



## Board Report

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File #: 2019-0113, File Type: Contract

Agenda Number: 23.

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**OPERATIONS, SAFETY, AND CUSTOMER EXPERIENCE COMMITTEE  
APRIL 18, 2019**

**SUBJECT: VITAL RELAYS FOR THE METRO BLUE LINE**

**ACTION: APPROVE CONTRACT AWARD**

**RECOMMENDATION**

CONSIDER:

- A. FINDING that there is only a single source of procurement to obtain Metro Blue Line Train Control Vital Relays to support Rail Wayside System Maintenance. The Board hereby authorizes purchase of the Vital Relays for the sole purpose of duplicating and replacing system equipment already in use; and

(REQUIRES 2/3 VOTE OF THE BOARD)

- B. AUTHORIZING the Chief Executive Officer to award a 24-month sole source, fixed price Contract Number OP58657000 to Twinco Mfg. Co., Inc. for an amount not to exceed \$2,862,833.53 inclusive of sales tax, subject to resolution of protest(s), if any.

**ISSUE**

The Metro Blue Line (MBL) Train Control Vital Relays and the bases are of a proprietary design and Twinco Mfg. Co., Inc. is the sole manufacturer of the drop-in relays which are compatible with the existing relay base. Metro Wayside Maintenance has nearly exhausted their inventory of spare vital relays.

**BACKGROUND**

The Vital Relays are installed by Metro Wayside Maintenance in Train Control Rooms along the Metro Blue Line and have been in service since July of 1990. This State of Good Repair project (SOGR) is to ensure that LA Metro has a sufficient stock of replacement vital relays to keep the Train Control system on the MBL operational.

**DISCUSSION**

This procurement is to obtain replacement relays for the Vital Relays used in the Train Control system for train detection, cab signaling, switch control, and signal lighting. The Vital Relays that will be procured are replacements for equipment installed at 16 locations along the Metro Blue Line (MBL). Existing vital relays have reached the end of their useful life and Wayside Systems has nearly exhausted their inventory of spare vital relays. Furthermore, the manufacturer no longer manufactures this model of vital relay.

This procurement requires the manufacturer to establish a manufacturing line to create and test approximately 1,100 relays that will be added to Wayside System's spare part inventory. With this replenished inventory of new Vital Relays, Wayside Systems will be able to perform maintenance in accordance with our Wayside Systems Signal Preventative Maintenance Plan and keep the MBL signaling system in a state of good repair.

### **DETERMINATION OF SAFETY IMPACT**

Approval of the recommendations will have a positive impact on the safety of the rail system by helping to ensure compliance with the original equipment manufacturers (OEM) recommended replacement cycle. Maintaining the rail system in a State of Good Repair will reduce the mean time between failures (MTBF), reduce the mean time to repair (MTTR) after failure, and promote safe and reliable train operations.

### **FINANCIAL IMPACT**

There is no FY19 budget impact for this action. The budget is part of the FY20 proposed budget subject to board adoption in May 2019. It is part of the FY20 project milestones and related cash flow scheduled for completion within the Life-of-Project (LOP) budget for Project 205108, Metro Blue Line Re-signaling Rehabilitation. The cost of purchasing this equipment is anticipated to be spread out over two fiscal years, FY20 and FY21. The equipment has a lead time of 38 weeks from NTP, and Metro would not make the first payment to Twinco until the initial shipment of vital relay equipment is received. If NTP is given in April 2019, the initial shipment of equipment would be approximately November 2019. The final payment would be in FY21. Assuming a contract value of \$2,862,833.53, staff anticipates paying 40% (approximately \$1.15M) of the cost or total value in FY20 and 60% (approximately \$1.71M) in FY21. The funds for this equipment is in Cost Center 8510 (Construction Procurement) under Project 205108.

Since this is a multi-year capital project, the Chief, Program Management, will be responsible for budgeting costs in future fiscal years.

#### **Impact to Budget**

The funding sources for this project are a State of California Transit and Intercity Rail Capital Program (TIRCP) Grant, and local Prop A 35%. Use of these funding sources currently maximizes the allowable funding allocation given approved funding provisions and guidelines.

### **IMPLEMENTATION OF STRATEGIC PLAN GOALS**

Recommendation supports strategic plan goal 1, to improve the quality of Metro's transit network, and assets, and take steps to manage demand on the entire network. This project will prioritize service and infrastructure investments to areas with the greatest need, with the goal of improving transportation options for the county's most vulnerable populations within LA County.

**ALTERNATIVES CONSIDERED**

The Board may choose not to award Contract No. OP58657000, but this is not recommended by staff because without proceeding with the State of Good Repair to replace Train Control Vital Relays, any failure(s) will cause delays in MBL service as train movements will need to stop until repairs are completed. Not performing or postponing these replacements is not recommended as these rail infrastructure components are safety sensitive and if not properly maintained, will impact service reliability, passenger safety and comfort. Additionally, unscheduled maintenance repair costs on a per train control relay basis will result in higher operating costs and longer repair time versus reduced costs when performing work as scheduled.

**NEXT STEPS**

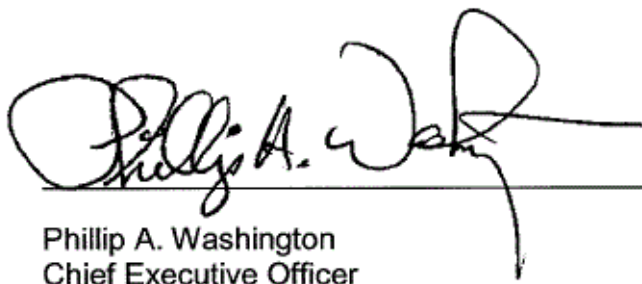
Upon Board approval, staff will execute Contract No. OP58657000 to Twinco Mfg. Co., Inc. to furnish Train Control Vital Relays devices.

