



Memorandum

TO: HONORABLE MAYOR AND
CITY COUNCIL

FROM: James R. Helmer

SUBJECT: 2008-2009 TRANSPORTATION FUND
FOR CLEAN AIR GRANTS

DATE: 11-10-08

Approved

Date

11/12/08

COUNCIL DISTRICT: 3, 4, 5 and 6
SNI AREA: 13th Street
Burbank/Del Monte
Delmas Park

RECOMMENDATION

Adopt a resolution authorizing the City Manager to negotiate and execute a Transportation Fund for Clean Air (TFCA) grant agreement with the Santa Clara Valley Transportation Authority (VTA) that will provide for the City's receipt of grant funds in an amount not to exceed \$595,450 for the following two transportation projects:

1. Light Rail Transit (LRT) Controller Upgrade Phase II in an amount not to exceed \$545,450
2. San Jose Bicycle Racks in an amount not to exceed \$50,000

OUTCOME

The grant funds will provide for the replacement of 40 traffic signal controllers along the Mountain View-Winchester and Alum Rock-Santa Teresa light rail corridors within San Jose and an additional 13 controllers along the Mountain View-Winchester corridor in the City of Sunnyvale; and for the installation of approximately 200 bicycle racks.

BACKGROUND

The Department of Transportation (DOT) actively pursues grant funds for projects that support the goals of the Transportation City Service Area. For the 2008-2009 Transportation Fund for Clean Air grant, DOT submitted two applications to be considered:

- LRT Controller Upgrade Project Phase II, \$545,450
- San Jose Bicycle Racks, \$50,000

On May 1, 2008, the VTA Board of Directors approved these applications for TFCA grant funding. In order to secure these funds, a funding agreement between the City (sponsor agency) and VTA (granting agency) must be executed and delivered to VTA by December 31, 2008.

ANALYSIS

The TFCA grant agreement will provide two separate TFCA grants to fund the design and implementation of the following two transportation projects:

LRT Controller Upgrade Project Phase II:

This project will fund the replacement of 53 existing light rail traffic signal controllers along the Mountain View-Winchester, and Alum Rock-Santa Teresa light rail corridors within San Jose and Sunnyvale. Along the Mountain View-Winchester corridor, San Jose and Sunnyvale share a central control system. To maintain LRT operational efficiency within the two city limits, the City of San Jose will acquire 13 new controllers on behalf of the City of Sunnyvale, as well as provide implementation support. Advanced controller features will enable staff to improve operational efficiencies of LRT, vehicle and pedestrian movements along the Mountain View-Winchester and Alum Rock-Santa Teresa Light Rail corridors. This project, when completed in December 2009, will complete the upgrade of all light rail signal controllers within San Jose. A total of 41 intersections were replaced in 2008 under the Light Rail Transit Controller Upgrade Phase I Project, which was funded by TFCA cycle FY06/07 funds. A list of the 53 intersections to be replaced as part of the LRT Controller Phase II project is shown in Attachment A.

San Jose Bicycle Racks Project:

This project supports the City's Bicycle Master Plan goal of providing safe and secure bicycle parking facilities within the public right of way. This project will install approximately 200 inverted-U bicycle racks on public sidewalks in areas of high demand, including commercial, retail and shopping districts. As each rack accommodates two bicycles, the project would provide secure parking for 400 bicycles. The geographic areas of focus for this project are the neighborhood business districts and transit corridors. Specific locations will be based on input from the Bicycle Pedestrian Advisory Committee (BPAC), and bicycling advocacy organizations such as the Silicon Valley Bicycle Coalition and Neighborhood Business Associations'. The installations of bike racks will be in compliance with the Bike Parking guidelines found in the VTA Bicycle Technical Guidelines.

VTA has indicated that project expenditures as of August 19, 2008 will be reimbursable in accordance with the terms of the grant agreement. Therefore, City has begun work on both projects.

EVALUATION AND FOLLOW-UP

These projects are currently within budget and on schedule. No additional follow up actions with the Council are expected at this time.

PUBLIC OUTREACH/INTEREST

For the acquisition of traffic signal controller hardware and the software and development services related to the LRT Controller Upgrade Phase II project, a request for proposals was posted on the City's Internet Bid Line. The LRT Controller Upgrade Project Phase II has been coordinated with the VTA and the City of Sunnyvale.

