



METROPOLITAN
TRANSPORTATION
COMMISSION

Agenda Item 2c
Bay Area Metro Center
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Memorandum

TO: Operations Committee

DATE: December 1, 2017

FR: Executive Director

W.I. 1237

RE: Contract – Technical Assistance for I-880 Adaptive Ramp Metering Implementation Planning: Parsons Transportation Group (\$232,000)

Summary

This memorandum requests Committee approval for a contract with Parsons Transportation Group to provide transportation planning and engineering services for MTC's I-880 Adaptive Ramp Metering Implementation Planning project in an amount not to exceed \$232,000.

Background

Interstate 880 (I-880) is one of the most congested corridors in the Bay Area. Traditional ramp meters have been implemented and activated along a majority of the corridor. The operations of the existing ramp metering system is based on local traffic conditions upstream of the metered on-ramp, using metering rates that were developed from typical historical traffic data. In order to more effectively manage the freeway corridor as a whole, upgrading to an adaptive ramp metering system is being proposed along this corridor between the I-280 interchange in Santa Clara County and the West Grand Avenue interchange in Alameda County.

Adaptive ramp metering on a corridor level provides additional benefits compared to traditional ramp meters, including, but not limited to: providing a corridor management system that accounts for real-time upstream and/or downstream traffic congestion; enabling the ramp metering system to adapt to varying traffic demands due to seasonal variation, weekend congestion, traffic growth or travel pattern changes over time; and more effectively managing freeway incidents.

Selection Process

In February 2016, MTC issued a Request for Qualifications (RFQ) to pre-qualify firms to provide on-call transportation engineering and planning services to support various Service Categories, including:

- a) Freeway Active Traffic Management
- b) Travel Demand Management
- c) Connected Vehicles/Autonomous Vehicles and Advanced Technology
- d) Data Analytics and Performance Assessments
- e) Arterial Operations
- f) General Planning

At its June 10, 2016 meeting, the Operations Committee approved a competitively pre-qualified panel of 14 consultants to provide on-call transportation engineering and planning services in the Freeway Active Traffic Management service category on an as-needed basis.

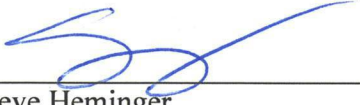
On September 18, 2017, MTC issued a Request for Qualifications and invited all 14 pre-qualified consultants to submit Statements of Qualifications (SOQs) for the I-880 Adaptive Ramp Metering Implementation Planning project. MTC received SOQs from two firms: Kimley-Horn and Associates, Inc. and Parsons Transportation Group. A panel of MTC staff reviewed the SOQs and evaluated them based on each firm's qualifications, understanding of the project, proposed work plan to complete the work, and written communication, in descending order of importance. Based upon this evaluation, staff recommends the selection of Parsons Transportation Group. The table below provides the final ranking based upon panel evaluations:

Consultant	Ranking
1. Parsons Transportation Group	1
2. Kimley-Horn and Associates, Inc.	2

Attachment A includes a summary of Parsons Transportation Group and its subcontractors' small business and disadvantaged business enterprise status.

Recommendation

Staff recommends that the Committee authorize the Executive Director or his designee to negotiate and enter into a contract in an amount not to exceed \$232,000 with Parsons Transportation Group, the top-ranked firm to provide on-call transportation planning and engineering services for the I-880 Adaptive Ramp Metering Implementation Planning project.



Steve Heminger

Attachment:

- Attachment A: Parsons Transportation Group Team Small Business Enterprise and Disadvantaged Business Enterprise Status

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Parsons Transportation Group Team
Small Business Enterprise and
Disadvantaged Business Enterprise Status

Firm Name	Role on Project	DBE* Firm			SBE** Firm		
		Yes	If Yes, List #	No	Yes	If Yes, List #	No
Parsons Transportation Group	Project Management and Implementation Plan Development			X			X
TJKM	Traffic Analysis	X	40772				X

*Denotes certification by the California Unified Certification Program (CUCP).

**Denotes certification by the State of California.

REQUEST FOR COMMITTEE APPROVAL
Summary of Proposed Contract

Work Item No.:	1237
Contractor:	Parsons Transportation Group La Palma, CA
Work Project Title:	I-880 Adaptive Ramp Metering Implementation Planning Project
Purpose of Project:	Technical assistance with planning for implementation of adaptive ramp metering on the I-880 corridor.
Brief Scope of Work:	Develop an adaptive ramp metering implementation plan for the I-880 corridor, including phasing the timing. Perform an assessment of infrastructure needs such as detection and communication system upgrades to support an adaptive ramp metering implementation.
Project Cost Not to Exceed:	\$232,000
Funding Source:	STP
Fiscal Impact:	Funding is included in the FY 2017-18 MTC Budget.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract with Parsons Transportation Group to provide on-call transportation planning services as described above and in the Executive Director's memorandum dated December 1, 2017, and the Chief Financial Officer is directed to set aside funds in the amount of \$232,000 for such contract.
Operations Committee:	<hr/> Dave Cortese, Chair
Approved:	Date: December 8, 2017