



3.16

DEPARTMENT  
OF UTILITIES  
  
ENGINEERING  
SERVICES DIVISION

CITY OF SACRAMENTO  
CALIFORNIA

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February 20, 2004

City Council  
Sacramento, California

Honorable Members in Session:

**SUBJECT: CITY COMMUNICATIONS FIBER OPTIC CABLE INSTALLATION PROJECT (PN:  
EC23) - AWARD CONTRACT TO RICHARD A. HEAPS FOR AN AMOUNT NOT TO  
EXCEED \$660,211.**

**LOCATION AND COUNCIL DISTRICT:**

The construction funded by this project will allow fiber optic cable to be installed to various City facilities such as the Fairbairn Water Treatment Plant, Med Center Reservoir, Alhambra Reservoir, Coloma Community Center, Brighton Heights Communications Center, and the new 911 Dispatch Center.

**RECOMMENDATION:**

Staff recommends that the City Council adopt the attached resolution to accept the responsive low bid from Richard A. Heaps for an amount not to exceed \$660,211 and award the contract.

**CONTACT PERSON: Dave Brent, Engineering Services Manager, 264-1420  
Dave Hansen, Supervising Engineer, 264-1421**

**FOR COUNCIL MEETING OF: March 4, 2004**

**SUMMARY**

Bids were received from fourteen (14) contractors and opened by the City Clerk on February 4, 2004. Richard A. Heaps was the lowest responsive bidder with a bid of \$660,211.

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CITY OF SACRAMENTO  
DEPARTMENT  
OF UTILITIES

*Making a Difference in Your Neighborhood*

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## COMMITTEE/COMMISSION ACTION

None.

## BACKGROUND

This is a joint project between the Departments of Utilities, Public Works, and Information Technology to install fiber optic cable to various City facilities. These facilities include the following: Fairbairn Water Treatment Plant, Med Center Reservoir, Alhambra Reservoir, Coloma Community Center, Brighton Heights Communication Center, and the new 911 Dispatch Center. This project will extend the City's fiber optic cable infrastructure and connect these facilities to the City's main frame computer and the City WAN (Wide Area Network), which provides Internet and Groupwise services. In addition, since the new 911 Dispatch Center will also house the City backup Data Center, the fiber optic cable will be the infrastructure for the City's networks, mission critical applications, email system, telephony systems, internet access, and much more. The Police Department will also be able to use the fiber optic cable to connect to other law enforcement agencies (e.g. Department of Justice, FBI, Sheriff, etc.).

In addition, this project will allow the Department of Utilities to use the fiber optic cable for data communications on their SCADA (Supervisory Control and Data Acquisition) system which provides monitoring and control of remote pumping stations, wells and water reservoirs. The fiber optic cable will provide Traffic Engineering with enhanced traffic control along J Street and the future use of CCTV (Closed Circuit Television) cameras at the intersection of Fair Oaks Boulevard and Howe Avenue. This section of fiber optic cable will also allow the City to branch out with fiber optic cable to other outlying areas and to form a loop system, which will increase the overall reliability of the system.

This project was advertised and fourteen (14) bids were received and opened on February 4, 2004. The bids are summarized below:

<b>Contractor</b>	<b>Bid Amount</b>
Richard A. Heaps	\$660,211
Clyde Steagall, Inc.	\$815,723
Adesta	\$837,540
Arrow Construction	\$841,573
M&M Electric	\$948,200

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<b>Contractor</b>	<b>Bid Amount</b>
Copenhagen Utilities & Construction	\$979,954
Royal Electric	\$995,000
T&S Construction	\$1,103,400
MBI General Engineering	\$1,132,400
ARB Inc.	\$1,208,000
Maztech	\$1,302,912
Irish Construction	\$1,371,374
Filchuck Diversified Services	\$1,393,786
SBC Datacom	\$1,536,869

- Staff recommends contract award to Richard A. Heaps, which exceeded the ESBE goals.
- The estimated completion date is September 24, 2004.
- The engineers estimate was \$1,000,000.

### **FINANCIAL CONSIDERATIONS**

The total project cost including design, construction, inspection and contingency is \$895,878. As of February 5, 2004, the budget for this project (712-500-EC23-4820) is \$800,000, which is insufficient for award and project completion. Therefore, the costs of the construction contract will be shared with the Fiber Optics-FWTP to Alhambra Project (413-500-ZG91-4820) for \$25,000 and with the Parks Department Operations Budget (101-450-4716-4464) for \$71,000.

### **ENVIRONMENTAL DETERMINATION**

The Planning Services Division, Environmental Section, has reviewed the project and has determined that this project is exempt from CEQA under Section 15302(c) of the CEQA Guidelines. A notice of categorical exemption will be filed with the County Clerk after City Council award of the project.

### **POLICY CONSIDERATIONS**

This action is in conformance with City Code Section, 3.60 Articles I and III, which provides that

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the City Council may award competitively bid contracts to the lowest responsible bidder and "advertising for bidding" requirements respectively.

This report's recommendation is consistent with the City's Strategic Plan Goals of enhancing and preserving the neighborhoods and supporting the economic vitality of the area.

