

# Memorandum

**TO:** HONORABLE MAYOR AND  
CITY COUNCIL

**FROM:** James R. Helmer

**SUBJECT:** TRANSPORTATION FUND FOR  
CLEAN AIR (TFCA) GRANTS

**DATE:** 01-05-05

Approved:

Date:

1/11/05

Council District: 5, 6, 7, 8, 9

## RECOMMENDATION

Approve a Transportation Fund for Clean Air (TFCA) grant agreement with the Santa Clara Valley Transportation Authority (VTA) to receive grant funding in an amount not to exceed \$794,397 for the following three transportation projects:

- 1) Bascom Corridor Signal Timing in an amount not to exceed \$119,000
- 2) Bascom Transit Signal Priority in an amount not to exceed \$329,397
- 3) ITS West – Stevens Creek in an amount not to exceed \$346,000

## BACKGROUND

The Department of Transportation (DOT) actively pursues grant funds for projects that support the goals of the Transportation City Service Area. Three separate grant applications have been approved by the VTA to receive funding from the 2004/2005 TFCA Program Manager Funded Grant. These include: the Bascom Corridor Signal Timing in the amount of \$119,000, the Bascom Transit Signal Priority in the amount of \$329,397 and the ITS West – Stevens Creek in the amount of \$346,000. These funds will help to meet the local match obligation of the federal and state funded Silicon Valley I-880/SR 17 Smart Corridor Improvement and ITS West – Stevens Creek projects. In order to secure these grant funds, funding agreements must be executed by February 2, 2005.

## ANALYSIS

**Bascom Corridor Signal Timing** – In cooperation with the County of Santa Clara, Caltrans, City of Campbell and Town of Los Gatos, the proposed project will evaluate and modify existing signal timing to improve traffic progression along the eight-mile, multi-agency operated Bascom Avenue/Los Gatos Boulevard corridor. A total of forty-eight traffic signals will be evaluated. San Jose will serve as the project lead.

**Bascom Transit Signal Priority** – In cooperation with the Valley Transportation Authority, City of Campbell and Town of Los Gatos, this project will implement transit priority signal timing for twenty-eight intersections along the Bascom Avenue/Los Gatos Boulevard Corridor. The project will replace existing traffic controllers and add detection devices to enable transit signal timing in order to improve transit schedule adherence to VTA bus route numbers 25, 26, 27, 37, 38, 62 and 85. Efforts will be made to balance priority between transit and vehicular movements. San Jose will lead this project, and has sought additional grant support from the Metropolitan Transportation Commission's Regional Signal Timing Program to fulfill the local match requirement. Confirmation of grant approval is expected in March 2005.

**ITS West – Stevens Creek** - The Silicon Valley Intelligent Transportation Systems West Corridor Project ("Project") will install various ITS infrastructure along the three-mile long, multi-agency operated Stevens Creek Boulevard corridor from Bascom Avenue to State Route 85, including 6 miles of fiber optic cable for communication, 13 video cameras for traffic monitoring, and an emergency vehicle preemption device. This infrastructure will expand video coverage of roadways in the cities of San José, Campbell, Santa Clara, and Cupertino, the County of Santa Clara, and Caltrans right-of-way to support management of both day-to-day and incident traffic across jurisdictional boundaries. Within San Jose, this project will enable real time traffic and incident management of heavily-traveled areas such as Santana Row, Westfield Shopping Center, and Saratoga Avenue at Route 280. The project will connect 14 signals along Winchester Boulevard, Saratoga, Moorpark and Forest Avenues to the traffic management center. San Jose is serving as the lead design agency and project sponsor, while the County of Santa Clara Roads and Airport Division will manage the construction of the project and will be responsible for advertising, bidding, and awarding the project.

### **PUBLIC OUTREACH**

The Metropolitan Transportation Commission will procure consultant services related to signal timing for the two Bascom Corridor projects, and utilize its own consultant selection process. For the acquisition of consultant design services for the ITS West – Stevens Creek Project, the City's Internet Bid Line, San Jose Mercury News and the San Jose Post Record were utilized. For the acquisition of construction services, these projects will be posted according to the respective lead construction agency's bidding policies and procedures.

### **COORDINATION**

This memorandum has been coordinated with the City Attorney's Office, the City Manager's Budget Office and the Planning Department. Additional coordination has occurred with the VTA and other Silicon Valley ITS Program partners.

**COST IMPLICATIONS**

**Bascom Corridor Signal Timing** - The total cost of the project is \$159,000, of which \$119,000 will be funded by TFCA funds, and will be used to fund the entire cost of consultant services. In order to meet the local match requirement, the remaining \$40,000 will be funded in equal parts by the four partner agencies, with in-kind services such as project management, inspection services and signal timing review. Once the agreement is approved, the administration will bring forward revenue and expenditures adjustments for City Council consideration.

**Bascom Transit Signal Priority** – The total project cost is \$385,600, of which \$329,397 will be funded through TFCA funds. The remaining \$56,203 in local match will be met in two ways: \$29,950 in professional services is scheduled to come from MTC Regional Signal Timing Program, and \$26,253 will be provided in equal parts by the four partner agencies, with in-kind services such as project management, inspection services and signal timing review. Once the agreement is approved, the administration will bring forward revenue and expenditures adjustments for City Council consideration.

**ITS West – Stevens Creek** – The total cost of this project is estimated to be \$4,514,857 funded by the following sources:

Federal CMAQ	\$ 3,748,857
State STIP	\$ 125,000
TFCA local grants	\$ 346,000
City of San Jose	\$ 120,000
SV-ITS Partners	\$ 175,000
 Total	 \$ 4,514,857

Once the agreement is approved, the administration will bring forward revenue and expenditures adjustments for City Council consideration.

**BUDGET REFERENCE**

Fund #	Appn. #	Appn. Name	RC#	Total Appn.	2004-05 Adopted Capital Budget Page	Last Budget Action (Date, Ord. No.)
429	4580	ITS: Regional Signal Coordination		\$405,000	V-1048	
429	4049	ITS: Stevens Creek West	120743	\$324,000	V-1050	10/12/04 Ord. No. 27267
			<b>Total</b>	<b>\$729,000</b>		

HONORABLE MAYOR AND CITY COUNCIL

01-05-05

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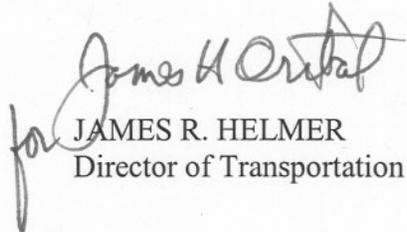
**CEQA**

Projects have received the required environmental clearances as follows:

Bascom Signal Timing – Not a Project,

Bascom Transit Signal Priority – Not a Project,

ITS Stevens Creek-West – Exempt, File No. PP00-02-026

  
JAMES R. HELMER  
Director of Transportation