

**Metropolitan Transportation Commission
Regional Network Management Committee**

April 11, 2025

Agenda Item 4c

**Contract – Systems Engineering for Interstate 880 Optimized Corridor Operations:
Kimley-Horn and Associates, Inc. (\$990,000)**

Subject:

Request for approval of a contract with Kimley-Horn and Associates, Inc. (Kimley-Horn) to provide systems engineering technical services to support the Interstate 880 (I-880) Optimized Corridor Operations Project, in an amount not to exceed \$990,000.

Background:

The I-880 corridor serves an integral role in the Bay Area transportation network, connecting Alameda County and Santa Clara County/Silicon Valley. A range of intelligent transportation systems (ITS)/operational infrastructure, including adaptive ramp metering, express lanes, incident management, currently exist for the corridor. These traffic management systems work primarily independently, necessitating the development of a multiagency project to make the systems work together.

At the MTC's Operations Committee in April 2021, a contract was approved to proceed with the planning phase of the project. The planning activities resulted in a multiagency roadmap outlining strategies and plans to integrate various ITS elements into a cohesive and integrated system to optimize corridor operations to improve travel reliability and safety. The effort identified key agency collaborations and technologies needed to support effective integration of systems and operational infrastructure. This next phase of the project will build on this foundation, advancing systems engineering efforts to optimize traffic management systems on I-880, including a focus on data sharing and adaptive ramp metering enhancement with minimal capital investment. It will result in system design documents and potential procurement requirements and specifications for implementation.

Procurement Process

On November 20, 2024, MTC issued a Request for Proposal (RFP) to procure consultant services for system engineering and related technical tasks to support the I-880 Optimized Corridor Project.

MTC received four proposals from: 1) Kimley-Horn and Associates, Inc.; 2) Parsons Transportation Group; 3) DKS Associates; and 4) WSP USA, Inc.. An evaluation panel comprised of MTC and Caltrans staff reviewed the proposals based upon the following evaluation criteria, with relative weights indicated in percentages: 1) Qualifications and Team Experience (35%); 2) Approach (30%); 3) Price (20%); 4) Cost Effectiveness (10%); and, 5) Presentation (5%). The table below provides the final ranking based upon the panel evaluations:

Ranking	Consultant
1	Kimley-Horn and Associates, Inc.
2	Parsons Transportation Group
3	WSP USA, Inc.
4	DKS Associates

Based on the evaluation results, the panel unanimously recommends the selection of Kimley-Horn. The Kimley-Horn team demonstrated its qualifications and experience with systems engineering, traffic management system integration, and Caltrans operational improvement projects. Kimley-Horn is neither a small business enterprise (SBE) nor a disadvantaged business enterprise (DBE). A summary of their subconsultant SBE and/or DBE status is included in Attachment A.

Issues:

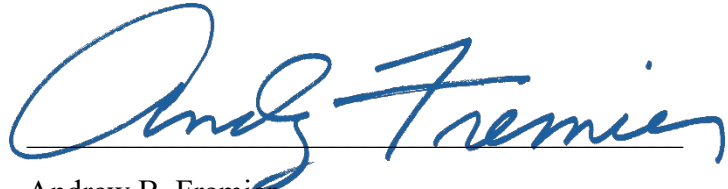
None identified.

Recommendations:

Staff recommends that the Regional Network Management Committee authorize the Executive Director or designee to negotiate and enter into a contract with Kimley-Horn in the amount of \$990,000 for the above-described work. The term of the contract shall be for two (2) years.

Attachments:

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



Andrew B. Fremier

Disadvantaged Business Enterprise and Small Business Enterprise Status

	Firm Name	Role on Project	DBE* Yes / No	If DBE Yes, List #	SBE** Yes / No	If SBE Yes, List #
Prime Contractor	Kimley-Horn and Associates, Inc.	Project management, technical expertise, evaluation and demonstration	No		No	
Subcontractor	McKeever Consulting	Needs Assessment, Concept of Operations	No		Yes	2038159
Subcontractor	Silicon Transportation Consultants	Needs Assessment, Concept of Operations, System Requirements, Resource Allocation	Yes	43097	No	
Subcontractor	TransSIGHT	Needs Assessment, Concept of Operations, System Requirements, High-Level Design, Detailed Design	Yes	42484	Yes	2004682

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

**Denotes certification by the State of California.

Request for Committee Approval

Summary of Proposed Contract

Work Item No.: 2660

Consultant: Kimley-Horn and Associates, Inc.
Oakland, CA

Work Project Title: Systems Engineering for I-880 Optimized Corridor Operations

Purpose of Project: To conduct systems engineering to optimize traffic management systems on I-880, with a focus on data sharing and adaptive ramp metering enhancement, to optimize corridor operations on Interstate 880 with minimal capital or infrastructure investments.

Brief Scope of Work: The consultant shall provide technical assistance in conducting systems engineering for data sharing and adaptive ramp metering enhancement and developing potential procurement specifications.

Project Cost Not to Exceed: \$990,000

Funding Source: CMAQ

Fiscal Impact: Funding is included in the FY 2024-25 MTC Budget

Motion by Committee: That the Executive Director or designee is authorized to negotiate and enter into a contract with Kimley-Horn and Associates, Inc. to provide technical assistance services described above and in the Regional Network Management Committee Summary Sheet dated April 11, 2025 and that the Chief Financial Officer is authorized to set aside \$990,000 for such contract.

Regional Network
Management Committee:

Alicia John-Baptiste, Chair

Approved: April 11, 2025