SUBJECT: Approval of Resolution for the Installation of Traffic Signals at Bernardo Avenue and Remington Drive, and Duane Avenue and Britton Avenue

BACKGROUND

Staff has received requests for the installation of traffic signals at the intersections of Bernardo Avenue/Remington Drive and Duane Avenue/Britton Avenue. Traffic signal warrant studies were conducted, as well as supplementary investigations. The intersection of Duane Avenue and Britton Avenue meets the minimum requirements needed for installation of a traffic signal. The analysis of the Bernardo/Remington intersection indicates that this location meets one warrant and is approaching the warrant for traffic volume, and other conditions are present for which traffic control installation may improve safety.

The Municipal Code Section 10.08.060 requires that City Council designate locations for the installation of traffic signals. Staff recommends that City Council approve the attached resolution for the installation of traffic signals at the intersections of Bernardo Avenue/Remington Drive and Duane Avenue/Britton Avenue.

Duane/Britton

The study of this intersection conforms to the State of California and Federal government requirements for traffic signal controls. The analysis takes into consideration land use, street classifications/designations, collision history, traffic volume, schools, and any unusual conditions/engineering judgment.

The analysis of Duane/Britton intersection indicates that this location meets two out of the eight warrants for installation of the traffic signal, the four hour vehicular volume, and the peak hour vehicular volume warrants. In addition to these, this location is approaching the 80% requirement for traffic volume.

Bernardo/Remington

The analysis of the Bernardo/Remington intersection indicates that this location meets the warrant for street classification and is approaching the
warrant for traffic volume. One intersection approach is on a curve, which poses a challenge to drivers’ sight lines. This may cause drivers to divert to other locations on Bernardo to avoid the intersection. The City has received increasing requests for pedestrian crossing improvements on Bernardo. Traffic volumes, higher speeds, and lack of positive traffic controls have discouraged the City from installing pedestrian improvements except at signalized intersections. Bernardo/Remington forms a direct pedestrian route from residences west of Bernardo Avenue to Sunnyvale Middle School and Cherry Chase School. Given these conditions, staff believes the installation of a traffic signal will facilitate a more orderly and safe flow of traffic and will improve pedestrian conditions at the intersection.

**EXISTING POLICY**

Land Use and Transportation Element C3, Attain a transportation system that is effective, safe, pleasant and convenient.

Land Use and Transportation Element C3.1.4, Study and implement physical and operational improvements to optimize roadway and intersection capacities.

Land Use and Transportation Element C3.4.7. Conduct periodic analyses of roadway facilities and collision data in order to assure traffic safety.

**FISCAL IMPACT**

There are sufficient funds in the capital budget under project 816000, Future Traffic Signal Construction/Modification, to install the subject traffic signals.

**PUBLIC CONTACT**

Public contact was made by posting the Council agenda on the City’s official-notice bulletin board outside City Hall, in the Council Chambers lobby, in the Office of the City Clerk, at the Library, Senior Center, Community Center, and Department of Public Safety; posting the agenda and report on the City’s Web site; and making the report available at the Library and the Office of the City Clerk.
ALTERNATIVES

1. Approve the attached resolution to designate the intersections of Remington Drive and Bernardo Avenue, and Duane Avenue and Britton Avenue, for the installation of traffic signals.

2. Do not approve the attached resolution to designate the intersections of Remington Drive and Bernardo Avenue, and Duane Avenue and Britton Avenue, for the installation of traffic signals.

RECOMMENDATION

Staff recommends Alternative No. 1: Approve the attached resolution to designate the intersections of Remington Drive and Bernardo Avenue, and Duane Avenue and Britton Avenue, for the installation of traffic signals.

Reviewed by:

Marvin A. Rose, Director, Public Works
Prepared by: Jack Witthaus, Transportation and Traffic Manager

Approved by:

Gary M. Luebbers
City Manager

Attachments

A. Resolution
RESOLUTION NO. _______

RESOLUTION OF THE CITY OF SUNNYVALE TO DIRECT THE INSTALLATION OF TRAFFIC SIGNALS

WHEREAS, Title 10 of the Sunnyvale Municipal Code provides that traffic signals are to be erected at locations designated by the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SUNNYVALE that it has been determined it is necessary to designate the intersection of Bernardo Avenue and Remington Drive and the intersection of Duane Avenue and Britton Avenue for the installation of traffic signals.

Adopted by the City Council at a regular meeting held on ________, 2010, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

ATTEST: APPROVED:

_________________________________ ________________
City Clerk Mayor
(SEAL)

APPROVED AS TO FORM AND LEGALITY:

_____________________________________
David E. Kahn, City Attorney