

Metropolitan Transportation Commission Operations Committee

September 13, 2019

Agenda Item 4e

Contract Amendment – Transportation Engineering and Planning Services: Technical Assistance for Santa Clara US -101 Northbound Ramp Metering Implementation: Kimley-Horn and Associates, Inc. (\$297,000)

Subject: Contract Amendment – Transportation Engineering and Planning Services: Technical Assistance for Santa Clara US -101 Northbound Ramp Metering Implementation: Kimley-Horn and Associates, Inc. (\$297,000).

Background: MTC's Freeway Performance Initiative (FPI) provided oversight and funding to Caltrans and Santa Clara Valley Transportation Authority to install ramp meters and deploy traffic operations infrastructure to smooth traffic and reduce incidents related to mergers onto the US 101 freeway. In October 2015, meters were activated at 15 northbound on-ramps and 13 on-ramps between US 101/SR 85 interchange in San Jose and US 101/SR 25 interchange in Gilroy. While ramp meters have been installed and activated over time along the majority of the corridor, there are nine northbound on-ramps with existing ramp metering equipment installed but not yet activated between North Fair Oaks Avenue and Embarcadero Road in Santa Clara County. Now under the Bay Area Forward – Freeway Performance Program, MTC will be working in partnership with Caltrans and the Santa Clara Valley Transportation Authority to fund the implementation plan and activate these nine ramp meters.

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.

On July 23, 2019, MTC issued a Request for Proposal (RFP) and invited all 14 pre-qualified consultants under the Freeway Active Traffic Management service category A to submit proposals for the Santa Clara US-101 Northbound Ramp Metering Implementation project. The two proposals MTC received in response to the RFP were from Kimley-Horn and Associates, Inc. (KHA) and Parsons Transportation Group.

A panel consisting of staff from MTC and Caltrans District 4 performed a review and evaluation of the proposals based on the firm's approach to completing the project, qualifications and experiences of the team, management of resources and schedule, cost, cost-effectiveness and written communication. After consideration and evaluation, MTC staff recommends award of the contract to KHA. KHA and its subconsultants have demonstrated extensive experience in similar types of projects and knowledge of the Santa Clara US-101 corridor.

The scope of work to be completed under this contract amendment includes detailed field data collection and observations, calibration of a traffic simulation model for use in developing metering rates, outreach meetings with stakeholders, provision of field staff to support Caltrans during the initial weeks of activation, and conducting a before and after ramp metering study to determine project

benefits. The level of effort required for this project is consistent with recently completed ramp metering implementations in the Bay Area.

Attachment A includes a summary of KHA and its subcontractors' Small Business Enterprise and Disadvantaged Business Enterprise status.

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 KHA in an amount not to exceed \$297,000 for the above-described work.

Attachments: Attachment A: Contractor DBE and SBE Status



Therese W. McMillan

Kimley-Horn & Associates Inc. 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
Kimley-Horn and Associates, Inc.	Project Management, Traffic Operations Analysis, Ramp Metering Implementation Plan, Before and After Studies			X			X
Wiltec, Inc. (Subcontractor)	Data Collection	X	8440		X	1483	
All Traffic Data/National Data & Surveying Services (ATD/NDS)	Data Collection			X			X
Quality Counts (Subcontractor)	Data Collection			X			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 Amendment

Work Item No.:	1237
Consultant:	Kimley-Horn and Associates, Inc. Pleasanton, CA
Work Project Title:	Santa Clara US-101 Ramp Metering Implementation
Purpose of Project:	Develop ramp metering implementation plan and conduct before and after studies for US-101 corridor in Santa Clara County for the ramp meters which have been installed along the corridor but have yet to be activated.
Brief Scope of Work:	There are nine on-ramps with existing ramp metering equipment installed but the meters have not been activated along US-101 northbound direction between “The Alameda”/SR 82 and the Montague Expressway interchanges in Santa Clara County. MTC and Caltrans will activate these nine ramp meters. Ramp Metering Rates and Activation Plan will be developed through this project based on the existing condition assessment, modeling and traffic analysis.
Project Cost Not to Exceed:	\$297,000 (this Amendment) Total Contract before this amendment: \$3,367,200 Total Authorized Contract after this amendment: \$3,664,200
Funding Source:	STP
Fiscal Impact:	Funding is included in the FY 2019-20 MTC Budget
Motion by Committee:	That the Executive Director or designee is authorized to negotiate and enter into a contract amendment with Kimley-Horn and Associates, Inc. to provide on-call transportation planning services described above and in the Operations Committee Summary Sheet dated September 13, 2019 and that the Chief Financial Officer is authorized to set aside \$297,000 for such amendment.
Operations Committee:	<hr/> Dave Cortese, Chair
Approved:	Date: September 13, 2019