

MEETING DATE: May 14, 2003

SUBJECT: Procurement Authorization - Preventive Maintenance And Repair Of Linear Induction Motors (LIM)

RECOMMENDATION

It is recommended that the Commission authorize the award of a two-year contract to Sherwood Electromotion for the repair and scheduled preventive maintenance of SRT Linear Induction Motors in the total upset limit amount of \$625,000 for the period May 31, 2003 to May 30, 2005.

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FUNDING

Sufficient funds for 2003 expenditures are included in the 2003 Operating Budget and funds will be provided in future budgets as appropriate.

BACKGROUND

Linear Induction Motors (LIM's) provide the traction force for the I.C.T.S. cars of the Scarborough Rapid Transit System. The motor is situated under the car and operates with a clearance of less than 0.5 inches between its surface and that of the reaction rail. The LIM's periodically experience mechanical damage due to debris being caught between the two surfaces, improper reaction rail height, or improper alignment of the LIM. Although frequent checks of the reaction rail alignment are regularly conducted, periodic damage continues to occur. Additionally, regular operating conditions cause the motor windings to fail over time, and this damage must be repaired on an "as required" basis. Regular preventive maintenance of up to 25 LIM's over the two-year period is also included in this contract.

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DISCUSSION

The only two approved companies known to be qualified to perform this work were invited to submit tenders in addition to the public advertisement on the TTC website on

February 26, 2003 out of which three companies submitted tenders as summarized on the attached Appendix 'A'.

As the companies for this contract must be pre-approved/qualified, the tenderers were advised that non-approved/non-qualified companies would not be considered during the evaluation process. The Commission will however review the tenderers' capabilities during the term of this contract for subsequent Request for Tenders. The tenderers were requested to submit pricing based on a combination of scheduled preventive maintenance and miscellaneous unscheduled repairs.

Ainsworth Inc. submitted the lowest priced tender, however they are not approved as a supplier for this service. Maintenance Engineering will pursue evaluation of Ainsworth's capabilities for future requirements.

Sherwood Electromotion submitted the second lowest price and was the only approved bidder to respond. Their submission did not state any exceptions/qualifications and is considered commercially and technically compliant. Sherwood Electromotion has satisfactorily performed the work for the Commission in the past and are considered qualified to perform the work under this contract. The cost of scheduled maintenance is approximately 2.63% lower than the current contract, while the labour rate and mark-up on parts for unscheduled maintenance remain the same as in the current contract.

The only other approved bidder (Wismer & Rawlings Electric Inc) did not submit a tender as they indicated that they could not be competitive.

JUSTIFICATION

Repairs to damaged LIM's and preventive maintenance of motors are necessary to maintain the current level of SRT service.

April 28, 2003

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Attachment: Appendix "A"

appendix "a"

TENDER summary

**PrEVENTIVE MAINTENANCE AND REPAIR OF LINEAR INDUCTION
MOTORS (LIM)**

May 31,2003-May 30,2005

COMPANY	TOTAL EVALUATED PRICE
Sherwood Electromotion*	\$613,525.00
Ainsworth Inc**	\$535,716.00
Swiger Coil Systems Inc**	\$1,504,232.20

*** Approved Bidder - Recommended for Award**

** Non-approved Bidder