Los Angeles County
Metropolitan Transportation
Authority
One Gateway Plaza
3rd Floor Board Room
Los Angeles, CA

File #: 2019-0728, **File Type:** Contract **Agenda Number:** 23.

**OPERATIONS, SAFETY, AND CUSTOMER EXPERIENCE COMMITTEE
NOVEMBER 21, 2019**

SUBJECT: ENGINEERING SUPPORT FOR RAIL MAINTENANCE SERVICES

ACTION: APPROVE CONTRACT MODIFICATION

RECOMMENDATION

AUTHORIZE the Chief Executive Officer to execute Contract Modification No. 4 to Contract No. PS46172000, with Gannett Fleming Transit & Rail Systems, for engineering support of rail maintenance to exercise the first-year option, for an amount of $5,000,000, increasing the total contract not-to-exceed amount from $16,000,000 to $21,000,000, through April 2021.

ISSUE

Metro Maintenance and Engineering has limited scope and depth of engineering and technical resources to develop and execute capital projects and meet the day-to-day engineering needs necessary to maintain and improve railway infrastructure assets and systems. Contract No. PS46172000 has been providing significant engineering support that's enabled Metro to augment internal resources on an on-call basis in situations where either Metro does not have sufficient capacity or the expertise necessary to perform a task.

The base term for Contract No. PS46172000 is approaching its initial contract authority. A contract modification is required to exercise the first-year option to continue providing engineering support.

BACKGROUND

In April 2018, the Board of Directors approved the award of Contract No. PS46172000 for Rail Maintenance and Engineering support in a total not-to exceed amount of $31,000,000, inclusive of $16,000,000 for the initial two-year base, and $5,000,000 for each of the three, one-year options. This task order based contract provides for a range of services that includes train control, traction power, communications, track, mechanical, electrical, plumbing, civil design, and fare collection. Also included are support services for project management, construction management, and computer aided design and drafting (CADD).

DISCUSSION

The State of Good Repair (SGR) for the Maintenance of Way and Facilities Maintenance work

program is approximately $21 million per fiscal year. Maintenance and Engineering has determined that a support cost of 10-15% is reasonable in order to deliver capital projects on time and on budget. Contract No.PS46172000 is presently in the second of the two base years and has awarded task orders totaling $14,615,000 to date.

A Disadvantaged Business Enterprise (DBE) commitment of 25% was established as part of this contract. The DBE participation is based on the aggregate of all task orders awarded. To date, Gannett Fleming Transit & Rail Systems has 62.28% DBE participation by subcontracting to DBE certified firms.

This contract continues to support the planning, implementation, and execution of SGR projects. Refer to Attachment A for a list of SGR projects this contract is supporting.

Prior to each task order authorization, Maintenance and Engineering develops the scope of work, schedule and independent cost estimate. Metro's Vendor/Contract Management (V/CM) will then request proposal details and pricing information and negotiate a fair and reasonable amount in accordance with agreed upon Metro terms and conditions.

DETERMINATION OF SAFETY IMPACT

The engineering support services for rail maintenance are not directly related to a specific safety issue. However, the services provided via this contract will contribute to maintaining the transit system in a state of good repair as recommended by Metro's Transit Asset Management (TAM) Plan, which is essential to providing a safe and reliable service for riders who use the Metro rail system daily.

FINANCIAL IMPACT

The total for the first-year option is $5,000,000. For FY20, funding is included in the operating and capital project budget(s) under various cost centers and projects, including cost centers: 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 3929 - Rail MOW Engineering, Account 50316 -Professional and Technical Services. As additional task orders become necessary to execute, they will be funded through the appropriate capital projects.

Since this is a multi-year contract, the Project Manager will ensure that the balance of funds is budgeted in future fiscal years.

Impact to Budget

The source of funds for this action are Federal, State, and Local funds including fares that are eligible for Operations and Maintenance. For capital related task orders, the source of funds will be dependent on the specific capital project funding. Use of all related funding will maximize the use of allowable funding allocations given approved funding guidelines and provisions.

IMPLEMENTATION OF STRATEGIC PLAN GOALS

Approval of this recommendation supports the following Metro Strategic Plan Goals:

1. Provide high-quality mobility options that enable people to spend less time traveling.
2. Deliver outstanding trip experiences for all users of the transportation system.

This engineering support services contract will help maintain safety, service and reliability standards in an effort to provide a world-class transportation system that enhances quality of life for all who live, work, and play within Los Angeles County.

ALTERNATIVES CONSIDERED

1) Solicit competitive bids for each individual task order as it becomes required. 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 additional burden on the Vendor/Contract Management (V/CM) department.

2) 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 acceptance 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 execute Modification No. 4 to Contract No. PS46172000 with Gannett Fleming Transit & Rail Systems to provide engineering support for Rail Maintenance and Engineering on an as needed, task-orders basis.

ATTACHMENTS

Attachment A - List of Supported Project Uses
Attachment B - Procurement Summary
Attachment C - Contract Modification/Change Order Log
Attachment D - DEOD Summary

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Phillip A. Washington
Chief Executive Officer