The San Jose Bicycle Racks project grant application and implementation strategies were reviewed and supported by San Jose's BPAC. The project was also coordinated with San Jose State University's Transportation Solutions Program, which will assist in identifying bicycle rack installation locations.

- Criterion 1:** Requires Council action on the use of public funds equal to \$1 million or greater.
(Required: Website Posting)
- Criterion 2:** Adoption of a new or revised policy that may have implications for public health, safety, quality of life, or financial/economic vitality of the City. **(Required: E-mail and Website Posting)**
- Criterion 3:** Consideration of proposed changes to service delivery, programs, staffing that may have impacts to community services and have been identified by staff, Council or a Community group that requires special outreach. **(Required: E-mail, Website Posting, Community Meetings, Notice in appropriate newspapers)**

While this item does not meet the \$1 million threshold under Criterion 1, this memorandum will be posted on the City's website for the December 2, 2008 Council Agenda.

COORDINATION

This memorandum has been coordinated with the City Attorney's Office, the City Manager's Budget Office, the Department of Finance, and the Department of Planning, Building and Code Enforcement.

FISCAL/POLICY ALIGNMENT

The TFCA grant agreement will support the City's Transportation and Aviation City Service Area (CSA) outcomes to "Provide a Transportation System that Enhances Community Livability", and that, "Travelers Have a Positive, Reliable and Efficient Experience".

The grant agreement also supports the Council-approved Budget Principle to leverage State and Local grant funds to implement regional transportation projects.

As reported in the "General Fund Unmet/Deferred Infrastructure and Maintenance Needs Information" memorandum that went to Council on February 5, 2008, there currently is a backlog of \$14.2 million in one-time infrastructure improvements for traffic signal system rehabilitation/maintenance. The proposed LRT Controller Upgrade project grant is one of four grant funds DOT has secured to replace the City's 900 traffic signal controllers, resulting in the reduction of the traffic signal backlog needs by approximately \$7.4 million over the next three years. This agreement is expected to have a positive impact on operations and maintenance costs by addressing deferred maintenance in traffic signal equipment, and negligible costs associated with additional bicycle racks.

COST SUMMARY/IMPLICATIONS

LRT Controller Upgrade Project Phase II

The total cost of the project is \$545,450, of which 100% will be funded by the reimbursable TFCA Program Manager Grant Funds. The project is anticipated to be completed by December 2009. In anticipation of the grant award, \$420,000 was allocated to the ITS: Light Rail Controller Upgrade Phase II project and revenues of \$370,000 were recognized as part of the 2008-2009 Adopted Capital Budget. The remainder of the grant revenue of \$175,450 and project costs of \$125,450 is anticipated to occur in 2009-2010 and will be brought forward for Council consideration as part of the 2009-2010 Proposed Budget process.

San Jose Bicycle Racks

The total cost for the Bicycle Rack project is \$50,000, of which 100% will be funded by the reimbursable TFCA Program Manager Grant Funds. It is anticipated that 100 bicycle racks will be installed by the end of FY08/09, and the remaining 100 bicycle racks will be installed by December 2009.

BUDGET REFERENCE

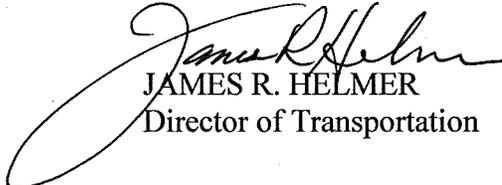
The table below identifies the funds and appropriations proposed to fund the projects included in this memo.

Fund #	Appn #	Appn. Name	Total Appn.	Total Amt. for Project	2008-2009 Adopted Capital Budget Page	Last Budget Action (Date, Ord. No.)
Total Project Costs				\$595,450		
Total Project Costs from Prior Years						
Current Funding Available						
465	4292	Bicycle and Pedestrian Facilities	\$750,000	\$50,000	V-1111	N/A
429	6451	ITS: Light Rail Controller Upgrade Phase II	\$420,000	\$420,000	V-1090	N/A
Total Current Funding Available			\$1,170,000	\$470,000		
Additional funding in future year						
429	6451	ITS: Light Rail Controller Upgrade Phase II	\$125,450*	\$125,450*	N/A	N/A
Total Funding			\$1,295,450	\$595,450		

* Additional funding of \$125,450 for the LRT Controller Upgrade Phase II project will be brought forward for Council consideration as part of the 2009-2010 Proposed Budget process. This funding is currently not programmed in the 2009-2013 Adopted Capital Improvement Program.

