

REPORT TO CITY COUNCIL

DATE: MAY 11, 2005

TO: HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL

FROM: GREG RAMIREZ, CITY MANAGER

BY: KEN BERKMAN, CITY ENGINEER

SUBJECT: AUTHORIZATION TO SEEK BIDS FOR THE COMPUTERIZED TRAFFIC SIGNAL SYNCHRONIZATION PROJECT; NIB 04-06

This report seeks City Council authorization to bid the Computerized Traffic Signal Synchronization Project; NIB 04-06. City Council previously approved the hire of Kimley-Horn and Associates, Inc., to prepare the plans, specifications and estimates (PS&E) for the project at a cost of \$104,000. Under staff direction and supervision, Kimley-Horn has completed the PS&E effort. The engineer's estimate for the construction of the project is \$908,000 and includes a 10% contingency.

The project consists of the installation of a fiber optic and wireless communications system that will coordinate sixteen of the City's nineteen signalized intersections along three arterial corridors (see attached exhibit). Three signals at Reyes Adobe Road and US101 freeway will be included as a bid alternate. Additionally, overhead vehicle detection cameras will be mounted on two intersections (Thousand Oaks Boulevard/Kanan Road and Thousand Oaks Boulevard/Reyes Adobe Road). A traffic signal operations computer will be established at City Hall to facilitate future oversight of the signal system. The new system will provide increased safety for all users, improve air quality, reduce delays, decrease traffic congestion, and generally improve traffic conditions.

It should be noted that this project will result in an optimized system that will provide more efficient traffic flow to the system as a whole. Traffic entering the arterial roadways from the minor streets could experience increased queue (waiting for green) times compared to what they experience now. However, this delay will allow the vehicle to enter the major roadway at the appropriate time and provide for much more efficient arterial street traffic flow. Once in place, the system will be monitored and adjusted to provide for optimum real-time performance.

This project was to receive Regional Improvement Program (RIP) funds through the State. However, due to the State budget crisis, the California Transportation Commission suspended funding allocations. The Metropolitan Transportation Authority (MTA) is backfilling the RIP funds with Prop C funds in order for these projects to move forward. A minimum 20% local fund match is required. Staff will be requesting additional Prop C funds during the budget process for the match. The estimated project costs and funding are shown below:

PROJECT COST		FUNDING	
Construction	\$825,000	MTA Grant (Prop C)	\$724,000
Contingency (10%)	\$82,500	Local Match (Prop C)	\$200,000
TOTAL	\$907,500	TOTAL	\$924,000

Staff anticipates returning to Council to award a construction contract in July, with construction slated to occur between August and October 2005.

RECOMMENDATION

Staff respectfully recommends the City Council:

1. Approve the Plans and Specifications and authorize the City Engineer to seek bids for the Computerized Traffic Signal Synchronization Project; NIB 04-06.