ATTACHMENT A

LIST OF SUPPORTED PROJECT USES

ENGINEERING SUPPORT FOR RAIL MAINTENANCE SERVICES / PS46172000

Description
Support for Door Enable System
Project to implement an Overhead Catenary System (OCS) Monitoring System
Support for MRL Gas Analyzer Upgrade Project
Project to upgrade Transit Passenger Information System (TPIS)
Support for various TPSS/COM/TP/UPS Battery Replacement Projects
Computer Aided Design (CAD) Support to Capture System Configuration
Project for SCADA to monitor Manual and Motor Operated OCS Section Switches
Project for Communication Based Train Control (CBTC) Upgrade to EXPO Line
Support for Corrosion Protection Project
Support for System Security and Law Enforcement Projects
Support for MGL Train Control and TWC Replacement Project
Support for Bus and Rail Facility Maintenance Projects
Support for MRL Train to Wayside Communication (TWC) Rehabilitation Project
Support for Radio Replacement Project
Support for Rehabilitation of MBL Emergency Trip System (ETS) Project
Support for various Rail Maintenance and Engineering Initiatives
Support for Rail Maintenance and Engineering Acceptance of Various Mega Projects
Support for Rail Maintenance and Engineering Capital Program
Support for various Safe-7 projects
Support for Analysis of Traction Power system along Red / Purple Line trunked corridor
Assessments and Inspections of Critical Fire/Life/Safety Elements and Infrastructure
Assessments and Inspections of Critical Wayside Control and Power Systems

PROCUREMENT SUMMARY

ENGINEERING SUPPORT FOR RAIL MAINTENANCE SERVICES / PS46172000

1.	**Contract Number**: PS46172000			
2.	**Contractor**: Gannett Fleming Transit & Rail Systems			
3.	**Work Description**: Exercise Option Year 1 for On-Call Engineering Support Services in support of Maintenance of Way projects.			
4.	**Contract Work Description**: On-Call Engineering Support Services in support of Maintenance of Way projects.			
5.	**The following data is current as of**: October 14, 2019			
6.	**Contract Completion Status**		**Financial Status**	
	Contract Awarded:	April 26, 2018	**Contract Award Amount:**	$16,000,000
	Notice to Proceed (NTP):	N/A	**Total of Modifications Approved:**	$0
	Original Complete Date:	April 26, 2020	**Pending Modifications (including this action):**	$5,000,000
	Current Est. Complete Date:	April 26, 2021	**Current Contract Value (with this action):**	$21,000,000
7.	**Contract Administrator**: Victor Zepeda		**Telephone Number**: (213) 922-1458	
8.	**Project Manager**: Marshall Epler		**Telephone Number**: (213) 617-6232	

A. Procurement Background

This Board Action is to authorize the CEO to approve Contract Modification No. 4 to exercise option year one in support of Rail Maintenance and Engineering to continue providing the engineering and rail maintenance support, extending the period of performance through April 2021.

This Contract Modification will be processed in accordance with Metro's Acquisition Policy and the contract type is firm fixed unit rates.

On April 26, 2018, the Board approved a two-year base, and three, one-year options Contract No. PS46172000 to provide on-call engineering support services on a task order basis with Gannett Fleming Transit & Rail Systems, in an amount not-to-exceed $16,000,000 for the two-year base.

Refer to Attachment C, Contract Modification/Change 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 C

CONTRACT MODIFICATION/CHANGE ORDER LOG

ENGINEERING SUPPORT FOR RAIL MAINTENANCE SERVICES / PS46172000

Mod. No.	Description	Status (approved or pending)	Date	Amount
1	Revise the Approved Subcontractors (SP-04), revise the insurance requirements to minimize Metro's risk, and revise the approved unit rates for the newly added Subcontractors.	Approved	10/22/18	$0.00
2	Revise the Approved Subcontractors and revise the approved unit rates for the newly added Subcontractors.	Approved	2/11/19	$0.00
3	Revise the approved unit rates for Year 2 and adjust the retention rate.	Approved	6/11/19	$0.00
4	**Exercise Option Year 1 extending Period of Performance through April 2021.**	**PENDING**	**12/5/19**	**$5,000,000**
	Modification Total:			**$5,000,000**
	Original Contract:		4/26/18	**$16,000,000**
	Total:			**$21,000,000**

DEOD SUMMARY

ENGINEERING SUPPORT FOR RAIL MAINTENANCE SERVICES / PS46172000

A. Small Business Participation

DEOD established a 25% Disadvantaged Business Enterprise (DBE) goal for this Task Order contract for the participation of DBE certified firms. Gannet Fleming made a 25% DBE overall commitment for this contract. The overall DBE participation is based on the cumulative value of all task orders issued.

To date, thirty-four (34) task orders have been awarded. Based on payments reported, Gannet Fleming is exceeding its commitment with a DBE participation of 62.28%.

Small Business Commitment	**25% DBE**	**Small Business Participation**	**62.28% DBE**

	DBE Subcontractors	**Ethnicity**	**Current Participation[1]**
1.	Acumen Building Enterprise	African American	4.34%
2.	Armand Consulting	Caucasian Female	11.64%
3.	C2PM, Inc.	Asian Pacific American	12.20%
4.	Colmena Engineering	Hispanic American	9.06%
5.	GC Tech, Inc.	African American	7.90%
6.	Mammoth Associates, LLC	Caucasian Female	5.83%
7.	Pacific Railway Enterprises	Caucasian Female	5.36%
8.	PacRim Engineering Inc.	Asian Pacific American	4.51%
9.	Rani Engineering, Inc.	Hispanic American	1.44%
		Total	**62.28%**

[1]Current Participation = Total Actual amount Paid-to-Date to DBE firms ÷Total Actual Amount Paid-to-date to Prime.

B. Living Wage and Service Contract Worker Retention Policy Applicability

The Living Wage and Service Contract Worker Retention Policy (LW/SCWRP) is not applicable to this contract.

C. Prevailing Wage Applicability

Prevailing Wage requirements are applicable to this project. DEOD will continue to monitor contractors' compliance with the State of California Department of Industrial Relations (DIR), California Labor Code, and, if federally funded, the U S Department of Labor (DOL) Davis Bacon and Related Acts (DBRA).Trades that may be covered

include: surveying, potholing, field, soils and materials testing, building construction inspection, construction management and other support trades.

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.