CEQA

Exempt, File No. PP08-225


 JAMES R. HELMER
 Director of Transportation

For questions please contact Lily Lim-Tsao, Division Manager, at 975-3269.

Attachment

ATTACHMENT A:
LRT CONTROLLER UPGRADE PHASE II
INTERSECTION LOCATIONS

Intersection Location	System	Jurisdiction
Mathilda Av & Lockheed Wy	Mountain View-Winchester	City of Sunnyvale
Mathilda Av & 5th Av	Mountain View-Winchester	City of Sunnyvale
Mathilda Av & Java Dr	Mountain View-Winchester	City of Sunnyvale
Mathilda Av & Bordeaux Av	Mountain View-Winchester	City of Sunnyvale
Java Dr & Bordeaux Av	Mountain View-Winchester	City of Sunnyvale
Java Dr & Borregas Av	Mountain View-Winchester	City of Sunnyvale
Java Dr & Geneva Dr	Mountain View-Winchester	City of Sunnyvale
Java Dr & Crossman Av	Mountain View-Winchester	City of Sunnyvale
Fair Oaks Av & Fair Oaks Wy	Mountain View-Winchester	City of Sunnyvale
Fair Oaks Av & Tasman Dr	Mountain View-Winchester	City of Sunnyvale
Tasman Dr & Vienna Dr	Mountain View-Winchester	City of Sunnyvale
Tasman Dr & Adobe Wells-Birchwood	Mountain View-Winchester	City of Sunnyvale
Tasman Dr & Reamwood Dr	Mountain View-Winchester	City of Sunnyvale
Tasman Dr & Renaissance	Alum Rock-Santa Teresa	City of San Jose
Tasman Dr & Vista Montana	Alum Rock-Santa Teresa	City of San Jose
Tasman Dr & Champion Ct	Alum Rock-Santa Teresa	City of San Jose
Tasman Dr & Rio Robles	Alum Rock-Santa Teresa	City of San Jose
Tasman Dr & N. First St	Alum Rock-Santa Teresa	City of San Jose
Tasman Dr & Baypoint Pkwy	Alum Rock-Santa Teresa	City of San Jose
Tasman Dr & Zanker Rd	Alum Rock-Santa Teresa	City of San Jose
Tasman Dr & Morgridge St	Alum Rock-Santa Teresa	City of San Jose
Tasman Dr & Cisco Wy	Alum Rock-Santa Teresa	City of San Jose
N. 1st St & Rio Robles	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & River Oaks Pkwy	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & Orchard Pkwy	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & Plumeria Dr	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & Bonaventura Dr	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & Component Dr	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose

Intersection Location	System	Jurisdiction
N. 1st St & Charcot Av	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & Karina Ct	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & Rankin Av	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & Hawthorn Wy	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & Devine St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & St. James St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & St. John St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & Santa Clara St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & San Fernando St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 1st St & San Carlos St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
Market St & San Carlos St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 2nd St & St. James St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 2nd St & St. John St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 2nd St & Santa Clara St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
N. 2nd St & San Fernando St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
Woz Wy & Auzerais St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
Convention Center & San Carlos St	Mountain View-Winchester; Alum Rock-Santa Teresa	City of San Jose
Autumn St & Mid Block	Mountain View-Winchester	City of San Jose
Delmas & San Fernando	Mountain View-Winchester	City of San Jose
Delmas Ave & San Carlos	Mountain View-Winchester	City of San Jose
Southwest Expressway & Stokes	Mountain View-Winchester	City of San Jose
Leigh & Southwest Expressway	Mountain View-Winchester	City of San Jose
Fruitdale & Southwest Expressway	Mountain View-Winchester	City of San Jose
Parkmoor & Race	Mountain View-Winchester	City of San Jose
Auzeraus & Sunol	Mountain View-Winchester	City of San Jose