



METROPOLITAN  
TRANSPORTATION  
COMMISSION

**Agenda Item 2c**  
Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105  
TEL 415.778.6700  
WEB [www.mtc.ca.gov](http://www.mtc.ca.gov)

## *Memorandum*

TO: Operations Committee

DATE: February 2, 2018

FR: Executive Director

W.I. 1237

RE: Contract Amendment – Transportation Engineering and Planning Services: Technical Assistance for Alameda I-580 Design Alternative Assessment: HDR Engineering, Inc. (HDR) (\$540,000)

### **Summary**

This memorandum requests Committee approval for a contract amendment with HDR to provide transportation engineering, design and traffic analysis services for MTC's Interstate 580 Design Alternative Assessment (DAA) in an amount not to exceed \$540,000.

### **Partnership**

MTC is partnering with Alameda County Transportation Commission (Alameda CTC) on this project. The \$540,000 cost for the project will be split between MTC and Alameda CTC, with MTC funding \$340,000 and Alameda CTC funding \$200,000.

### **Background**

Interstate 580 (I-580) is one of Alameda County's key transportation routes, carrying over 200,000 vehicles per day in its most heavily used segments, and serving as a primary conduit to the region's most heavily used corridor: the Transbay/Bay Bridge corridor. The segment of I-580 between SR-238 in Castro Valley and I-80 in Oakland and continuing to the San Francisco-Oakland Bay Bridge Toll Plaza experiences significant traffic congestion, particularly in the westbound direction during the AM peak period and eastbound direction during the PM peak period.

To date, there has been limited corridor planning work on this segment of I-580 despite worsening traffic conditions. Given the growing congestion and travel demands in this corridor, this segment of I-580 has been identified by MTC and Alameda CTC as a prime candidate for operational improvements, including bus lanes, managed lanes, enhanced transbay express bus services, and supportive demand management strategies, for purposes of moving more people in fewer cars. This project phase aims to evaluate a range of options for increasing corridor efficiency, while acknowledging right-of-way and capacity constraints.

### **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 November 8, 2017, MTC issued an RFQ and invited all 23 pre-qualified consultants under Service Categories A, B, C and D to submit Statements of Qualifications (SOQs) for the Alameda I-580 DAA project. MTC received one proposal from its pre-qualified panel of consultants: HDR.

A panel consisting of staff from MTC and Alameda CTC performed a review and evaluation of the SOQ based on the firm's understanding of the project, qualifications and experiences of the team, management of resources and schedule, and written communication. After consideration and evaluation, MTC staff recommends award of the contract to HDR. HDR and its subconsultants have demonstrated extensive experience in similar types of projects and knowledge of the Alameda I-580 corridor.

Attachment A includes a summary of HDR 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 HDR to support transportation engineering, design, and traffic analyses for MTC's Alameda I-580 DAA project in an amount not to exceed \$540,000.

  
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Steve Heminger

### **Attachment:**

- Attachment A: HDR Engineering, Inc. Team Small Business Enterprise and Disadvantaged Business Enterprise Status

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HDR Engineering, 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
HDR Engineering, Inc.	Project Management, Alternatives Development			X			X
TJKM (Subcontractor)	Traffic Analysis	X	40772				X
Silicon Transportation Consultants (Subcontractor)	Tolling, ITS	X	43097		X	1802481	

\*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:	HDR Engineering, Inc. Oakland, CA
Work Project Title:	Alameda I-580 Design Alternative Assessment
Purpose of Project:	Provide technical assistance for design alternative assessment on the Alameda I-580 corridor between SR 238 and the San Francisco-Oakland Bay Bridge Toll Plaza.
Brief Scope of Work:	Evaluate a range of options to address congestion in the corridor. Given right-of-way restrictions along the corridor and vehicle capacity constraints on the Bay Bridge, the assessment will evaluate the feasibility of providing a bus lane, HOV lane, or an express lane on all, or a portion of, this segment of I-580, as well as additional operational strategies and traffic demand management strategies. The outcome of the DAA will be a set of near- and mid-term project concepts that could advance into project development and project delivery.
Project Cost Not to Exceed:	\$540,000 (this amendment) Total Contract before this amendment: \$565,000 Total Authorized Contract after this amendment: \$1,105,000
Funding Source:	STP/CMAQ
Fiscal Impact:	Funding is included in the FY 2017-18 MTC Budget.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with HDR Engineering, Inc. to provide on-call transportation engineering and planning services as described above and in the Executive Director's memorandum dated February 2, 2018, and the Chief Financial Officer is directed to set aside funds in the amount of \$540,000 for such amendment.
Operations Committee:	<hr/> Dave Cortese, Chair
Approved:	Date: February 9, 2018