



CITY OF HAYWARD
AGENDA REPORT

AGENDA DATE 9/28/99
AGENDA ITEM 3
WORK SESSION ITEM _____

TO: Mayor and City Council
FROM: Director of Public Works
SUBJECT: Hesperian Boulevard Fiber Optics Project: Approval of Plans and Specifications and Call for Bids

RECOMMENDATION:

It is recommended that the City Council approve the attached resolution for the plans and specifications for the Hesperian Boulevard Fiber Optics Project and call for bids to be received on October 19, 1999.

BACKGROUND:

Staff has secured a grant from the Bay Area Air Quality Management District's Transportation Fund for Clean Air (TFCA) Program to install a fiber optic interconnect system along Hesperian Boulevard between W. Winton Avenue and Industrial Parkway. This fiber optic interconnect system will work in concert with other newly installed fiber optic systems along Winton Avenue and along "D" Street to link the Hesperian Boulevard traffic signals with the master controller at the Hesperian Boulevard and Winton Avenue intersection and from there to City Hall. Additionally, provisions have been included to bring video to City Hall from locations where video detection systems have or will be installed for traffic control. The proposed overall traffic signal system will be a hybrid system using the fiber optic cable as the communication backbone, while keeping the existing intersection-to-intersection copper hard-wire system in place to preserve the City's previous investment in traffic signal hardware.

This project installs two portions of the City's overall Fiber Optic Master Plan (see Exhibit A). The portion between West Winton Avenue and West Tennyson Road is identified as a backbone component. The portion between West Tennyson Road and Industrial Parkway is identified as a spur of the Fiber Optic Master Plan. An added benefit of this project will be the ability to use the fiber optic spur to connect Fire Station 4 directly to City Hall and other City facilities.

Recently, the Alameda County Congestion Management Agency requested that we provide extra fibers along Hesperian Boulevard for use in the implementation of the Regional Fiber Optic System for Transportation Management along the I-880 "Smart" Corridor. The "Smart" corridor will include a traffic data and video exchange system to allow communications between the transportation management centers of Hayward, Union City, San Leandro,

Oakland, the County of Alameda, and Caltrans. Although initially the project will use telephone services for communication, ultimately a fiber optic system will be used to save costs. Since the CMA has agreed to pay the additional cost to increase the number of fiber strands to provide an additional 36 fibers along Hesperian Boulevard, an additive bid item to install an additional 36 fiber strands will be included.

Also, rather than reducing the scope of the project as originally planned to keep within the budget, and in order to not increase the amount of City funding, staff pursued the possibility of getting an advance on our anticipated 2000/2001 TFCA Air District Grant funds. This request has been recommended for approval by the Alameda County Transportation Advisory Committee and will be formalized once bids are received.

Staff has established a combined goal of 4 percent for Disadvantaged Business Enterprise (DBE)/Women-Owned Business Enterprise (WBE) participation. The appropriateness of the goal was established through an evaluation of available subcontracting opportunities for this project and analysis as to what portion of that subcontracting would be reasonable to set aside for DBE/WBE participation.

PROJECT COSTS:

The estimated costs for the project are as follows:

Design & Administration	\$ 28,000
Construction Cost	173,000
Inspection and Caltrans permit	8,000
	<u> </u>
	\$ 209,000

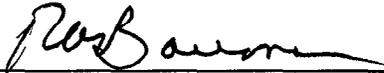
FUNDING:

The City's 1999/2000 Capital Improvement Program includes \$138,000 in the Transportation System Improvement Fund, for this project. The City's 1998/1999 TFCA Grant would provide reimbursement in the amount of \$116,000, which meant the City's budgeted contribution was \$22,000. As noted above, the remaining costs will be reimbursed from the City's 2000/2001 TFCA Air District Grant funds, and thus the City's contribution should not need to be increased. After bids are received, an additional appropriation will be requested, as necessary.

SCHEDULE:

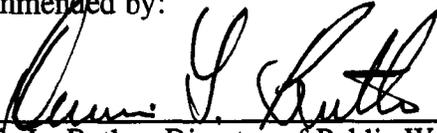
Open Bids	October 19, 1999
Award Contract	November 16, 1999
Begin Construction	December 14, 1999
End Construction	April 6, 2000

Prepared by:



Robert A. Bauman, Deputy Director of Public Works

Recommended by:



