

**Board Report**

File #: 2016-0726, **File Type:** Contract**Agenda Number:** 28.

**SYSTEM SAFETY, SECURITY AND OPERATIONS COMMITTEE
NOVEMBER 17, 2016****SUBJECT: RAIL OPERATIONS ENGINEERING SUPPORT BENCH****ACTION: INCREASE CONTRACT VALUE****RECOMMENDATION**

AUTHORIZE the Chief Executive Officer to increase the total authorized not-to-exceed amount to **Rail Operations Engineering Support Bench** (Bench) Contract No OP39202965, by \$4,300,000 from \$5,000,000 to \$9,300,000 for engineering and technical services for wayside systems operating and capital projects.

ISSUE

Metro Rail Maintenance and Engineering has limited number of resources to develop and execute capital projects and, at the same time, meet the day-to-day engineering support needs that are necessary to maintain and improve Metro wayside assets and systems. The current Bench requires an increase in contract authority to allow the continued provision of engineering and technical services as-needed in situations where Metro does not have sufficient capacity or expertise necessary to perform a task.

DISCUSSION

In April 2013, the Board authorized the award of Contract No. OP39202965, in the amount of \$5,000,000, to 25 qualified firms, for a range of support services for wayside systems and equipment that included train control, traction power, communications, and fare collection. The services also included civil design as well as computer-aided design and drafting (CADD) services. This Bench has enabled Metro to supplement internal resources by having available a wide range of firms with specialized engineering knowledge. A list of proposed project uses is shown in Attachment B. This action will provide additional contract authority, which is needed to provide an increased amount of engineering and technical services through the end of the current Period of Performance, March 30, 2018.

To date, the value of bench task orders and modifications that has been awarded is \$2,334,206; the additional value of pending task orders is \$2,488,300, for a total Bench amount of \$4,822,506. A list of all task awards by firm and project description is shown in Attachment C.

DETERMINATION OF SAFETY IMPACT

This Bench contract is not directly related to a specific safety issue. However, the services provided via the Bench will contribute to maintaining the rail system in a State of Good Repair (SGR) which is essential to providing a safe and reliable service for riders who use the Metro rail system daily.

FINANCIAL IMPACT

For FY 17, funding of \$5,201,157 is included in the operating budget and \$5,567,632 is included in the capital project budget under various cost centers and projects, including cost centers: 6821- Asset Management, 3910 - Maintenance and Engineering, 3922 - Rail Communications Systems, 3926 - Rail Signal Systems, 3927 - Rail MOW Track Maintenance, 3928 - Rail Traction Power Systems, 3960 - Rail Transit Engineering, and 3962 - SCADA Systems Engineering & Maintenance, Account 50316 -Professional and Technical Services.

These funds will be used for contract task orders to support operating and capital project needs. Since this is a multi-year contract, the cost center manager(s) and project manager(s) will ensure funding needs are budgeted in future years.

Impact to Budget

The source of funds for operating related task orders is Enterprise operating funds. For capital related task orders, the source of funds will be dependent on the specific capital project funding. No other sources of funds were considered for this activity because it supports Maintenance of Way (MOW) engineering operating and capital projects.

ALTERNATIVES CONSIDERED

- 1) Solicit competitive bids for each individual task as it becomes due. This is not recommended as it would require extensive additional staff time to process each request and result in project delays due to the lead time required to complete each procurement cycle. Additionally, procuring these services on a per-assignment basis would impose significant additional burden on the Procurement Department.
- 2) Engage a single, large engineering firm as a "one stop shop". This approach has been used in the past but staff has experienced challenges with getting assistance with smaller projects. The wide range of firms on this bench ensures that Wayside Systems can receive the necessary specialized engineering knowledge, and gives small, disadvantaged firms an opportunity to provide services.
- 3) Utilize existing Engineering staff to provide the required technical support. This is not feasible as the current budgeted MOW Engineering capacity is fully utilized to maintain Metro's existing systems and oversee the development of the new rail lines. Also, there would not be sufficient existing staff to re-assign to provide technical support to the various capital projects concurrently.

