

MEETING DATE: 1/26/09

AGENDA ITEM: Acceptance of the Work Performed by the Contractor KDC, Inc. (dba Dynalectric) for the Traffic Signal Upgrade and Certification of the Signal Communication Infrastructure Components of Work and 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

ATTACHMENTS

		<u>Pages</u>
1	July 28, 2008 Council Report	1-10

City of Culver City, California
City Council Agenda Item Report

Date: 07/28/08		Item Number: C-10	
AGENDA ITEM: Request for Additional Change Order Authority for Traffic Signal Upgrade Communication Infrastructure Certification Components of Work for the Fox Hills Area Traffic Signal Synchronization Project, P-852.			
Contact Person/Dept.: Elaine Jeng/PW		Phone Number: (310) 253-5621	
Fiscal Impact: Yes ☒ No ☐		General Fund: Yes ☐ No ☒	
Public Hearing: ☐		Action Item: ☒	Attachments: ☒
Public Notification: Master E-Mail Notification List on (07/2408).			
Department Head Approval: Charles D. Herbertson (07/17/08)		City Attorney Approval: Carol Schwab (by H. Baker) (07/21/08)	
Chief Financial Officer Approval: Jeff Muir (by N. Kimball) (07/22/08)		City Manager Approval: Jerry B. Fulwood (07/23/08)	

RECOMMENDATION:

Staff recommends the City Council authorize the Public Works Director/City Engineer to approve change orders, as necessary, in an amount not to exceed \$100,000 (in addition to the original \$70,000 change order authority) for the Traffic Signal Upgrade / Communication Infrastructure Certification component of the Fox Hills Area Traffic Signal Synchronization Project, P-852.

BACKGROUND:

The City Council approved the award of a construction contract to KDC Inc. (DBA Dynalectric) on January 28, 2008 for an amount not to exceed \$676,900 with a contingency of \$70,000 at the discretion of the Director of Public Works/City Engineer.

The work includes upgrade of existing traffic controllers, street signs, multi-conductor wires (signal phasing), DLC (loop detectors), Emergency Vehicle Preemption (EVP) cables, and the testing of the interconnect wires. Dynalectric commenced work on March 10, 2008 and as of date the contractor has completed approximately 50% of the work, including the upgrade to signalized intersections along Hannum Avenue (4 locations), and is currently working on signalized intersections along Green Valley Circle (2 locations) and Centinela Avenue (2 locations).

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DISCUSSION:

CHANGE ORDERS TO DATE

In the process of upgrading wires, Dynalectric encountered difficulties with the City's existing conduit. The conduits were found to be old; some were damaged and others were "frozen" such that existing wires in the conduits were immovable. In either case, damaged or frozen, the existing wires in the conduits cannot be removed and thus new wires cannot be installed. To resolve these unforeseen field conditions, three change orders were approved to install new conduits for the installation of new multi-conductor wires and interconnect wires.

Another change order was approved to install new interconnect wires along Hannum Avenue, from Slauson Avenue to Slauson Avenue at Buckingham Parkway due to existing deficiencies.

To date, the project utilized \$63,901.56 out of previously approved \$70,000 of contingency.

CURRENT NEED

Present work at Hannum Avenue/Green Valley Circle and Buckingham Parkway/Green Valley Circle showed presence of damaged and frozen conduits. To install new multi-conductor wires at these locations, the project will need to install new 3" conduits. Preliminary estimate associated with the installation of new conduits at the aforementioned locations is approximately \$30,000.

The requested additional \$100,000 in change order authority will expedite the extra work approval process in the event the project encounters similar conditions at the remaining project locations. Since the upgrade and certification testing are components of the overall Fox Hills Area Traffic Signal Synchronization project, any unused money will be available for the next component of work.

FISCAL ANALYSIS:

There are sufficient funds available in the adopted 2008/09 Capital Improvement Budget with reimbursable Metro (MTA) Grant funds (42300852) and State Gas Tax funds (41800852) to pay for the proposed work.

