



METROPOLITAN  
TRANSPORTATION  
COMMISSION

**Agenda Item 2c**  
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## *Memorandum*

TO: Operations Committee

DATE: September 7, 2018

FR: Executive Director

W.I. 1237

RE: Contract Amendment – Transportation Engineering and Planning Services: Technical Assistance for Santa Clara I-880 Northbound Ramp Metering Implementation: Kimley-Horn and Associates, Inc. (KHA) (\$240,000)

This memorandum requests Committee approval for a contract amendment with KHA to provide transportation engineering and traffic analysis services for MTC's Santa Clara I-880 Northbound Ramp Metering Implementation in an amount not to exceed \$240,000.

### **Background**

Interstate 880 (I-880) is one of the most congested corridors in the Bay Area. While ramp meters have been implemented along a majority of the corridor to improve traffic operations, there are eight on-ramps with existing ramp metering equipment installed but not yet activated along northbound I-880 between "The Alameda"/State Route 82 and the Montague Expressway interchanges in Santa Clara County. MTC will be working in partnership with Caltrans and Santa Clara Valley Transportation Authority to activate these eight ramp meters.

### **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 consultants to provide on-call transportation engineering and planning services under the various service categories on an as-needed basis.

On June 11, 2018, 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 I-880 Northbound Ramp Metering Implementation project. The only proposal MTC received as a result of the RFP was from KHA.

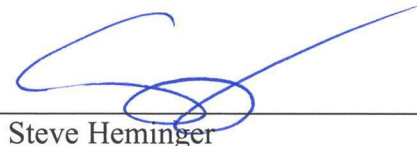
A panel consisting of staff from MTC and Caltrans District 4 performed a review and evaluation of the proposal based on the firm's understanding of the project, qualifications and experiences of the team, management of resources and schedule, cost, cost-effectiveness and written communication. After 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 I-880 corridor.

The scope of work to be completed under this contract amendment includes detailed field data collection and observations on existing conditions, calibration of a traffic simulation model for use of metering rate plan development, conducting meetings with stakeholders along this corridor, providing field support staff in observing and fine-tuning metering rates with Caltrans during the initial weeks of ramp metering activation, and conducting a before and after ramp metering study on this corridor. The level of effort required for this project is consistent with other 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.

### **Recommendation**

Staff recommends that the Committee authorize the Executive Director or his designated representative to negotiate and enter into a contract amendment with KHA to support transportation engineering, design, and traffic analyses for MTC's Santa Clara I-880 Northbound Ramp Metering Implementation project in an amount not to exceed \$240,000.



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Steve Heminger

### **Attachment:**

- Attachment A: Kimley-Horn and Associates, Inc. Team Small Business Enterprise and Disadvantaged Business Enterprise Status

SH: kc

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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	
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
Contractor:	Kimley-Horn and Associates, Inc. Pleasanton, CA
Work Project Title:	Santa Clara I-880 Northbound Ramp Metering Implementation
Purpose of Project:	Develop ramp metering implementation plan and conduct before and after studies for the Interstate 880 (I-880) corridor in Santa Clara County, for ramp meters have been installed along the corridor and have yet to be activated.
Brief Scope of Work:	There are eight on-ramps with existing ramp metering equipment installed but the meters have not been activated along I-880 northbound direction between “The Alameda”/SR 82 and the Montague Expressway interchanges in Santa Clara County. MTC and Caltrans are planning to activate these eight 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:	\$240,000 (this amendment) Total Contract before this amendment: \$2,597,400 Total Authorized Contract after this amendment: \$2,837,400
Funding Source:	STP/CMAQ
Fiscal Impact:	Funding is included in the FY 2018-19 MTC Budget.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with Kimley-Horn and Associates, Inc. to provide on-call transportation engineering and planning services as described above and in the Executive Director’s memorandum dated September 7, 2018, and the Chief Financial Officer is directed to set aside funds in the amount of \$240,000 for such amendment.
Operations Committee:	<hr/> Dave Cortese, Chair
Approved:	Date: September 14, 2018