

**Metropolitan Transportation Commission
Regional Network Management Committee**

December 12, 2025

Agenda Item 2d

Contract – United States Highway 101 (US 101) (Marin and Sonoma) and Interstate 80 (I-80) (Solano) Adaptive Ramp Metering Planning and Implementation: Parsons Transportation Group, Inc. (\$1,400,000)

Subject:

Request for approval of a contract with Parsons Transportation Group, Inc. (Parsons) to assist with the following Adaptive Ramp Metering Planning and Implementation for US-101 in Marin and Sonoma Counties, and I-80 in Solano County.

Background:

Traditional ramp metering systems with pre-set time-of-day plans have been implemented and activated along both corridors. The adaptive ramp metering system will provide the following benefits: 1) more effectively manage the US-101 and I-80 Solano corridors as a whole; 2) enable the ramp meters 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 adaptive ramp metering on the I-80 corridor in Alameda and Contra Costa Counties, the I-880 corridor in Alameda and Santa Clara Counties, and the US-101 corridor in San Mateo and Santa Clara Counties.

To complement the recent changes to high occupancy vehicle (HOV) lane hours on US-101 in Marin and Sonoma Counties, adaptive ramp metering is proposed as an additional strategy to improve corridor operations. Implementation will initially focus on ten northbound ramps in Marin County between Spencer Avenue and Sir Francis Drake Boulevard, based on the availability of field equipment and current funding. Adaptive ramp metering on the remaining portions of the corridor will be implemented as field equipment becomes ready and as future funding is secured.

Adaptive ramp metering implementation on I-80 in Solano County is proposed as a complementary operational improvement strategy to support the upcoming Express Lane operations on this corridor, which includes a new express lane, HOV lanes to Express Lanes conversion, and weekend hours of operations.

Procurement Process:

Staff recommends the direct selection of Parsons from the 2021 Transportation Engineering and Planning Services Bench (“Bench”) under Category A: Freeway Operations, Data Analytics, and Performance Assessments for a contract covering both adaptive ramp metering tasks for the following reasons:

- In 2022, MTC conducted a mini-RFP to the Bench for the San Mateo/Santa Clara US 101 Adaptive Ramp Metering Planning and Implementation project. Parsons was the only firm that responded, indicating a lack of interest from other potential firms. A new mini procurement for these two adaptive ramp metering tasks is unlikely to result in a different outcome.
- Parsons has extensive and demonstrated experience with adaptive ramp metering in the Bay Area, including planning, implementation, and performance evaluation for I-80, I-880, and US-101. They also possess most knowledge of Caltrans District 4’s Advanced Transportation Management System (ATMS) infrastructure and are recognized by Caltrans as a preferred consultant. Other Bench firms do not have comparable capabilities.
- Parsons’ continuous involvement in Bay Area adaptive ramp metering over the last 7 years has fostered deep integration with MTC and Caltrans staff. They ensure seamless service continuity because they are already aligned with the region's operational protocols and data standards. Replacing this established team would introduce delivery risk, as a new firm would need to rebuild these working relationships and technical baselines from scratch, resulting in delays. Attachment A includes a summary of Parsons and its project team’s small business enterprise (SBE) status.

Issues:

None identified.

Recommendations:

Staff recommends that the MTC Regional Network Management Committee authorize the Executive Director or designee to negotiate and enter into a contract with Parsons in an amount not to exceed \$1,400,000.

Attachments:

- Attachment A: Small Business Enterprise Status
 - Attachment B: Request for Committee Approval – Summary of Proposed Contract Amendment



Andrew B. Fremier

Small Business Enterprise Status

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

*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.:	2669 (US-101), 2670 (I-80)
Consultant:	Parsons Transportation Group, Inc. Oakland, CA
Work Project Title:	US-101 (Marin and Sonoma) and I-80 (Solano) Adaptive Ramp Metering Implementation
Purpose of Project:	To plan and implement Adaptive Ramp Metering on US-101 in Marin and Sonoma Counties and on I-80 in Solano County.
Brief Scope of Work:	For US-101 in Marin and Sonoma Counties, the scope includes corridor-wide planning, with initial adaptive ramp metering implementation focused on ten northbound ramps in Marin County. For the I-80 corridor, the scope includes adaptive ramp metering planning and implementation in Solano County.
Project Cost Not to Exceed:	\$1,400,000
Funding Source:	CMAQ/STP
Fiscal Impact:	Funding is included in the FY 2025-26 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 the technical assistance services described above and in the Regional Network Management Committee Summary Sheet dated December 12, 2025 and that the Chief Financial Officer is authorized to set aside \$1,400,000 for such contract.
Regional Network Management Committee:	<hr/> Alicia John-Baptiste, Chair
Approved:	December 12, 2025