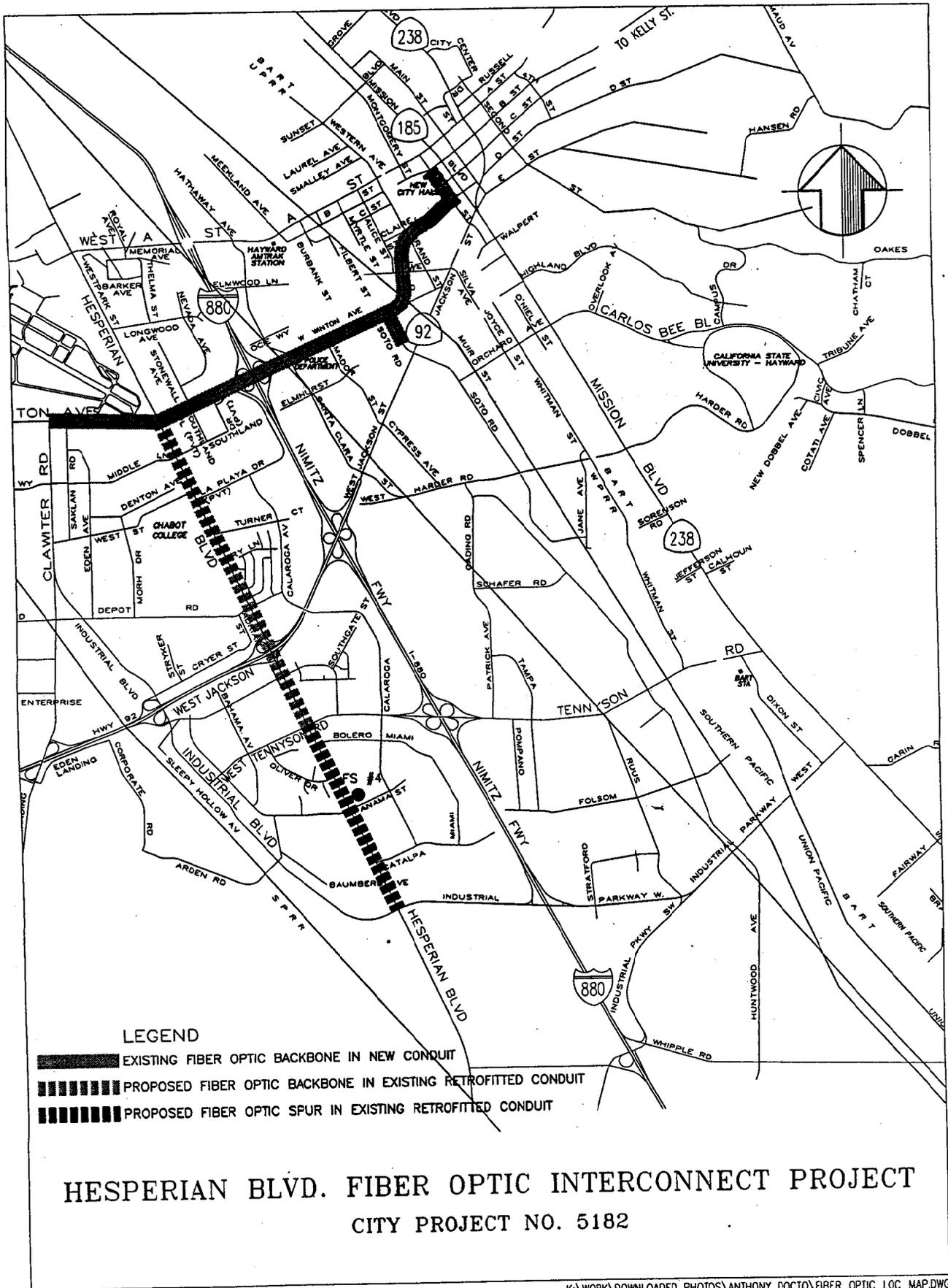
Dennis L. Butler, Director of Public Works

Approved by:



Jesús Armas, City Manager

Attachments: Exhibit A: Location Map



DRAFT

DM 9-16-99

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

**RESOLUTION APPROVING PLANS AND
SPECIFICATIONS FOR THE HESPERIAN BOULEVARD
FIBER OPTICS PROJECT, PROJECT NO. 5182, AND
CALL FOR BIDS**

BE IT RESOLVED by the City Council of the City of Hayward as follows:

1. That those certain plans and specifications for the Hesperian Boulevard Fiber Optics Project, Project No. 5182, on file in the office of the City Clerk, are hereby adopted as the plans and specifications for the project; and
2. That the City Clerk is hereby directed to cause a notice calling for bids for the required work and material to be made in the form and manner provided by law; and
3. That sealed bids therefor will be received by the City Clerk's office at City Hall, 777 B Street, Hayward, California 94541, up to the hour of 2:00 p.m. on Tuesday, October 19, 1999, and immediately thereafter publicly opened and declared by the City Clerk in Conference Room 4D, City Hall, Hayward, California; and
4. That the City Council will consider a report on the bids at a regular meeting following the aforesaid opening and declaration of same.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 1999

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward