

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To: Matthew J. Fertal
Dept: City Manager
Subject: PROJECT NO. 7243 – FIBER OPTIC INTERCONNECT SYSTEM AND TRAFFIC MANAGEMENT CENTER TENANT IMPROVEMENT PROJECT, PHASE II

From: Keith G. Jones
Dept: Public Works
Date: June 8, 2010

OBJECTIVE

To award a contract for the Construction of Fiber Interconnect System and Traffic Management Center Tenant Improvement.

BACKGROUND/ DISCUSSION

The project consists of replacing approximately 18.5 miles of existing copper wire interconnect with fiber optic cable, replacing 19 Closed Circuit Television Cameras, upgrading 71 traffic signal controllers, and integrating a new traffic control system to support the new fiber optic/ethernet system. The goal of this project is to enhance the signal synchronization and operational effectiveness along the project corridors and thereby increasing mobility and reducing travel times. Phase I completed approximately 18 miles of new fiber optic cable.

This project will also provide fiber optic communications to 14 water facilities, three fire stations, the Magnolia Park Family Resource Center, the Courtyard Center, and the Sports Center at Atlantis Park.

By providing fiber optic communications to the 14 water facilities, it will allow the Water Division to implement a Supervisory Control and Data Acquisition (SCADA) system. The SCADA system will be used to monitor parameters such as flow, pressure, water depth in tanks, etc. The system can also be used to retrieve stored long-term data and to remotely adjust settings of equipment to alter the system performance such as valves to adjust pressure and/or flow.

Providing fiber optic communications to the three fire stations, the Magnolia Park Family Resource Center, the Courtyard Center, and the Sports Center will provide our Information Technology Department a much more reliable and faster means of communications to these facilities. The fiber optic network is 10 to 60 times faster than wireless, cable, or leased telecom circuits and has the capacity to allow for more efficient use of applications that include data backup, video surveillance, and other bandwidth intensive applications. The fiber will also save about \$170 per month for each facility because the city will no longer need to lease telecom circuits.

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ANALYSIS

Five (5) bids were received in the City Clerk's office at 3:00 p.m. on May 27, 2010, pursuant to Section 20160-20175-1 of the California Public Contract Code (PCC), as required by section 22032(c) of the PCC and Section 2.50.100 and 2.52.010 of the Municipal Code as defined in the City's Purchasing Manual. Two (2) of the five bids, those submitted by International Line Builders and Minako American Corporation dba Minco Construction were deemed non-responsive. The lowest responsive bidder is Moore Electrical Contracting, Inc., with a total bid of \$3,703,121.00. This bid is within the current project budget. The licenses and references of the contractor have been reviewed and verified by staff, and all other documentation is in order.

The anticipated contract schedule is as follows:

Begin Construction (estimated)	July 12, 2010
Complete Construction (estimated)	May 27, 2011

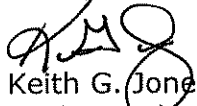
FINANCIAL IMPACT

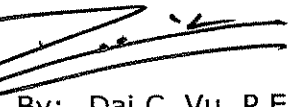
There is no financial impact to the General Fund. The project will be funded through a Traffic Light Synchronization Program (TLSP) grant, Gas Tax, OCTA CTFP grants, and the Water Fund.

RECOMMENDATION

It is recommended that the City Council:

- Award the contract to Moore Electrical Contracting, Inc. for \$3,703,121.00
- Authorize the City Manager to execute the agreement on behalf of the City.

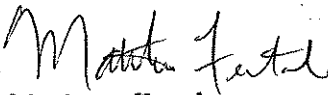
NCM

Keith G. Jones
Public Works Director


By: Dai C. Vu, P.E.
Associate Engineer

Attachment: Bid Summary

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Recommended for Approval


Matthew Fertal
City Manager

CITY OF GARDEN GROVE
PUBLIC WORKS DEPARTMENT
Engineering Division

BID SUMMARY SHEET

STATE NO. TLSPL-5328(061), CITY PROJECT NO. 7243

FIBER OPTIC INTERCONNECT SYSTEM AND TRAFFIC MANAGEMENT CENTER TENANT
IMPROVEMENT PROJECT, PHASE II

BID OPENING: 3:00 P.M. ON MAY 27, 2010

	Responsive Bidder's Name	Total Bid	Comments
1	Moore Electrical Contracting, Inc.	\$ 3,703,121.00	
2	Manuel Brothers	\$ 3,811,542.30	
3	Comet Electric, Inc.	\$ 4,555,770.00	