

City of Culver City, California
City Council Agenda Item Report

Meeting Date: 01/26/2009		Item Number: <u>C-7</u>	
AGENDA ITEM: Acceptance of the Work Performed by KDC, Inc. (dba Dynalectric) for the Traffic Signal Upgrade and Certification of the Signal Communication Infrastructure Components of Work, Authorization to File a Notice of Completion and Authorization to Release the Balance of the Retention Payment for the Fox Hills Area Traffic Signal Synchronization Project, P-852			
Contact Person/Dept.: Elaine Jeng/PW, Max Paetzold/PW		Phone Number: 310-253-5621, 310-253-5613	
Fiscal Impact: Yes ☒ No ☐		General Fund: Yes ☒ No ☐	
Public Hearing: ☐		Action Item: ☐ Attachments: ☒	
Public Notification: Notify KDC, Inc. January 23, 2009; Master E-Mail Notification List (01/21/09)			
Department Approval: Charles D. Herbertson (01/15/09)		City Attorney Approval: Carol Schwab (by H. Baker) (01/15/09)	
Chief Financial Officer Approval: Jeff Muir (by N. Kimball) (01/21/09)		City Manager Approval: Jerry B. Fulwood (01/21/09)	
<u>RECOMMENDATION</u> Staff recommends the City Council take the following actions related to the construction of the Fox Hills Traffic Signal Synchronization traffic signal upgrade and certification of the signal communication infrastructure components of work ("the project"): • Accept the work performed by KDC, Inc. (dba Dynalectric); • Authorize the filing (recording) of the Notice of Completion for the Project; and • Authorize the release of the balance of the retention payment in the amount of \$80,607.94 to Dynalectric after the thirty-five (35) day lien period expires.			
<u>BACKGROUND</u> The City received funding for the Fox Hills Area Traffic Signal Synchronization Project from the Los Angeles County Metropolitan Authority (Metro) 2001 Call for Projects program. The application proposed multiple components of work comprised of upgrading 12 traffic signals within the Fox Hills area, switching existing traffic signal data transmission from copper wire interconnection to the City's existing fiber optic network, providing mutual video CCTV camera surveillance capability between Culver City and the Los Angeles Department of Transportation (LADOT), certifying the City's existing traffic signal communication infrastructure and acquiring a citywide Traffic Control System (TCS).			

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On January 28, 2008, the City Council awarded a contract to Dynalectric for the construction of the project. The project included the following components of work:

- Upgrade of 12 existing signalized locations (replace underground wiring, overhead signals, addition of signage and signal wiring) and;
- Certifying the City's existing traffic signal communication infrastructure.

DISCUSSION:

A notice to proceed was issued to Dynalectric on March 7, 2008, and work commenced on March 10, 2008. The contract period was 90 calendar days. The original contract awarded to Dynalectric was \$676,900 with change order authority of \$70,000 provided to the Director of Public Works/City Engineer. Staff took on the role of construction management with the Nickerson Company providing limited inspection services paid through project funds.

The City Council provided additional change order authority of \$100,000, in addition to previously authorized \$70,000, on July 28, 2008, in order to resolve the difficulties experienced with existing underground conduits encountered in the project. The July 28, 2008 agenda report is attached.

During construction, the existing conduits were found to be old. Some were damaged and others were "frozen" such that existing wires in the conduits were immovable. To resolve these unforeseen field conditions, four Contract Change Orders (CCOs) were approved to install new conduits to house new multi-conductor field wires and interconnect communication wires.

The certification of the existing communication infrastructure (copper lines) component of work resulted in the discovery of numerous discontinued copper lines connected by boot splices as well as a gap in communication to City Hall. Thus two CCOs were approved to install new interconnect communication wires.

The project was completed on September 25, 2008, with a total of twelve (12) CCOs totaling \$129,179.42. The aforementioned six CCOs made up approximately 80% (\$103,000) of the total CCO cost. The remaining six CCOs involved additional curb work, signal cabinet modifications due to presence of street lighting, additional pull boxes dictated by Southern California Edison and additional changes to the intersection due to the presence of red-light camera technology upgrades. The final project cost is \$806,079.42.

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Because the scope of each of the CCOs were attributed to unforeseen field conditions, and/or unforeseen needs, the contract time was extended based on the appropriate days according to the scope of the additional work.

FISCAL ANALYSIS

The project has a total \$1,851,000 in funds plus an additional \$185,100 of supplemental funds received in 2007, bringing the total project grant funds to \$2,036,100. The local match is \$414,275 out of the total budget of \$2,450,375 for all components of the project. This represents the completion of this component only. The remaining funding will be needed to complete the other components of the project.

Final Project Cost (Signal Upgrade & Certification Components Only)	
Original Project Cost	\$676,900.00
Total Change Orders	\$129,179.42
Total Project Cost	\$806,079.42

This project is funded by local Prop C money, not state or federal funds. At this point, there is no indication that previously approved Prop C funded projects such as this one will be affected by the delay in grant payments being experienced by state and federally funded grant projects.

To date, in addition to this component of the project, funds from P-852 have been expended on the Signal Upgrade/Infrastructure Certification and mutual video surveillance design, construction of the mutual video surveillance component of work, and the hiring of a system manager for the TCS component of the project. The project is expected to expend funds this fiscal year for the installation and integration of the TCS and the construction of a new Information Technology room to house the TCS.

ATTACHMENTS

1. July 28, 2008 Council Report

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MOTION

That the City Council:

- 1) Accept the work performed by Dynalectric for the Fox Hills Traffic Signal Synchronization, Traffic Signal Upgrade and Signal Communication Infrastructure Certification work;
- 2) Authorize the filing (recording) of the Notice of Completion for the Project and;
- 3) Authorize the release of the balance of the retention payment in the amount of \$80,607.94 to Dynalectric after the thirty-five (35) day lien period expires.