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ATTACHMENT:

- A. January 28, 2008 Staff Report
- B. November 26, 2007 Staff Report

MOTION:

That the City Council authorize the Public Works Director/City Engineer to approve change orders, as necessary, in an amount not to exceed \$100,000 (in addition to the original \$70,000 change order capacity) for the Traffic Signal Upgrade / Communication Infrastructure Certification Component of the Fox Hills Area Traffic Signal Synchronization Project, P-852.

MEETING DATE: 7/28/08

AGENDA ITEM: Request for Additional Funding for Traffic Signal Upgrade
Communication Infrastructure Certification components
of work for the Fox Hills Area Traffic Signal
Synchronization Project, P-852.

ATTACHMENTS

		<u>Pages</u>
1	January 28, 2008 Staff Report	1-2
2	November 26, 2007 Staff Report	3-6

**City of Culver City, California
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Date: 01/28/08		Item Number: A-5											
AGENDA ITEM: Correction to the Award of Construction Contract to KDC Inc. (DBA Dynalectric) for the Traffic Signal Upgrade/Communication Infrastructure Certification Components of Work for the Fox Hills Area Traffic Signal Synchronization Project, P-852.													
Contact Person/Dept.: Elaine Jeng/PW		Phone Number: (310) 253-5621											
Fiscal Impact: Yes ☒ No ☐		General Fund: Yes ☒ No ☐											
Public Hearing: ☐		Action Item: ☒ Attachments: ☒											
Public Notification: Moore Electric, Comet Electric, Freeway Electric, KDC Inc. , and Crosstown Electric on January 23, 2008 via email; Master Notification List on January 23, 2008													
Department Head Approval: Charles D. Herbertson 1/16/2008		City Attorney Approval: Carol Schwab (by H. Baker) (01/23/08)											
Fiscal Impact Review: Jeff Muir (by N. Kimball)(01/23/08)		City Manager Approval: Jerry B. Fulwood (01/23/2008)											
<u>RECOMMENDATION:</u> Staff recommends the City Council award a construction contract to KDC Inc. (DBA Dynalectric) for an amount not to exceed \$676,900 for the construction of the Traffic Signal Upgrade/Communication Infrastructure Certification components of the Fox Hills Area Traffic Signal Synchronization Project P-852. <u>BACKGROUND/DISCUSSION:</u> The City Council approved the award of a construction contract to KDC Inc. (DBA Dynalectric) on November 26, 2007 for an amount not to exceed \$602,420. Subsequently staff discovered a mathematical error in the addition of the bid items shown in Attachment B. Instead of \$602,420, the total bid submitted by Dynalectric was \$676,900. The corrected bid amount is still below the other contractors' bid amounts. <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <tr> <th style="width: 20%;"></th> <th style="width: 20%;">KDC Inc.</th> <th style="width: 20%;">Freeway</th> <th style="width: 20%;">Comet</th> <th style="width: 20%;">Moore</th> </tr> <tr> <td>Bid Amount</td> <td style="text-align: right;">\$676,900</td> <td style="text-align: right;">\$734,500</td> <td style="text-align: right;">\$791,000</td> <td style="text-align: right;">\$769,321</td> </tr> </table> This report recommends that the award of the construction contract to KDC Inc., (DBA Dynalectric) for a not-to-exceed contract fee of \$602,420 be rescinded.					KDC Inc.	Freeway	Comet	Moore	Bid Amount	\$676,900	\$734,500	\$791,000	\$769,321
	KDC Inc.	Freeway	Comet	Moore									
Bid Amount	\$676,900	\$734,500	\$791,000	\$769,321									
A5-1													

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Staff now is recommending that the City Council authorize a new corrected construction contract amount with KDC Inc. for a not-to-exceed contract fee of \$676,900.

FISCAL ANALYSIS:

There are sufficient funds in the adopted 2007/08 Capital Improvement Budget for the Fox Hills Area Traffic Signal Synchronization Project (P-852), which includes reimbursable Metro (MTA) Grant funds, developer mitigation funds, and State Gas Tax funds, to fund the proposed work.