NEXT STEPS

Upon Board approval, staff will continue to competitively award individual task orders as needed for engineering and technical support services for wayside systems operating and capital projects.

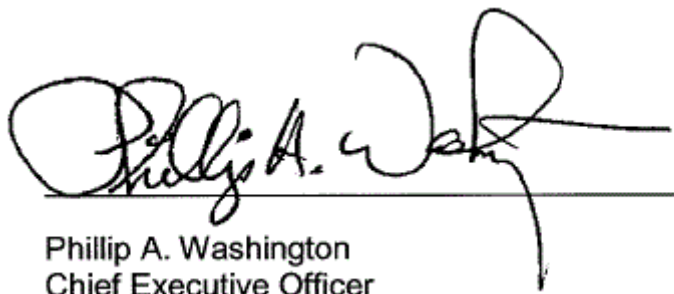
ATTACHMENTS

- Attachment A - Procurement Summary
- Attachment B - List of Proposed Project Uses
- Attachment C - Task Order Log
- Attachment D - DEOD Summary

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Phillip A. Washington
Chief Executive Officer

PROCUREMENT SUMMARY

RAIL OPERATIONS ENGINEERING SUPPORT BENCH/OP39202965

1.	Contract Number: OP39202965 (A through Y)			
2.	Contractor: Rail Operations Engineering Support Bench			
3.	Work Description: Engineering and technical services			
4.	The following data is current as of: October 19, 2016			
5.	Contract Status:			
	Contract Awarded:	April 18, 2013	Board Approved NTE Amount:	\$5,000,000
	Notice To Proceed (NTP):	N/A	Value of Task Orders (Issued and Pending):	\$4,822,506
	Original Complete Date:	March 30, 2018	Pending Approval Amount:	\$4,300,000
	Current Est. Complete Date	March 30, 2018	Total Approved NTE Amount (with this Action):	\$9,300,000
6.	Contract Administrator: Victor Zepeda		Telephone Number: (213) 922-1458	
7.	Project Manager: Kelvin Zan		Telephone Number: (213) 617-6264	

A. Procurement Background

This Board action is to increase the total authorized not-to-exceed amount by \$4,300,000 from \$5,000,000 to \$9,300,000 for continued general engineering and technical work on wayside and capital projects.

Future Contract Task Orders will be processed in accordance with Metro's Acquisition Policy and the contract type (firm fixed price or firm fixed unit price) will be determined with each task order.

On April 18, 2013, Bench Contract Nos. OP39202965 A through Y were awarded to 25 qualified firms.

(Refer to Attachment C – Task Order Log).

B. Cost/Price Analysis

All future task orders and modifications will be determined to be fair and reasonable in accordance with Metro's Acquisition Policy at the time of issuance and award.

ATTACHMENT B

LIST OF PROPOSED PROJECT USES

DESCRIPTION
Metro Blue Line Rail Replacement & Booting
North Long Beach Duct Bank Upgrade Phase II
Metro Green Line UPS for Train Control and Communication Building
Metro Green Line Train Control Track Circuits and TWC Replacement
Metro Green Line Signal System Rehabilitation Phase II
Metro Green Line Emergency Trip System Replacement
Metro Green Line Negative Grounding Devices
Metro Red Line Gas Analyzer Upgrade
Metro Red Line 7th/Metro Turn back Upgrade
Metro Red Line TWC Rehabilitation
Metro Red Line Electronic Access Control / Alarm Monitoring System Replacement
Metro Red/Purple Line Platform Gates Replacement
System Wide Corrosion Protection System Replacement
Metro Gold Line Vehicle Loop Detector Replacement
Metro Gold Line Yard Train Loop Detector
Metro Gold Line Headway Improvements
Fiber Optic Main Loop Upgrade
Digital Rail Radio System
Fire Alarms Control Panel Upgrade
Fare Gates Project
Assessment Inspections of Critical Fire/Life Safety Elements and Infrastructure
Assessment Inspections of Critical Wayside Control and Power Systems
Assessment Inspections of Metro Red Line Segment 1 and 2 Station Ventilation and Electrical

