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OPERATIONS COMMITTEE

JUNE 20, 2001

Metropolitan
Transportation
Authority

SUBJECT: BARCO S70 LIQUID CRYSTAL DISPLAY PROJECTORS

**ACTION: AWARD CONTRACT FOR LCD PROJECTORS FOR METRO
BLUE LINE**

One Gateway Plaza
Los Angeles, CA
90012-2952

RECOMMENDATION

Award a firm fixed price contract under Bid No. 03-0115 to International Business Systems, the lowest responsive and responsible bidder for five (5) Barco S70 Liquid Crystal Display (LCD) Projectors for Metro Blue Line at the Central Control Facility for a firm fixed price of \$240,120 inclusive of sales tax.

RATIONALE

MTA Rail Operations Control relies on the use of Barco projectors for all three metro rail systems (Blue Line, Green Line, and Red Line). The Barco projectors that are used at the MTA Central Control Facility (CCF) are large screen (67" diagonal) display monitors that are used to display graphical status of the rail transit systems. Each Line has its own group of projectors that are dedicated to their specific operations. Five large screen displays are lined up side by side to create a large display wall that provides Train Controllers with a panoramic view and status of the entire Blue Line operation. The displays include track diagrams, major facility locations, and important real-time operating information such as track switch position, signal status, train location, and alarm indications within rail facilities.

The existing Metro Blue Line (MBL) projectors have been in service continuously for over ten years and now require replacement because of their deteriorated condition. The existing MBL projectors have poor image quality and can no longer be aligned or adjusted to provide clear and focused pictures. Maintenance overhead for the projectors has increased as more frequent convergence alignments and other maintenance are required. To maintain a safe and efficient Metro Blue Line operation, it is critical to replace the old Barco projectors with new projectors.

FINANCIAL IMPACT

The funding of \$240,120 for this product is included in the FY01 budget in Cost Center 3345, SCADA Systems Engineering & Maintenance, under Project Number

200007, Acquisition of Equipment, and line item number one. No funds were expended in FY00 in this category.

ALTERNATIVES CONSIDERED

The alternative is to not purchase new projectors. The existing projectors will continue to deteriorate until they totally fail and cannot be repaired. Failure of the projectors will eliminate a vital function of the Light Rail, Supervisory Control and Data Acquisition System (SCADA) that is relied on by Rail Controllers to safely operate trains and monitor facility status. Rail Operations Control does not consider projector failure and removal an option; they need continuous use of large screen projectors to operate trains safely.

PROCUREMENT SUMMARY

The Procurement Department advertised Invitation for Bid Number 03-0115 on January 25, 2001. The notice of availability was mailed to 57 potential bidders. On March 15, 2001, five bids were received and opened.

In accordance with MTA’s Procurement Policy and Procedures, a technical evaluation was performed by the Equipment Engineering Department. Based on the analysis it was determined that the lowest responsive bidder is qualified to perform the contract.

The bid price includes a one-year warranty on parts and on site repairs.

COST/PRICE ANALYSIS

Table 1 Analysis

Line Item #	Bidder	Total Award Amount	Historical Price
1	International Business Systems	\$240,120	N/A
		Total Variance	N/A

Table 2 Analysis

Line Item #	Bidder	Quantity	Type	Bid Unit Price	Historical Unit Price	Variance *Unit Price
1	International Business Systems	5	Barco S70 Projectors	\$42,300	N/A	N/A

The recommended bid price of \$240,120 has been determined to be fair and reasonable based upon selection of the lowest responsive and responsible bidder and price analysis.

SMALL BUSINESS PARTICIPATION

The Small Business Diversity Unit (SBD) did not recommend a Disadvantaged Business Enterprise (DBE) participation goal for this procurement. Based on industry practices, it is expected that the Prime Contractor (Prime) will provide all products with minimal, if any, subcontracting.

Pursuant to the DBE Program requirements, if the Prime proposes to use the services of subcontractors, the Prime is expected to afford maximum opportunities to DBEs in subcontract and supply service areas. Upon request, the Prime is required to submit documentation to satisfy that good faith efforts were made to utilize DBEs throughout the life of the contract.

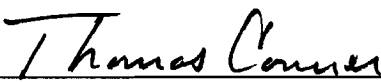
ATTACHMENTS

- A. Bid Tabulation
- B. Procurement Summary

Prepared by: Jean Belvin
Kevin Sechler, Project Manager



Colonus Mitchell
Executive Officer, Procurement



Thomas K. Conner
Executive Officer
Transit Operations



Allan G. Lipsky
Office of the Chief Executive Officer

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY BID TABULATION
Bid No: 030115 Furnish Install of Five LCD Projectors for Rail Central Control Facility

Bids Out: 01/19/01
 Total 57
 Bids Opened: 03/15/01
 Total 5
 No Bids: 4
 Advertisement Date: 01/25/01
 Newspaper: Daily News, LA
Watts Times, La Opinion

Description	Qty	International Business Systems		MicroAge Computermart		Hoffman		Spintar		Innovative Design Technologies	
		Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
Barco S70 Projectors (or approved equal) with Manuals and Spare Parts Kits	5	\$42,300.00	\$211,500.00	\$43,523.20	\$217,616.00	\$44,831.00	\$224,155.00	\$49,254.19	\$246,270.95	\$51,462.00	\$257,310.00
Sales Tax 8%			\$16,920.00		\$17,409.28		\$17,932.40		\$19,701.68		\$20,584.80
Sub Total			\$228,420.00		\$235,025.28		\$242,087.40		\$265,972.63		\$277,894.80
Installation 1 Lot (Including all Materials)			\$11,700.00		\$7,500.00		\$34,250.00		\$21,975.00		\$16,400.00
Total			\$240,120.00		\$242,525.28		\$276,337.40		\$287,947.63		\$294,294.80


I hereby certify IBS as being the lowest responsible bidder and recommend the award to them for total price, including sales tax, of \$240,120.00

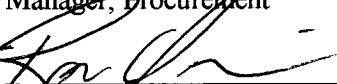
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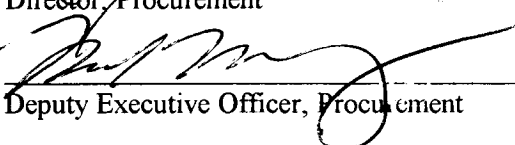

Signature

BOARD REPORT ATTACHMENT "A"
PROCUREMENT SUMMARY
SEALED BID

1.	Independent Estimate: \$250,000
2.	Recommended Vendor: International Business Systems San Antonio, TX
3.	Description of Equipment or Material:
4.	Contract Type: FFP
5.	Issued: January 25, 2001
6.	Advertised: January 25, 2001
7.	DBE Participation Goal? No Responsive? Yes
8.	No. of Bid notifications sent (postcards): 66
9.	No. of Bids Picked up by Vendors: 57
10.	Pre-Bid Conference: February 6, 2001
11.	Date bids opened: March 15, 2001
12.	No. of bids received: 5
13.	Staff analysis: See attached tabulation sheet 1. List Bidders and Bid Prices SEE ATTACHED 2. Tech Analysis-Responsiveness
14.	Protest Received: No Disposition of Protest/Appeal: N/A
15.	Award to Other than Low Bid? N/A Why?
16.	Conflict of Interest form submitted to Ethics? Yes
17.	EO Evaluation Completed: Yes
18.	Pre-Qualification Completed? Yes
19.	Audit Report Status: N/A
20.	Contract Administrator: Jean Belvin Tel: 922-1041
21.	Project Manager: Kevin Sechler Tel: 323/563-5207

Concur: 
 Manager, Procurement

Concur: 
 Director, Procurement

Concur: 
 Deputy Executive Officer, Procurement