ATTACHMENTS:

- A. November 26, 2007 Staff Report
- B. Revised Attachment B from the November 26, 2007 Staff Report: Compilation of bid results for the Traffic Signal Upgrade and Communication Infrastructure Certification components of the Fox Hills Area Traffic Signal Synchronization Project, P-852

MOTION:

That the City Council:

- 1) Rescind previous authority to enter into a construction contract with KDC Inc. (DBA Dynalectric) for a not-to-exceed contract fee of \$602,420 for the Traffic Signal Upgrade and Communication Infrastructure Certification components of the Fox Hills Area Traffic Signal Synchronization Project, P-852;
- 2) Authorize a construction contract with KDC Inc. (DBA Dynalectric) for a not-to-exceed contract fee of \$676,900 for the Traffic Signal Upgrade and Communication Infrastructure Certification components of Fox Hills Area Traffic Signal Synchronization Project P-852;
- 3) Authorize the Director of Public Works/City Engineer to have the authority to approve change orders totaling to a not-to-exceed amount of \$70,000 for the Traffic Signal Upgrade and Communication Infrastructure Certification contract; and
- 4) Authorize the City Attorney to prepare the necessary documents and the City Manager to execute the documents on behalf of the City.

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Date: 11/26/07		Item Number: A-8	
AGENDA ITEM: Award a Construction Contract to KDC Inc. (DBA Dynalectric) for the Copper to Fiber Optic/Mutual Video Surveillance Equipment Change Over; and Award a Construction Contract to KDC Inc. (DBA Dynalectric) for the Traffic Signal Upgrade /Communication Infrastructure Certification components of work for the Fox Hills Area Traffic Signal Synchronization Project, P-852			
Contact Person/Dept.: Elaine Jeng/PW		Phone Number: (310) 253-5621	
Fiscal Impact: Yes ☒ No ☐		General Fund: Yes ☒ No ☐	
Public Hearing: ☐		Action Item: ☒ Attachments: ☒	
Public Notification: Notify Moore Electric, Comet Electric, Freeway Electric, KDC Inc. , and Crosstown Electric on November 20, 2007 via email; Master Notification List on November 21, 2007			
Department Head Approval: Charles D. Herbertson 11/15/07		City Attorney Approval: Carol Schwab (by H. Iker) (11/20/07)	
Fiscal Impact Review: Marlee Chang (by N. Kimball)(11/20/07)		City Manager Approval: Jerry B. Fulwood (11/21/2007)	
<u>RECOMMENDATION:</u> Staff recommends the City Council award the following: • A construction contract to KDC Inc. (DBA Dynalectric) for an amount not to exceed \$71,865 for the construction of the Copper to Fiber Optic/Mutual Video Surveillance Equipment Change Over; and • A construction contract to KDC Inc. (DBA Dynalectric) for amount not to exceed \$602,420 for the construction of the Traffic Signal Upgrade and Citywide Communication Infrastructure Certification components of the Fox Hills Area Traffic Signal Synchronization Project P-852. <u>BACKGROUND:</u> Staff submitted the Fox Hills Area Traffic Signal Synchronization Project to the Los Angeles County Metropolitan Authority (Metro) 2001 Call for Projects program for funding. The application proposed multiple components of work comprising of upgrading 12 traffic signals within the Fox Hills area, switching existing traffic signal data transmission from copper wire interconnect to the City's existing fiber optic network, providing mutual video surveillance capability between Culver City and Los Angeles Department of Transportation (LADOT), certifying the City's existing traffic signal communication infrastructure and acquiring a citywide traffic control system. The project, CIP P-852, has a total adopted budget of \$1,848,000 (\$1,483,000 in Prop C grant funds and \$365,160 in matching Gas Tax funds). In June 2007, Metro			

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granted an additional \$138,825 for the project, which requires a local match of \$46,275.

On October 8, 2007, the City Council approved the final plans and specifications and authorized the advertising of construction bids for one component of the Fox Hills Traffic Signal Synchronization Project (Fox Hills Project): the upgrade of twelve (12) traffic signals and the certification of existing traffic signal communication infrastructure.

