

**Metropolitan Transportation Commission
Operations Committee**

June 14, 2019

Agenda Item 4c

Contract Amendment – Transportation Engineering and Planning Services, Technical Assistance for I-880 Adaptive Ramp Metering Implementation: Parsons Transportation Group (\$850,000)

Subject: Contract Amendment - Transportation Engineering and Planning Services: Technical Assistance for I-880 Adaptive Ramp Metering Implementation: Parsons Transportation Group (PTG).

Background: Interstate 880 (I-880) is one of the most congested corridors in the Bay Area. Traditional fixed time-of-day ramp meters have been implemented and activated along a majority of the corridor. The operations of the existing ramp metering system are based on local traffic conditions upstream of the metered on-ramp, using metering rates that were developed from typical historical traffic data.

To more effectively manage the I-880 freeway corridor as a whole, MTC and Caltrans staff propose to upgrade the existing fixed metering system to an adaptive ramp metering system between the I-280 interchange in Santa Clara County and the West Grand Avenue interchange in Alameda County. Implementation of Adaptive Ramp Metering (ARM) throughout the corridor provides greater benefits than fixed meters, including 1) providing a corridor management system that accounts for real-time upstream and/or downstream traffic congestion; 2) enabling the metering system to adapt to varying traffic demands due to seasonal variation, weekend congestion, traffic growth or travel pattern changes over time; and 3) more effectively managing freeway incidents. Caltrans is currently operating ARM on the I-80 corridor in Alameda and Contra Costa Counties as part of the I-80 Integrated Corridor Management project.

In June 2016, the Operations Committee approved a competitively-procured, pre-qualified panel of consultants to provide on-call transportation engineering and planning services under the various service categories through June 30, 2019, with an option on the part of MTC to extend through June 30, 2021. In December 2017, after a competitive procurement process with the pre-qualified consultants, the Operations Committee authorized the Executive Director to negotiate and enter into a contract with PTG to provide support for the I-880 Adaptive Ramp Metering project.

PTG has completed the first phase of the I-880 ARM project, which includes the development of an implementation plan and an assessment of existing conditions, and system upgrade needs.

Under the proposed contract amendment, PTG will provide technical assistance in the implementation of adaptive ramp metering on the I-880 corridor, including Active Traffic Management System (ATMS) software development, system integration, and acceptance testing. PTG will provide ATMS training, software and systems support for six months after ATMS acceptance testing is completed. PTG will also design and build performance monitoring metrics for the project.

Attachment A includes a summary of PTG and its project team's small business and disadvantaged business enterprise status.

The approved period of performance for the on-call transportation and engineering planning bench is through June 30, 2019, with an option to extend for two additional years.

Issues: None identified.

Recommendation: Staff recommends that the Operations Committee authorize the Executive Director or designee to negotiate and enter into a contract amendment with PTG in an amount not to exceed \$850,000 for the above-described work, and to extend the period of performance to June 30, 2021.

Attachments: Attachment A: Contractor DBE and SBE Status


Therese W. McMillan

	Firm Name	Role on Project	DBE* Firm			SBE** Firm	
			Yes	If Yes, List #	No	Yes	If Yes, List # No
Prime Contractor	Parsons Transportation Group	Technical Assistance for I-880 Adaptive Ramp Metering Implementation			X		X
Subcontractor	Elite Transportation Group	Field Observations and Data Collection	X	45726		X	2011002

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

**Denotes certification by the State of California.

REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Contract Amendment

Work Item No.:	1237
Consultant:	Parsons Transportation Group La Palma, CA
Work Project Title:	I-880 Adaptive Ramp Metering Implementation
Purpose of Project:	Technical assistance for implementation of adaptive ramp metering on the I-880 corridor
Brief Scope of Work:	Provide technical assistance in the implementation of adaptive ramp metering on the I-880 corridor, including Active Traffic Management System (ATMS) software development, system integration, and acceptance testing. Provide ATMS training, software and systems support for six months after ATMS acceptance testing is completed. Design and build performance monitoring metrics for the project.
Project Cost Not to Exceed:	\$850,000 (this Amendment) Total Contract before this amendment: \$232,000 Total Authorized Contract after this amendment: \$1,082,000
Funding Source:	STP
Fiscal Impact:	Funding is included in the FY 2018-19 MTC Budget
Motion by Committee:	That the Executive Director or designee is authorized to negotiate and enter into a contract amendment with Parsons Transportation Group to provide on-call transportation planning services described above and in the Operations Committee Summary Sheet dated June 14, 2019 and that the Chief Financial Officer is authorized to set aside \$850,000 for such amendment.
Operations Committee:	Dave Cortese, Chair
Approved:	Date: June 14, 2019