



City Council Staff Report

Date: September 8, 2010

CONSENT CALENDAR

Subject: APPROVAL OF PLANS, SPECIFICATIONS AND ESTIMATE (PS&E) AND AUTHORIZATION TO BID FOR THE INDIAN CANYON DRIVE AT VISTA CHINO TRAFFIC SIGNAL MODIFICATION, CITY PROJECT 08-17

From: David H. Ready, City Manager

Initiated by: Public Works and Engineering Department

SUMMARY

The Public Works and Engineering Department has scheduled improvements to the existing traffic signal at Indian Canyon Drive and Vista Chino. The construction documents (Plans, Specifications and Estimate) are completed and, in accordance with 7.03.040 of the Procurement and Contracting Code the Council is required to approve and adopt plans, specifications and working details, and authorize the bid request for all public projects in excess of \$100,000. Approval of this project will allow staff to proceed with this public project, with an estimated cost of approximately \$200,000.

RECOMMENDATION:

Approve the plans, specifications and working details for the Indian Canyon Drive at Vista Chino Traffic Signal Modification, City Project 08-17, and authorize staff to advertise and solicit bids.

STAFF ANALYSIS:

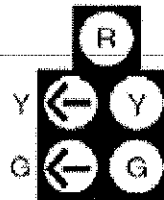
The Public Works and Engineering Department included modification of the existing traffic signal at the Indian Canyon Drive and Vista Chino intersection in the 2008/2009 and 2010/2011 fiscal year budgets. Currently, the existing traffic signal has no left-turn phasing in any direction, which makes turning left difficult during peak hours of traffic at this highly congested intersection. Vista Chino is also State Highway 111, and Caltrans operates and maintains this traffic signal. However, the state has no plans or budget to modify or improve the operation of the traffic signal. Therefore, in the 2008/2009 budget, Council allocated funds for the City's design of modifications to the traffic signal.

On October 8, 2008, the City Manager approved a contract services agreement with Albert Grover & Associates in the amount of \$15,985 for the design of this project.

Item No. **2.K.**

Since that time, the City's consultant has coordinated the design of the traffic signal modification with Caltrans, and Caltrans has approved the final design and authorized its construction.

Typical of other recently modified traffic signals, the traffic signal has been designed with protected/permissive signal phasing on Indian Canyon Drive. The City originally proposed protected/permissive phasing on Indian Canyon Drive and Vista Chino, but Caltrans has not yet approved of protected/permissive phasing of its traffic signals and is requiring separate protected left-turn phasing on Vista Chino (however, it has allowed protected/permissive phasing on Indian Canyon Drive). A protected/permissive signal is one that has a five-section vehicle head on the signal mast arm, shown at right below, and has a five-section vehicle head on the far pole, shown at left below:



This type of signal phasing allows traffic to move through the intersection more efficiently, giving left-turning vehicles a "permissive" movement, allowing the turn when there are no opposing vehicles. In a true "protected" phase, a vehicle must wait for the green arrow to make the movement, whether or not there is opposing traffic.

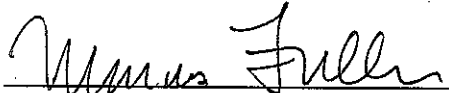
The plans and specifications have been prepared by the City's engineering consultant (Albert Grover & Associates). Caltrans has approved the City's proposed traffic signal modification, and the plans are ready for Council approval and the subsequent advertisement for construction bids. Section 7.03.040 of the Procurement and Contracting Code requires that for public projects in excess of \$100,000 Council approve and adopt the plans, specifications and working details, and authorize staff to advertise for construction bids. The Engineer's Estimate for this project is \$200,000. Approval of the recommended action will allow staff to proceed with bidding of this project.

FISCAL IMPACT:

Funding for this project is made available through local Measure A funds in account 134-4498-50271. No local miscellaneous General Funds are being used for this project.


SUBMITTED:

Prepared by:




Marcus L. Fuller
Assistant Director of Public Works

Recommended by:




David J. Barakian
Director of Public Works/City Engineer

Approved by:



Thomas J. Wilson, Asst. City Manager



David H. Ready, City Manager