**ATTACHMENTS**

- Attachment A - Procurement Summary
- Attachment B - DEOD Summary

Prepared by: Marshall Epler, DEO, Systems Engineering, (213) 617-6232  
James Wei, DEO, Project Management, (213) 922-7528  
Errol Taylor, SR EO, Rail Maintenance and Engineering, (213) 922-3227

Reviewed by: James T. Gallagher, Chief Operations Officer, (213) 418-3108  
Debra Avila, Chief Vendor/Contract Management Officer, (213) 418-3051



Phillip A. Washington  
Chief Executive Officer

**PROCUREMENT SUMMARY**  
**BLUE LINE VITAL RELAYS**  
**CONTRACT NO. OP58657000**

1.	<b>Contract Number: OP58657000</b>	
2.	<b>Recommended Vendor:</b> Twinco Manufacturing Company, Incorporated	
3.	<b>Type of Procurement (check one):</b> <input type="checkbox"/> IFB <input checked="" type="checkbox"/> RFP <input type="checkbox"/> RFP-A&E <input checked="" type="checkbox"/> Non-Competitive <input type="checkbox"/> Modification <input type="checkbox"/> Task Order RFIQ	
4.	<b>Procurement Dates:</b>	
	A. <b>Issued:</b> November 6, 2018	
	B. <b>Advertised/Publicized:</b> N/A	
	C. <b>Pre-Proposal Conference:</b> N/A	
	D. <b>Proposals Due:</b> December 27, 2018	
	E. <b>Pre-Qualification Completed:</b> January 4, 2019	
	F. <b>Conflict of Interest Form Submitted to Ethics:</b> January 22, 2019	
	G. <b>Protest Period End Date:</b> April 29, 2019	
5.	<b>Solicitations Picked up/Downloaded:</b> 1	<b>Bids/Proposals Received:</b> 1
6.	<b>Contract Administrator:</b> Aryani L. Guzman	<b>Telephone Number:</b> 213-922-1387
7.	<b>Project Manager:</b> Ricardo Moran	<b>Telephone Number:</b> 213-922-3218

**A. Procurement Background**

This Board Action is to approve Contract No. OP58657000 issued to procure Metro’s Blue Line Train Control Vital Relays for Metro Blue Line (MBL) Station locations in support of Metro’s Maintenance of Way (MOW) Department in the State of Good Repair. Board approval of contract awards are subject to resolution of any properly submitted protest.

A Request for Proposal (RFP) No. OP58657 was issued as a sole source procurement in accordance with Metro’s Acquisition Policy and the contract type is a Firm Fixed Price.

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

- Amendment No. 1, issued December 3, 2018 extending proposal due date.
- Amendment No. 2, issued December 20, 2018 revising technical requirements.

A sole source proposal was received on December 27, 2018 from Twinco Manufacturing Co., Inc.

**B. Evaluation of Proposal**

This sole source procurement is consistent with Public Utility Code, Section §130237, for the duplication or replacement of existing equipment already in use. Metro’s technical staff conducted a comprehensive technical evaluation and found the proposal to be technically acceptable.

The firm recommended for award, Twinco Manufacturing Company, Incorporated was found to be responsive and responsible, and in full compliance with the RFP requirements.

**C. Price Analysis**

A price analysis was performed on the proposed offer, consisting of Metro’s engineering and estimating price assessments, staff’s review of several Twinco’s recent invoices to similar transit agency customers. The price analysis found favorable pricing to Metro when compared to other agency purchases and the Contractor’s unpublished price list. Based on staff’s price analysis, it was determined that the total proposed price from Twinco was fair and reasonable.

<b>Proposer Name</b>	<b>Proposed Amount</b>	<b>Metro ICE</b>
Twinco Manufacturing Co., Inc.	\$2,862,833.53	\$2,862,335.48

**D. Background on Recommended Contractor**

Twinco Manufacturing Company, Incorporated has over 50 years of experience in producing and supplying electro-mechanical products for the railroad and transit industries. Twinco has a manufacturing facility in Hauppauge, New York where their products are made in the United States. Twinco’s corporate headquarters is also located in Hauppauge, New York. Some of their customers and projects include Long Island Railroad, New Jersey Transit, Toronto Transit Commission, Septa, WMATA, Maryland Transit, Houston LRT Extension, MTA-LIRR SCADA Contract, MTA-NYCT Rehabilitation of the Culver Line Viaduct, South Ferry Terminal Complex Rehabilitation Contract and CSC Rail Layout, among others.

DEOD SUMMARY

VITAL RELAYS FOR THE METRO BLUE LINE/OP58657000

**A. Small Business Participation**

The Diversity & Economic Opportunity Department (DEOD) did not recommend a Small Business Enterprise / Disabled Veteran Business Enterprise (SBE/DVBE) goal for this non-competitive, sole-source procurement. Twinco MFG Co is the sole manufacturer of the style of relay used on the Blue Line, and services will be provided with the prime's own workforces.

**B. Living 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. Project Labor Agreement/Construction Careers Policy is applicable only to construction contracts that have a construction contract value in excess of \$2.5 million.