

**Metropolitan Transportation Commission  
Operations Committee**

**March 10, 2023**

**Agenda Item 4d**

**Contract – US-101 Adaptive Ramp Metering Planning and Implementation – Parsons  
Transportation Group, Inc. (\$1,387,578.23)**

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**Subject:**

A contract with Parsons Transportation Group, Inc. (PTG) to assist with the US-101 Adaptive Ramp Metering (ARM) Planning and Implementation Project (Project) on US-101 in Santa Clara and San Mateo Counties in an amount not to exceed \$1,387,578.23.

**Background**

The US-101 corridor is one of the most congested corridors in the Bay Area. Traditional ramp meters with pre-set time of day plans have been implemented and activated along a majority of the corridor. MTC and Caltrans staff will upgrade this system to an ARM system on the US-101 corridor between the San Mateo/San Francisco County line to the north and the City of Morgan Hill in Santa Clara County to the south. The ARM system will provide the following benefits: 1) more effectively manage the US-101 corridor as a whole; 2) enable the metering system to adapt to varying traffic demands due to seasonal variations, travel pattern changes, and traffic growth over time; and, 3) improve responsiveness to incidents. Caltrans is currently operating ARM on the I-80 corridor in Alameda and Contra Costa Counties and the I-880 corridor in Alameda and Santa Clara Counties.

**Procurement Process:**

In July 2021, after a competitive procurement process, the Operations Committee approved the 2021 Transportation Engineering and Planning Services Bench (2021 TEP Bench) comprised of 38 pre-qualified firms divided among five service categories. On October 21, 2022, MTC issued a Request for Proposal (RFP) to hire a consultant to assist with the planning and implementation of the US-101 ARM Project to 23 pre-qualified firms on the 2021 TEP Bench under Service Category A: Freeway Operations, Data Analytics and Performance Assessments. The deadline to submit proposals closed on November 28, 2022. MTC received one proposal from PTG.

An evaluation panel consisting of MTC and Caltrans staff reviewed the proposal based on the following criteria: 1) qualifications and experience; 2) approach; 3) price; 4) cost effectiveness; and, 5) presentation. The evaluation panel determined that PTG is qualified for the Project based on their experience with supporting Caltrans and MTC with the implementation of ARM on the I-80 and I-880 corridors. Staff considered re-issuing the RFP for the Project due to the low number of proposals received but felt confident that a new procurement would not yield different results, especially considering PTG's strong qualifications for the project.

PTG is neither a small business nor a disadvantaged business enterprise (DBE). The subconsultant, Elite Transportation Group, is a certified DBE firm.

**Issues:**

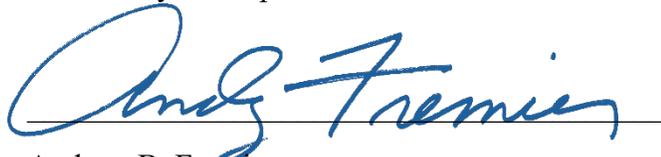
None identified.

**Recommendations:**

Staff recommends that the Operations Committee authorize the Executive Director or designee to negotiate and enter into a contract with PTG in an amount not to exceed \$1,387,578.23 for the above-described work.

**Attachments:**

- Attachment A: Disadvantaged Business Enterprise and Small Business Enterprise Status
- Request for Committee Approval - Summary of Proposed Contract

  
Andrew B. Fremier

Attachment A

**Disadvantaged Business Enterprise and Small Business Enterprise Status**

	<b>Firm Name</b>	<b>Role on Project</b>	<b>DBE* Yes / No</b>	<b>If DBE Yes, List #</b>	<b>SBE** Yes / No</b>	<b>If SBE Yes, List #</b>
Prime Contractor	Parsons Transportation Group, Inc.	Project management, ARM planning and implementation, field observation, and technical support and training	No		No	
Subcontractor	Elite Transportation Group	Traffic conditions assessment and evaluation studies	Yes	45726	Yes	2011002
Subcontractor	Bear Electrical Solutions	Infrastructure repair/field troubleshooting	No		No	

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

\*\*Denotes certification by the State of California.

## Request for Committee Approval

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### Summary of Proposed Contract

Work Item No.: 2661  
Parsons Transportation Group, Inc.  
Oakland, California

Work Project Title: US-101 Adaptive Ramp Metering (ARM) Planning and Implementation

Purpose of Project: To plan and implement Adaptive Ramp Metering at ramp meters on US-101 in Santa Clara and San Mateo Counties.

Brief Scope of Work: The consultant provides technical assistance for the planning and implementation of Adaptive Ramp Metering (ARM) on the US-101 corridor in Santa Clara and San Mateo Counties. The project limits encompass US-101 between the San Mateo/San Francisco County line to the north and the City of Morgan Hill in Santa Clara County to the south.

Project Cost Not to Exceed: \$1,387,578.23

Funding Source: Congestion Management and Air Quality / Surface Transportation Program Funding

Fiscal Impact: Funding is included in the FY 2022-23 MTC budget.

Motion by Committee: That the Executive Director or designee is authorized to negotiate and enter into a contract with Parsons Transportation Group, Inc. to provide technical assistance services described above and in the Operations Committee Summary Sheet dated March 10, 2023 and that the Chief Financial Officer is authorized to set aside \$1,387,578.23 for such contract.

Operations Committee:

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Carol Dutra-Vernaci, Chair

Approved: March 10, 2023