



## Legislation Details (With Text)

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Staff Report for a Resolution Accepting the Work for the Fiber Loop Project, Project No. 11-120-28-192

### SUMMARY AND RECOMMENDATIONS

Staff recommends acceptance of the work, filing of the Notice of Completion for the subject project, release of performance and payment bonds, and authorizing the City Manager to release the Maintenance Bond for the subject project upon successful completion of the one-year maintenance period.

### BACKGROUND

The City was informed that the I-880 HOV project would be scheduled to commence in Fall 2012. The project will add a 3-mile long High-Occupancy Vehicle (HOV) lane to I-880 southbound from Hegenberger Road in Oakland to the Marina Boulevard exit in San Leandro. As part of the project, the I-880 interchanges at Davis Street and Marina Boulevard will be reconstructed to allow for the wider freeway. Unfortunately, the project will, for the term of construction, disconnect the fiber optic cables at the east end of the overcrossing on Davis Street, thereby eliminating communication to all of our traffic signals and facilities west of I-880.

By adding fiber optic cables on Washington Avenue between Springlake Drive and Fargo Avenue, the communications going through Davis Street to Doolittle Drive will be routed through East 14<sup>th</sup> Street, Hesperian Boulevard, Halcyon Drive, Washington Avenue, Fargo Avenue, Farnsworth Street, Manor Boulevard, Wicks Boulevard, Merced Street, Williams Street, and back to Doolittle Drive. The result will be the establishment of a complete redundant fiber optic ring throughout the city. This will allow staff to maintain communication with traffic signals and facilities located west of I-880 during the construction of the I-880 HOV project.

The work included pulling fiber optic cable on Washington Avenue between Halcyon Drive and Fargo

Avenue. The 144-strand fiber was pulled through existing conduit underneath the I-880 freeway. New splice connections were made at the terminations at all signals and facilities along the loop. All of the transceivers at signals and facilities connected to the fiber optic system were retrofitted to allow for bi-directional information flow.

### **Analysis**

On July 16, 2012, HP Communications, Inc. was awarded the contract by submitting the lowest responsive bid in the amount of \$96,419.00. Construction began on September 26, 2012 and was completed on January 28, 2013. One major change order was issued to cover unforeseen trouble shooting that was required to complete the work. All work has been done in accordance with the project specifications and City standards and the communication and traffic management systems are fully operational.

### **Current Agency Policies**

Continued development and expansion of the City's Advanced Traffic Management System.

### **Previous Actions**

- On June 4, 2012, by Resolution No. 2012-060, the City Council approved Plans and Specifications and Called for Bids for the subject project
- On July 16, 2012, by Resolution No. 2012-087, the City Council awarded a construction contract to HP Communications, Inc. for the subject project

### **Applicable General Plan Policies**

- Policy 13.02-Keeping Pace with Growth: Improve transportation infrastructure at a rate that keeps pace with growth
- Policy 16.03-Maintenance: Regularly maintain city streets and traffic control devices to ensure that streets operate safely and efficiently

### **Environmental Review**

This project does not require environmental review under the California Environmental Quality Act (CEQA) because the project qualifies as a categorical exemption under the State CEQA Guidelines section 15301(c).

### **Fiscal Impact**

The total cost of the project was \$138,994.00. The cost of the construction contract was as follows:

Original Contract	\$96,419.00
Contract Change Orders	\$42,575.00
Total Contract Amount	\$138,994.00

### **Budget Authority**

The project is funded and approved in the FY 2011-12 budget using Development Fees for Street Improvements (DFSI) funds in account 120-28-192 (Fiber Loop Project) and the General Fund in account 210-28-192 (Fiber Loop Project)

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