

APPROVED
BY THE CITY COUNCIL

15

OCT 7 1986

OFFICE OF THE
CITY CLERK

AG 86072-A

DEPARTMENT OF
PUBLIC WORKS

ENGINEERING DIVISION

CITY OF SACRAMENTO
CALIFORNIA

CITY HALL
ROOM 300
915 I STREET
SACRAMENTO, CA
95814-2608

CITY MANAGER'S OFFICE
RECEIVED
OCT 2 1986

916-449-5307

THOMAS M. FINLEY
ENGINEERING DIVISION
MANAGER

October 7, 1986

City Council
Sacramento, California

Honorable Members In Session:

SUBJECT: Fuel Efficient Traffic Signal Management (FETSIM) Grant Application

SUMMARY

The Public Works Department is applying for a F.E.T.S.I.M. Grant. The Grant Program uses sophisticated computer modeling techniques to adjust traffic signal system timing to improve traffic flow. The conditions of the Grant Application require a resolution from the local governing body authorizing the Grant Application. The Grant further requires that the appropriate environmental document be filed for the project. A Categorical Exemption was filed with the County Clerk on September 22, 1986. This item was considered by the Budget and Finance Committee on October 7, 1986.

BACKGROUND

SB 724 (Rosenthal), signed by the Governor, provides for a local assistance grant fund through the California Department of Transportation's F.E.T.S.I.M. Program. Subject to approval by the U.S. Department of Energy, funding will be provided for grants, training, and technical support to local governments to reduce fuel consumption and delay through modifications to the timing of their signal systems.

Since its inception in 1982, the program has retimed over 3,000 signalized intersections. Based on field tests, vehicle stops and delays have been reduced by 14 percent and total travel time and fuel consumption by 6 percent, resulting in an average fuel consumption reduction of 4,200 gallons/intersection. With these results, the direct benefit/cost to California motorists has been documented at 48:1 over the first three years.

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 Fuel Efficient Traffic Signal Management (FETSIM) Grant Application
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Program benefits also include reduced vehicle operating costs, reduced air pollutant emissions, and improved safety due to smoother flow and fewer stops.

To take advantage of this opportunity, staff is recommending that the 11 signal system, located in the area bounded by 3rd Street, 8th Street, N Street and L Street, be submitted as a Grant proposal for this program. If approved, this project will allow the City to optimize the timing of all 11 traffic signals so that vehicular delays are minimized throughout the study area. Congestion, air pollution and fuel consumption will all be reduced as a result.

This FETSIM funded project constitutes the second step in the City's efforts to optimize approximately 250 traffic signals located in the downtown area. A previous FETSIM Grant, which was approved for the City of Sacramento last year, has already provided for the optimization of nearly 40 traffic signals in the Business 80 corridor.

FINANCIAL

The estimated total cost of the project is \$13,786. Approximately \$9,900 will be used to hire a consultant to collect necessary data and perform the computer analysis. The remaining \$3,886 will be a local match of City time for training and implementation of the Transit 7F Program.

RECOMMENDATION

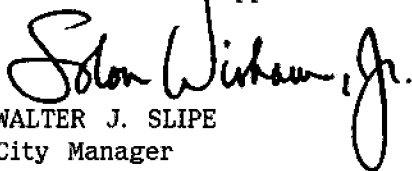
It is recommended that the attached resolution be approved.

Respectfully submitted,



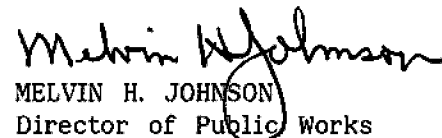
THOMAS M. FINLEY
 Engineering Division Manager

Recommendation Approved:



For: WALTER J. SLIPE
 City Manager

Approved:



MELVIN H. JOHNSON
 Director of Public Works

EW:sm
 TD1-04.A
 09.2586

October 7, 1986
 District Nos. 1, 3, and 4

Attachment

RESOLUTION NO. 86-759

ADOPTED BY THE SACRAMENTO CITY COUNCIL ON DATE OF

RESOLUTION AUTHORIZING SUBMITTAL OF A FUEL EFFICIENT TRAFFIC SIGNAL MANAGEMENT GRANT APPLICATION AND EMPOWERING THE CITY MANAGER TO EXECUTE ALL APPLICATIONS, CONTRACTS AND AGREEMENTS NECESSARY ON BEHALF OF THE CITY OF SACRAMENTO

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WHEREAS, the City of Sacramento recognizes that it is in the interest of the national economy to promote the conservation of energy resources and to reduce our nation's dependence on costly foreign oil; and

WHEREAS, fuel efficient traffic signal management by the City of Sacramento will provide benefits to the local community in the form of improved traffic flow, reduced fuel consumption, reduced vehicle operating costs, reduced air pollutant emissions, and improved safety due to smoother flow; and

WHEREAS, funds have been established and are available through the California Department of Transportation for grants to local governments for efficient traffic signal management projects;

NOW, THEREFORE, BE IT RESOLVED THAT THE COUNCIL OF THE CITY OF SACRAMENTO HEREBY AUTHORIZES:

1. The submittal of an application to the California Department of Transportation for a Fuel Efficient Traffic Signal Management Grant, and
2. The City Manager of the City of Sacramento to execute in the name of the City of Sacramento all necessary applications, contracts, and agreements to implement and carry out the purposes specified in this Resolution.

The foregoing resolution was passed by the Council of the City of Sacramento this _____ day of _____, 19_____.

MAYOR

ATTEST:

CITY CLERK

file copy



OFFICE OF THE
CITY CLERK

CITY OF SACRAMENTO
CALIFORNIA

CITY HALL
ROOM 203
915 I STREET
SACRAMENTO, CA
95814-2671

March 5, 1987

916-449-5426

Department of Transportation
Division of Administrative Services
P.O. Box 942874 (94274-0001)
1120 N Street
Sacramento CA 95814

Dear Ms. Jeanette Barr:

On October 7, 1986, the Sacramento City Council adopted a Resolution No. 86-759 authorizing the execution of Agreement No. 86072-A.

Enclosed, for your records, is one fully certified copy of said agreement and authorizing resolution.

Sincerely,

LORRAINE MAGANA, CITY CLERK

Janice Beaman
Deputy City Clerk

JB/mls/15
Enclosure

cc: Public Works
Risk Management