**ESBD CONSIDERATIONS**

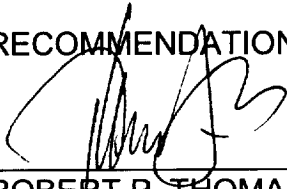
This project included participation goals of 20% for emerging and small business enterprises as required by Ordinance 99-007 and Resolution 99-055, relating to ESBD participation goals and policies, adopted by the City Council on February 9, 1999. The responsive low bidder, Richard A. Heaps, exceeded the ESBE goals with a participation level of 29.33 %.

Respectfully submitted,



Dave Brent  
Engineering Services Manager

RECOMMENDATION APPROVED:



ROBERT P. THOMAS  
City Manager

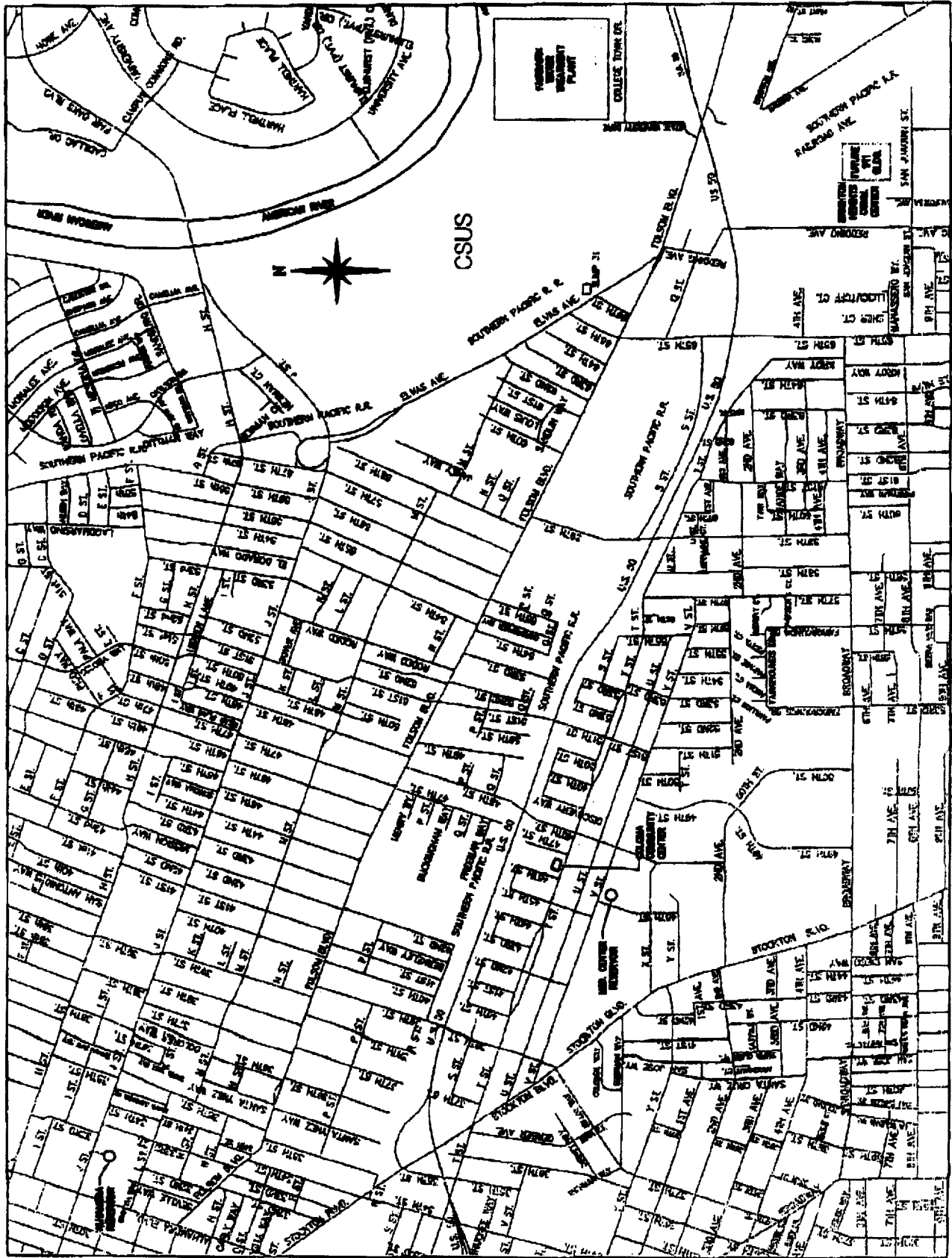
APPROVED:



GARY A. REENTS  
Director of Utilities

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VICINITY MAP

# RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF \_\_\_\_\_

**RESOLUTION TO AUTHORIZE THE CITY MANAGER AND CITY CLERK TO EXECUTE A CONSTRUCTION CONTRACT WITH RICHARD A. HEAPS FOR AN AMOUNT NOT TO EXCEED \$660,211 FOR THE CITY COMMUNICATIONS FIBER OPTIC CABLE INSTALLATION PROJECT (PN: EC23)**

**BE IT RESOLVED BY THE SACRAMENTO CITY COUNCIL THAT:**

The City Manager and City Clerk are authorized to sign and execute a construction contract with Richard A. Heaps for the City Communications Fiber Optic Cable Installation Project (PN: EC23) for an amount not to exceed \$660,211.

\_\_\_\_\_  
MAYOR

ATTEST:

\_\_\_\_\_  
CITY CLERK

\_\_\_\_\_  
FOR CITY CLERK USE ONLY

RESOLUTION NO. \_\_\_\_\_

DATE ADOPTED: \_\_\_\_\_