DISCUSSION:

Copper to Fiber Optic/Mutual Video Surveillance Equipment Change Over, Bid 1362

This component was advertised during October 2007 and on Thursday, November 8, 2007, the Deputy City Clerk publicly opened the bids. Bids were received from KDC Inc. (DBA Dynalectric), Moore Electrical Contracting Inc. and Crosstown Electrical and Data Inc.

Bidders were instructed to provide bids for two options for procuring equipment and installation of the Copper to Fiber Optic scope of work. Selection of the lowest and responsive bidder would be based on the lowest bid of the total project (Copper to Fiber Optic and Mutual Video Surveillance equipment change over). The table below summarizes the bids submitted by the aforementioned companies.

	KDC Inc.	Moore Electrical	Crosstown Electrical and Data
Option 1	\$35,495	\$33,296	\$49,000
Option 2	\$33,385	\$33,196	\$51,000
Mutual Video	\$48,700	\$48,893	\$48,700
Total w/Opt 1	\$73,975	\$82,189	\$97,700
Total w/Opt 2	\$71,865	\$82,089	\$99,700
Lowest Total	\$71,865	\$82,089	\$97,700

Staff reviewed the bid proposal submitted by KDC Inc. and concludes the bid documents are complete. The bonding information meets City requirements. Staff reviewed their references and found that they performed satisfactorily in other jurisdictions for similar work. KDC has satisfactorily completed several major capital

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improvement projects for fiber optic installation for the City and Redevelopment Agency in the past several years.

Traffic Signal Upgrade and Communication Infrastructure Certification, Bid 1375

On Thursday, November 8, 2007, the Deputy City Clerk publicly opened bids. Bids were received from KDC Inc. (DBA Dynalectric), Freeway Electric, Comet Electric Inc. and Moore Electrical Contracting Inc.

The table below summaries the bids submitted by the aforementioned companies.

	KDC Inc.	Freeway Electric	Moore Electrical	Comet Electric
Bid Amount	\$602,420	\$734,500	\$769,321	\$791,000

Staff reviewed the bid proposal submitted by KDC Inc. and concludes the bid documents are responsive and complete. The bonding information meets City requirements. As previously mentioned, KDC has satisfactorily performed similar work for other jurisdictions and for Culver City.

FISCAL ANALYSIS:

The adopted 2007/08 CIP budget includes sufficient funds in the Fox Hills Area Traffic Signal Synchronization project, P-852.

<u>Funding Source</u>	<u>Current Available Amount*</u>
418 Special Gas Tax	\$262,395
423 Capital Grants	\$1,359,400
TOTAL	\$1,621,795

***NOTE:** The available amount does not include the additional funds granted by Metro. The City Council will be considering a budget amendment to appropriate those funds on tonight's agenda.

ATTACHMENT:

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- A. Compilation of bid results for the Copper to Fiber Optic and Mutual Video Surveillance Equipment Change Over component of the Fox Hills Area Traffic Signal Synchronization Project, P-852
- B. Compilation of bid results for the Traffic Signal Upgrade and Communication Infrastructure Certification components of the Fox Hills Area Traffic Signal Synchronization Project, P-852

MOTION:

That the City Council:

- 1) Award a construction contract to KDC Inc. (DBA Dynalectric) for a not-to-exceed contract amount of \$71,865 for the Copper to Fiber Optic and Mutual Video Surveillance Equipment Change Over components of the Fox Hills Area Traffic Signal Synchronization Project P-852;
- 2) Award a construction contract to KDC Inc. (DBA Dynalectric) for a not-to-exceed contract fee of \$602,420 for the Traffic Signal Upgrade and Communication Infrastructure Certification components of Fox Hills Area Traffic Signal Synchronization Project P-852;
- 3) Authorize the Director of Public Works/City Engineer to approve change orders totaling a not-to-exceed amount of \$7,000 for the Copper to Fiber Optic and Mutual Video Surveillance Equipment Change Over;
- 4) Authorize the Director of Public Works/City Engineer to approve change orders totaling to a not-to-exceed amount of \$60,000 for the Traffic Signal Upgrade and Communication Infrastructure Certification contract; and
- 5) Authorize the City Attorney to review/prepare the necessary documents and authorize the City Manager to execute such documents on behalf of the City.