



METROPOLITAN
TRANSPORTATION
COMMISSION

Joseph P. Bort MetroCenter
101 Eighth Street
Oakland, CA 94607-4700
Tel: 510.464.7700
TDD/TTY: 510.464.7769
Fax: 510.464.7848

Memorandum

TO: Operations Committee

DATE: May 6, 2011

FR: Deputy Executive Director, Operations

W.I.: 1237

RE: Funding Agreement Amendment- Implement Ramp Metering Corridors: Santa Clara Valley Transportation Authority (VTA)

Staff recommends that the Committee authorize a funding agreement amendment with the Santa Clara VTA in the amount of \$510,000 (total project cost not to exceed \$2,561,000) to implement ramp metering on northbound (NB) and southbound (SB) I-280 in San Jose.

Background

In April of 2008, staff executed a funding agreement with the Santa Clara VTA to implement ramp metering in Santa Clara County. VTA, Caltrans, MTC, and local city staff formed the Santa Clara County Ramp Metering Working Group to ensure the implementation of ramp metering did not negatively affect local streets. Since then, the following corridors have had ramp metering successfully activated with the following results:

Congestion reduction from prior ramp meter implementations

| Route | Direction and Limits | Max.Delay reduction | Peak Period reduction | Street impacts? |
|---------|-------------------------------|---------------------|-----------------------|-----------------|
| SCI-85 | SB; Almaden to Cottle | -4 min. | -1 hr | No |
| SCI-87 | NB; Rte 85 to Skyport | -4 min. | -2 hr | Temporary |
| SCL-87 | SB; Charcot to Santa Teresa | -9 min. | -1 hr | No |
| SCI-101 | SB; Embarcadero to De La Cruz | -1 min. | TBD | No |
| SCL-880 | SB; SR 237 to Stevens Creek | -11 min, | TBD | No |

The Working Group is currently working on the detailed post-implementation studies for both US 101 and I-880.

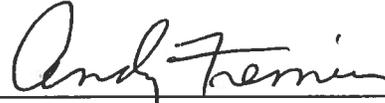
Caltrans and MTC received American Reinvestment and Recovery Act (ARRA) funding to design and install ramp metering equipment on I-280 through Santa Clara County. Construction began in January 2010 and is expected to be complete this summer.

This project is installing ramp metering equipment on 21 on-ramps in both directions of I-280 between I-880 and I-680 through downtown San Jose.

With the additional funding proposed in this amendment, VTA will perform the necessary traffic studies to implement the ramp metering, and conduct studies to report on the effect of the metering.

Recommendation

Staff recommends that this Committee authorize the Executive Director or his designee to amend the existing funding agreement with the Santa Clara Valley Transportation Authority in an amount not to exceed \$510,000 for the implementation of ramp metering on NB and SB Interstate 280.



Andrew B. Fremier

AF/JG

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REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Funding Agreement

Work Item No.: 1237

Contractor: Santa Clara Valley Transportation Authority, San Jose, CA.

Work Project Title: Funding Agreement to Implement Ramp Metering

Purpose of Project: Implement and evaluate ramp metering on freeway corridors in Santa Clara County

Brief Scope of Work: Turn on existing ramp metering systems on SCL 85, 87, 880, 280, and 101. Collect before and after implementation data and report on findings.

Project Cost: \$510,000 (this amendment)
Original Agreement + Amendment #1 and 3 = \$2,051,000

Funding Source: CMAQ/SAFE

Fiscal Impact: Included in the SAFE FY 2010-11 Budget

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into a funding agreement with Santa Clara Valley Transportation Agency to implement ramp metering on three freeway corridors, and the Chief Financial Officer is authorized to set aside funds for such funding agreement amendment in the amount not to exceed \$510,000.

Operations Committee: Approved: _____
Jake Mackenzie, Chair

Approved: Date: May 13, 2011