



CITY OF LODI

PUBLIC WORKS DEPARTMENT

COUNCIL COMMUNICATION

TO: City Council
FROM: City Manager
MEETING DATE: July 20, 1988
AGENDA TITLE: Review of Traffic Signal Installation at Highway 12 and Lower Sacramento Road - Discussion and Appropriate Action.

RECOMMENDED ACTION: That the City Council approve City participation in the Lower Sacramento Road/Highway 12 signal project and authorize the City Manager to execute a cost-sharing agreement with San Joaquin County.

BACKGROUND INFORMATION: San Joaquin County is the lead agency in the installation of a traffic signal at Highway 12 and Lower Sacramento Road. Caltrans and the County are splitting the \$120,000 cost of the signal 50/50. The work is scheduled for fa71 1988 and includes left turn lanes with separate signal phases.

Early in June, the County sent the City a letter regarding operational improvements on Lower Sacramento Road. They asked that the City contribute \$64,000 to the project for right turn lanes and a pavement overlay (see attached June 1 letter). Staff responded, indicating we were reluctant to take the request to the Council for a number of reasons (see attached June 15 letter). We were also concerned about the adequacy of the design and asked for more information.

The County responded on June 30 (see attached letter), indicating they were proceeding with the project as designed, without the additional right turn lanes.

City staff ran some rough level of service calculations based on available traffic counts. They indicate there will be a noticeable difference in the operation of the intersection with and without the right turn lanes (level of Service C versus D). We called the County and indicated we would take a recommendation to the Council for City participation in the right turn lanes without the overlay if they would provide a separate estimate. They have done so and their rough estimate is \$50,000.

Staff still has some reluctance about participating in this project in this manner, but we feel more strongly that it would be a disservice to the citizens of Lodi not to make these additional improvements. Therefore, it is recommended that the Council approve City participation and authorize the

APPROVED:


THOMAS A. PETERSON, City Manager

FILE NO.

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City Manager to execute a cost-sharing agreement with San Joaquin County.
The project would then be included in the 1988/89 Capital Improvement Program.



Jack L. Ronsko
Public Works Director

JLR/RCP/ma

Attachments

cc: Street Superintendent



COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS
 P. O. BOX 1810 - 1810 E HAZELTON AVENUE
 STOCKTON, CALIFORNIA 95201
 (209) 468-3000

EUGENE DELUCCHI
 CHIEF DEPUTY DIRECTOR
 THOMAS R FLINN
 DEPUTY DIRECTOR
 MANUEL LOPEZ
 DEPUTY DIRECTOR

HENRY M. HIRATA
 DIRECTOR

June 1, 1988

Mr. Jack L. Ronsko
 Director of Public Works
 City of Lodi
 221 West Pine Street
 Lodi, California 95241

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CITY OF LODI
 PUBLIC WORKS DEPARTMENT

SUBJECT: STATE HIGHWAY 12 AND LOWER SACRAMENTO ROAD TRAFFIC SIGNALS

Dear Mr. Ronsko:

The State of California and San Joaquin County have executed a Cooperative Agreement for the construction of a signal system with left turn phasing for the above referenced intersection. San Joaquin County has been designated as the lead agency for the design and construction of the facilities.

Design of the signal system is essentially complete and is now being reviewed by Caltrans. The roadway improvements for the Lower Sacramento Road approaches are now being designed by Public Works staff.

Due to budget constraints, the roadway improvements on the Lower Sacramento Road approaches will be limited to the widening required to accommodate a left turn lane, for a total estimated cost of \$120,000.00 (see Exhibit "A").

As this intersection is primarily impacted by traffic generated from within the City of Lodi, we are inquiring if the City of Lodi would participate in financing additional operational improvements to the intersection including right turn lanes and a structural overlay on Lower Sacramento Road (see Exhibit "B"). The estimated costs for the alternate with right turn lanes is \$184,000.00

Your prompt reply is necessary as we are currently designing the roadway improvements with intentions to advertise the project in July, 1988.

Thank you for your consideration of this matter.

