The alternative is not to install a new fiber optic transmission system. This alternative is not recommended because the loss of the existing Communications Transmission System would disrupt the operation, the safety and the security of the affected Metro Rail Line service.

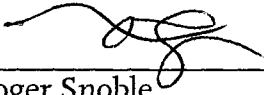
ATTACHMENTS

- A. Procurement Summary
- A-1. Procurement History
- B List of Subcontractors

Prepared By: Robert Nevarez, Senior Engineer
Martin Batistelli, Supervising Engineer
Aida Asuncion, Deputy Executive Officer, Metro Rail Operations



Michael J. Cannell
General Manager, Rail Operations



Roger Snoble
Chief Executive Officer

**BOARD REPORT ATTACHMENT A
PROCUREMENT SUMMARY**

FIBER OPTIC TRANSMISSION SYSTEM EQUIPMENT

| | | | |
|-----|---|--|--|
| 1. | Contract Number: OP-3960-2134R | | |
| 2. | Recommended Vendor: JM Fiber Optics, Inc. | | |
| 3. | Cost/Price Analysis Information: | | |
| | A. Bid/Proposed Price: \$2,997,450.88 | Recommended Price: NTE \$2,481,005.00 | |
| | B. Details of Significant Variances are in Attachment A-1.D | | |
| 4. | Contract Type: Firm Fixed Price | | |
| 5. | Procurement Dates: | | |
| | A. Issued: May 20, 2008 | | |
| | B. Advertised: May 22, 2008 | | |
| | C. Pre-bid Conference: N/A | | |
| | D. Bids Due: August 29, 2008 | | |
| | E. Pre-Qualification Completed: October 13, 2008 | | |
| | F. Conflict of Interest Form Submitted to Ethics: October 24, 2008 | | |
| 6. | Small Business Participation: | | |
| | A. Bid Goal: MBE: 0% WBE: 0% | Date Small Business Evaluation Completed: N/A | |
| | B. Small Business Commitment: N/A | | |
| 7. | Invitation for Bid/Request for Proposal Data: | | |
| | Notifications Sent: 44 | Bids/Proposals Picked up: 44 | Bids/Proposals Received: 1 |
| 8. | Evaluation Information: See Bid Tabulation | | |
| | A. Bidders/Proposers Names: JM Fiber Optics, Inc. | Bid/Proposal Amount: \$2,997,450.88 | Best and Final Offer Amt: NTE \$2,481,005.00 |
| | B. Evaluation Methodology: Procurement is in compliance with Procurement policies and procedures. | | |
| 9. | Protest Information: | | |
| | A. Protest Period End Date: February 24, 2009 | | |
| | B. Protest Receipt Date: June 20, 2008 | | |
| | C. Disposition of Protest Date: July 29, 2008 | | |
| 10. | Contract Administrator: Amy L. Wang | Telephone Number: 213-922-2632 | |
| 11. | Project Manager: Robert Nevarez | Telephone Number: 213-922-3179 | |

BOARD REPORT ATTACHMENT A-1
PROCUREMENT HISTORY

FIBER OPTIC TRANSMISSION SYSTEM EQUIPMENT

A. Background on Contractor

JM Fiber Optics, Inc. has recently implemented its ISO 9001-2000 compliant quality system and is quality certified from General Dynamics Network Systems, Lockheed Martin Systems Integration, Bechtel Nevada, and JPL. JM Fiber Optics has a certified fiber optic trainer and test administrator by Fujitsu, Siemens, and Lucent Technologies. JM Fiber Optics is a certified small disadvantaged minority business enterprise (MBE, MBE, and DBE). In 2007, JM Fiber Optics received the Minority Business of the Year in Science and Technology from the City of Los Angeles for its development of the Transit Passenger Information System (TPIS) for Metro. This contractor's performance on its previous Metro procurement was satisfactory.

B. Procurement Background

This procurement was conducted as a Two-Step Sealed Bid. Step One consists of the request for submission, evaluation and discussion of technical proposals. No pricing is requested in Step 1. The object is to determine the acceptability of the equipment being proposed. A Source Selection Committee was established to evaluate the proposals to determine acceptability. Step Two involves the submission of sealed price bids by those companies which were determined by the Committee to have submitted acceptable technical proposals. Recommendation for award is then made to the lowest priced, responsive, responsible bidder.

After receipt of prices, it was determined the bidder had offered a complement of equipment that exceeded Metro's needs. The NTE pricing represents the reduced price for fully compliant equipment.

The Diversity and Economic Opportunity Department (DEOD) did not recommend an MBE/WBE Voluntary Anticipated Level of Participation (VALP) goal for this procurement due to lack of subcontracting opportunities.

C. Evaluation Criteria

The Source Selection Committee conducted a comprehensive evaluation of the technical proposals in accordance with the evaluation criteria contained in the IFB. Four (4) technical proposals were received and presented to the Committee for evaluation. Three (3) of four technical proposals were deemed unacceptable because the proposed equipment did not meet the specified technical specification. One of four technical proposals was deemed acceptable and the bidder was invited to submit its price bid. A single bid was received by JM Fiber Optics, Inc.

D. Cost/Price Analysis

The recommended not to exceed price of \$2,997,450.88, inclusive of sales tax and Options 1, 2, 3 and 4, for the fiber optic transmission system equipment was determined to be a fair and reasonable price for the system equipment based on a thorough price analysis.

**BOARD REPORT ATTACHMENT B
LIST OF SUBCONTRACTORS**

FIBER OPTIC TRANSMISSION SYSTEM EQUIPMENT

PRIME CONTRACTOR JM Fiber Optics, Inc.

Small Business Commitment
0%

Other Subcontractors
None

Total Commitment 0%