ATTACHMENT C

**TASK ORDER LOG
RAIL OPERATIONS ENGINEERING SUPPORT BENCH/OP39202965**

TASK ORDER LOG VALUE ISSUED TO DATE

Discipline No./Description	Contract No.	Contractor	Value of Task Orders Issued to Date
1/Computer-Aided Drafting & Design	OP39202965-O	Kal Krishnan Consulting Services	\$262,629
		Subtotal	\$262,629
2/Train Control Detailed Design & Programming	OP39202965-H	CH2M Hill	\$119,752
	OP39202965-N	Innovative Solutions in Signaling Consultants	\$305,929
		Subtotal	\$425,681
3/Train Control Design Review	OP39202965-H	CH2M Hill	\$46,328
		Subtotal	\$46,328
4/Communication Design Services	OP39202965-R	Pacific Railway Engineering	\$183,861
		Subtotal	\$183,861
5/Traction Power Relay Calibration	OP39202965-O	Kal Krishnan Consulting Services	\$282,958
		Subtotal	\$282,958
7/Civil Facility Design Services	OP39202965-S	PacRim Engineering	\$371,514
	OP39202965-S	PacRim Engineering	\$761,235
		Subtotal	\$1,132,749
Total Task Orders Awarded to Date			\$2,334,206
Total Pending Task Order Value			\$2,488,300
Total Task Order Value Including Pending			\$4,822,506
Board Authorized Not-to-Exceed (NTE) Cumulative Contract Value			\$5,000,000
Remaining Board Authorized NTE Cumulative Total Value			\$177,494

DEOD SUMMARY

General Engineering Consulting Bench/OP39202965

A. Small Business Participation

There are 25 Primes on the Bench, 14 of which are Disadvantaged Business Enterprise (DBE) firms, and 15 are Small Business Enterprise (SBE) firms. A 45% DBE and SBE commitment applies to the Bench. To date, eight (8) task orders (non-federal) have been awarded to five (5) primes on the bench, four (4) of which are SBEs. Based on the aggregate value of the task order awards, SBE participation is 92.89%, which exceeds the SBE commitment.

	Primes & Subcontractors	Current SBE Participation
1	CH2M (Prime)	
	SBE Subcontractors:	
	1) ALINC Consulting, Inc	0%
	2) Anil Verma Associates, Inc.	0%
	3) Auriga Corporation	0%
	4) EW Moon Inc	0%
	5) G C Tech, Inc.	0%
	6) J.L. Patterson & Associates, Inc.	0%
	7) Five 23 Group, Inc	0%
	8) Pacific Railway Enterprises, Inc	0%
	9) Triunity Engineering & Management, Inc.	0%
	10) Virginkar & Associates, Inc.	0%
	Subtotal	0%
2	Innovative Solutions in Signaling Consultants, LLC (SBE Prime)	13.11%
	Subtotal	13.11%
3	Kal Krishnan Consulting (SBE Prime)	23.27%
	Subtotal	23.37%
4	Pacific Railway Enterprises, Inc (SBE Prime)	7.88%
	SBE Subcontractors:	
	Convergent Communications, Inc.	0%
	Kal Krishnan Consulting	0%
	Subtotal	7.88%
5	PacRim Engineering, Inc. (SBE Prime)	48.53%
	Subtotal	48.53%
	TOTAL	92.89%

B. Prevailing Wage Applicability

Prevailing wage is not applicable to this modification.

C. Living Wage Service Contract Worker Retention Policy

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

D. Project Labor Agreement/Construction Careers Policy

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