



METROPOLITAN  
TRANSPORTATION  
COMMISSION

**Agenda Item 3a**  
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: June 1, 2018

FR: Executive Director

W.I. 6861

RE: High Occupancy Vehicle (HOV) Lane Enforcement Contracts:

- i. Contract or Contract Amendment - HOV Violation Enforcement Services: California Highway Patrol (CHP) (\$1,200,000)
- ii. Contract - Transportation Engineering and Planning Services: HOV Data Collection: Iteris, Inc. (\$100,000)

Subject to future budget approval, staff requests approval for:

- A contract or contract amendment with CHP to enforce vehicle occupancy requirements in the I-80 HOV lanes between the Bay Bridge and Carquinez Bridge for one year in a not-to-exceed amount of \$1,200,000 ; and
- A contract with Iteris, Inc. (Iteris) under the 2016 Transportation Engineering and Planning Services bench to collect and analyze HOV violation rate and other data for one year in a not-to-exceed amount of \$100,000.

### **Background**

As previously reported to this Committee, 254 miles or 65 percent of Bay Area HOV lanes were degraded in the second half of 2016 – meaning they failed to meet the Federal speed threshold of 45 mph, and the severity of degradation is increasing (see map in Attachment A). Between 2013 and 2016, the number of ‘extremely’ degraded lane miles increased 25 percent from 25 to 89 miles (Caltrans HOV Degradation Report, 2016). One cause of degradation is HOV lane cheaters; occupancy violations exceed Caltrans’ maximum acceptable threshold of 10 percent in many locations (MTC, 2015).

The Operations Committee has directed staff to work on projects to improve HOV lane performance, including seeking legislation to support better enforcement. During discussions with CHP about MTC’s legislative program, CHP asked MTC to consider allocating budget for CHP enforcement. In response, staff considered different scenarios to fund CHP enforcement in bridge corridor HOV lanes, and is recommending funding enforcement in the I-80 HOV lanes between the Bay Bridge and Carquinez Bridge. Staff recommends focusing on I-80 because:

- Many of the I-80 HOV lane- miles are already ‘very’ and ‘extremely’ degraded, meaning that they do not meet the federal speed threshold more than 50 percent of the time.

- The I-80 HOV lanes connect the Bay Bridge, the Carquinez Bridge and the Richmond-San Rafael Bridge. Improved enforcement will improve HOV lane operations for bridge commuters in carpools, buses and clean air vehicles.
- The I-80 HOV lanes will be the last of the existing HOV lanes in MTC's authorized express lane network to be converted to express lanes due to the complexity of the corridor and to funding limitations. In lieu of the improved enforcement that express lanes offer through camera-based toll collection and violation enforcement systems, CHP enforcement is the best option for improved performance in the near term.

The budget is based on MTC estimated costs for four CHP officers to perform enforcement during HOV hours (Monday through Friday; 5am-10am and 3pm-7pm) from July 1, 2018 through June 30, 2018, although MTC and CHP would have flexibility to tailor staffing based on needs. Work will be paid on an overtime basis. The budget is a significant contribution by MTC to improve HOV lane operations in a vital bridge corridor, but is also limited in scope to recognize that HOV lane enforcement is ultimately a State responsibility and merits State funding. Should the effort prove successful, staff would seek authorization to continue in future years. The additional CHP efforts will be documented either in a new MTC contract with CHP or in an amendment to an existing contract MTC has with CHP.

To maximize the impact enforcement is having on HOV lane performance, staff also recommends a contract with Iteris off of MTC's Transportation Engineering and Planning Services bench to periodically collect and analyze HOV violation rate and other data on I-80 and other freeways. In January 2018, Iteris was selected from this bench to perform a similar scope of work for the CHP HOV Enforcement Pilot Project. Iteris' proposal for the Pilot Project demonstrated the best qualifications for this type of work and was also the lowest cost, and Iteris has managed its effort and costs well under that contract. The data collection plan for that work can serve as a road map for I-80 and will allow staff to start evaluation of enforcement as soon as possible.

Iteris is neither a certified disadvantaged business enterprise nor a certified small business enterprise and has no subcontractors on this project.

#### **Recommendation**

Subject to future budget approval, staff requests this Committee authorize the Executive Director, or designee, to negotiate and enter into:

- A contract or contract amendment with CHP to enforce vehicle occupancy requirements in the I-80 HOV lanes between the Bay Bridge and Carquinez Bridge for one year in a not-to-exceed amount of \$1,200,000; and
- A contract with Iteris, Inc. under the 2016 Transportation Engineering and Planning Services bench to collect and analyze HOV violation rate and other data for one year in a not-to-exceed amount of \$100,000.