Very truly yours,

T. R. FLINN
 Deputy Director/Engineering

TRF:CK:cr
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Enclosures

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CITY COUNCIL

JAMES W. PINKERTON, Jr., Mayor
JOHN R. (Randy) SNIDER
Mayor Pro Tempore
DAVID M. HINCHMAN
EVELYN M. OLSON
FRED M. REID

CITY OF LODI

CITY HALL, 221 WEST PINE STREET
CALL BOX 3006
LODI, CALIFORNIA 95241-1910
(209) 334-5634
TELECOPIER (209) 333-6795

THOMAS A. PETERSON
City Manager
ALICE M. REIMICHE
City Clerk
BOB McNATT
City Attorney

June 15, 1988

San Joaquin County Public Works Department
Attention: Tom Flinn
P.O. Box 1810
Stockton, CA 95201

Subject: State Highway 12 and Lower Sacramento Road Traffic Signals

Thank you for updating us on the status of the subject project. We are glad to see the project progressing.

Your request for City funding has been considered, but we are reluctant to take this to the City Council. In previous discussions with the City Council, it was clear their feelings were that this is a County/State project. We just recently took to the City Council a signal priority list that included 15 locations meeting warrants (two of them on Highway 12). Also, we are talking about increasing signal funding from one per year to two per year at the expense of street maintenance projects. Thus we are reluctant to recommend funding work outside the City.

We are, however, concerned about the design. We do not have up-to-date turn movement volumes so our comments are only based on our visual observations of the intersection. Our impression is that the intersection will not operate satisfactorily with eight phases and shared thru/right turn lanes. If you would provide us level of service comparisons with and without the right turn lane, we would be in a better position to evaluate your request.

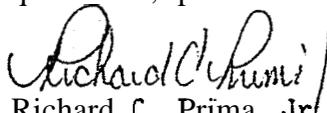
We also do not feel we could recommend to our Council a cost sharing of the overlay. This is basically a maintenance procedure and we would not wish to start a precedent for maintenance work. We would need to see costs for this work separated from the operational improvements.

Your enclosures did not include the signal plans themselves. We are concerned that on the east side, the poles and controller be placed at their ultimate location. Not doing so would essentially require a complete rebuild of the signal system when the corners are improved. Saving this cost (roughly \$20,000 per corner) would be an advantage in having the two developed corner parcels install their improvements. At the Northeast corner (Sunwest Liquors) the County approval included a condition requiring installation upon annexation (U-81-11). At the

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Southeast corner the County Board of Zoning Adjustments conditionally approved the development (0-73-18). We do not have a record of the conditions, but it has been our experience that they typically include some type of deferred improvement requirement. The owners may be willing to instal: some of the improvements now in order to save relocation costs later.

Again, thank you for **keeping us** informed on this project. If **you** have any questions, please contact Richard Prima at your convenience.


Richard C. Prima, Jr.
Chief Civil Engineer

RCP/ly

cc: City Manager
Street Superintendent



HENRY M. HIRATA
DIRECTOR

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS
P. O. BOX 1810 - 1810 E. HAZELTON AVENUE
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DEPUTY DIRECTOR

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CITY OF LODI

PUBLIC WORKS DEPARTMENT

June 30, 1988

Richard Prima
Chief Civil Engineer
City of Lodi
221 West Pine Street
Lodi, California 95241

SUBJECT: LOWER SACRAMENTO ROAD
AND STATE HIGHWAY 12 TRAFFIC SIGNAL

Dear Mr. Prima:

Enclosed is a full set of improvement plans which include the traffic signal.

The signal standards and controller are being placed at locations that can ultimately accommodate a four-lane facility with left-turn channelization. We recognize that an eight-phase signal operation, with shared through-right-turn lanes, will limit the intersection's traffic-carrying ability. However, due to our budget constraints, and your reluctance to participate in the additional operational improvements, we are forced to proceed with the reduced roadway geometrics as shown on the attached plans.

These proposed improvements will improve operational conditions and provide some relief to vehicle delays. Further review and comparison of theoretical levels of service, for a situation where additional funding is not available, does not appear to be productive.

Our records indicate that the development at the southeast corner does not have any conditions relating to street improvements. The use permit application for the northeast corner development (Sunwest Liquors) does have a condition for frontage improvements upon annexation to the City of Lodi. Frontage improvements at this single quadrant will provide very limited benefits to the overall operation of signalized intersection, particularly when your primary concerns are shared through right-turn lanes.

Mr. Richard Prima

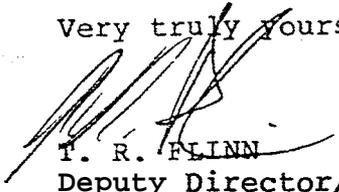
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June 30, 1988

Our tentative schedule is to advertise this project in August, 1988, with construction to commence the following month.

Thank you for your input and consideration of this matter.

Very truly yours,



T. R. FLINN

Deputy Director/Engineering

TRF :MAS :to
F 8F378DET1

Enclosure