---

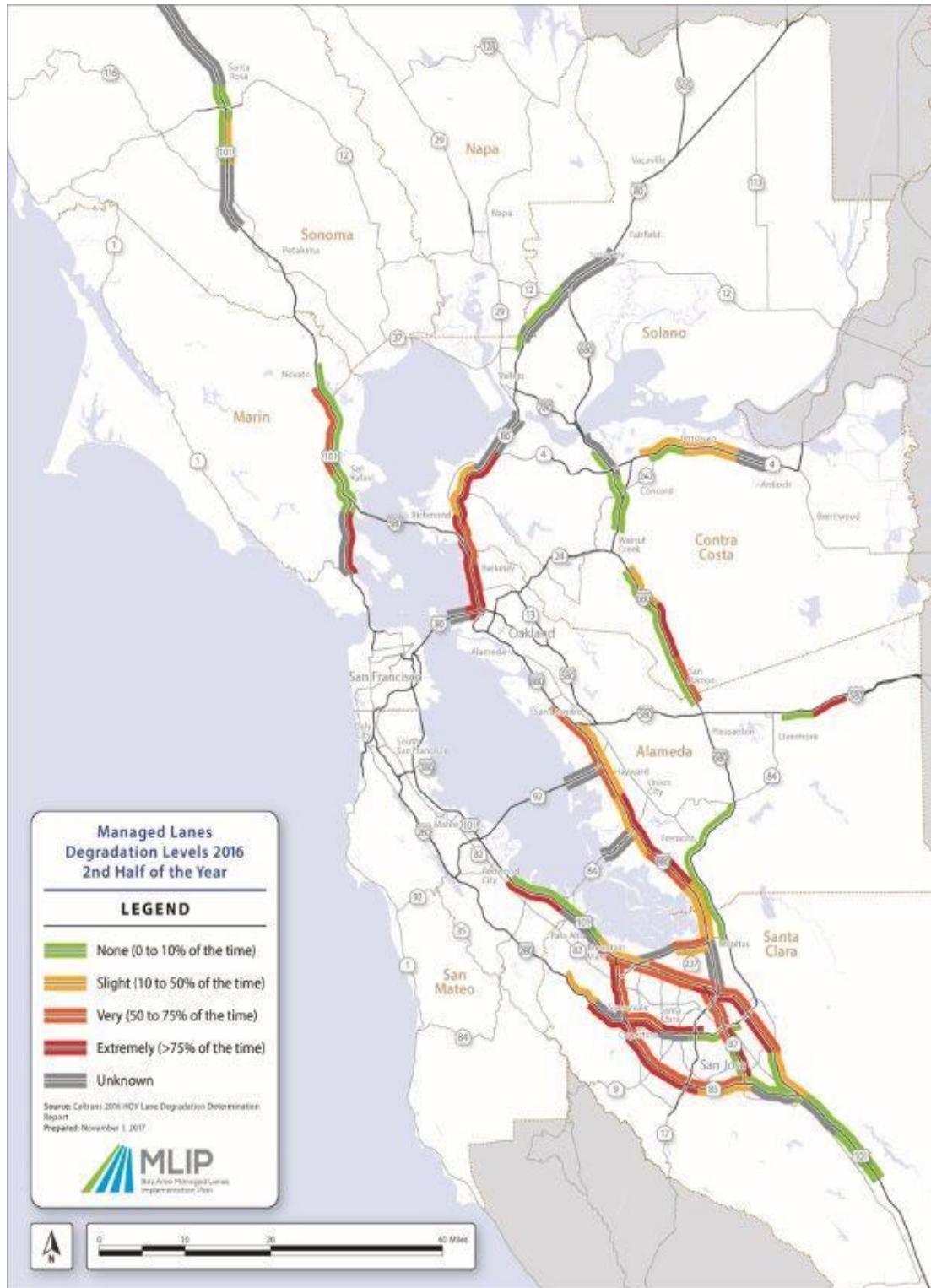
Steve Heminger

**Attachment:** Managed Lanes Degradation Levels 2016 (Attachment A)

SH:pg

J:\COMMITTEE\Operations\2018 Operations Comm Packet\06\_OPS\_Jun\_2018\3a\_HOV Lane Enforcement Contracts\_Gould v2.docx

## Attachment A Managed Lanes Degradation Levels 2016



**REQUEST FOR COMMITTEE APPROVAL**  
**Summary of Proposed Contract or Contract Amendment**

Work Item No.:	6861
Contractor:	California Highway Patrol (CHP) Sacramento, CA
Work Project Title:	High Occupancy Vehicle (HOV) Violation Enforcement Services
Purpose of Project:	Improve I-80 HOV lane performance.
Brief Scope of Work:	Enforce vehicle occupancy requirements in the I-80 HOV lanes between the Bay Bridge and Carquinez Bridge.
Project Cost Not to Exceed:	\$1,200,000
Funding Source:	Toll Bridge Rehabilitation Program Funds
Fiscal Impact:	Funding is subject to approval of the FY 2018-19 BATA Budget.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract or contract amendment with the California Highway Patrol to enforce vehicle occupancy requirements as described above and in the Executive Director's memorandum dated June 1, 2018, and the Chief Financial Officer is directed to set aside funds in the amount of \$1,200,000 for such contract or amendment, as specified above.
Operations Committee:	<hr/> Dave Cortese, Chair
Approved:	Date: June 8, 2018

REQUEST FOR COMMITTEE APPROVAL  
Summary of Proposed Contract

Work Item No.:	6861
Contractor:	Iteris, Inc. Berkeley, CA
Work Project Title:	High Occupancy Vehicle (HOV) Data Collection
Purpose of Project:	Measure the impact of CHP enforcement on HOV lanes.
Brief Scope of Work:	Collect and analyze HOV violation rate and other data on I-80 and other freeways.
Project Cost Not to Exceed:	\$100,000
Funding Source:	Toll Bridge Rehabilitation Program Funds
Fiscal Impact:	Funding is subject to approval of the FY 2018-19 BATA Budget.
Motion by Committee:	That the Executive Director or his designee is authorized to negotiate and enter into a contract amendment with Iteris, Inc. to provide on-call transportation engineering and planning services as described above and in the Executive Director's memorandum dated June 1, 2018, and the Chief Financial Officer is directed to set aside funds in the amount of \$100,000, as specified above.
Operations Committee:	<hr/> Dave Cortese, Chair
Approved:	Date: June 8, 2018