

**City of Culver City, California
Agenda Item Report**

Meeting Date: 08/23/2010		Item Number: <u>C-9</u>	
CITY COUNCIL AGENDA ITEM: (1) Acceptance of Work Performed by Corona Constructors and Kimley-Horn Associates Inc.; (2) Authorization to File Notices of Completion; (3) Authorization to Release the Balance of Retention Payments after the Expiration of the 35-Day Lien Period; and (4) Acceptance of the Fox Hills Area Signal Synchronization Project, P852 in its Entirety			
Contact Person/Dept.: Elaine Jeng/PW		Phone Number: 310-253-5621	
Fiscal Impact: Yes ☒ No ☐		General Fund: Yes ☐ No ☒	
Public Hearing: ☐		Action Item: ☐ Attachments: ☒	
Commission Action Required: Yes ☐ No ☒ Date: _____			
Public Notification: (E-Mail) Agenda and Meetings – City Council (08/18/2010)			
Department Approval: Charles D. Herbertson 08/12/2010		City Attorney Approval: Carol Schwab (by H. Baker) (08/18/10)	
Chief Financial Officer Approval: Jeff Muir (N. Kimball) (08/18/10)		City Manager Approval: John M. Nachbar (08/18/10)	
<u>RECOMMENDATION:</u> Staff recommends the City Council: (1) Accept work performed by Corona Constructors (traffic management center construction) and Kimley-Horn Associates Inc., (traffic control system installation); (2) Authorize the filing (recording) of the Notices of Completion; (3) Authorize the release of the balance of retention to Corona Constructors in the amount of \$4,881.90 and Kimley-Horn Associates inc. in the amount of \$50,624.28 after the expiration of the respective 35-day lien periods; and, (4) Accept the Fox Hills Area Signal Synchronization Los Angeles County Metropolitan Transportation Authority (Metro) Call for Project grant project in its entirety <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 comprised of upgrading twelve 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			

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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 (TCS). All components of the project were completed on or before June 30, 2010, the lapse date of the grant. The most recently completed scopes of work are the construction of the Traffic Management Center (TMC) and the installation of the traffic control system – KITS.

Corona Constructors was hired to construct the TMC. Iteris Inc., (Iteris) was already contracted with the City as the System Manager for the P-852 project during the initial phases. Added to their task was the integration of the electronic devices in the TMC upon the completion of the construction. Kimley-Horn Associates Inc., (KHA) was selected through a competitive process to provide their commercially available (off-the-shelf) traffic control system, KITS. In conjunction with the TCS installation effort, the City contracted separately with Crosstown Inc., to perform communication infrastructure fixes as a part of the TCS installation.

DISCUSSION:

Corona Constructors

On May 3, 2010, the City Council awarded a construction contract to Corona Constructors for a total lump sum of \$43,425 with change order authority of \$6,500 provided to the Public Works Director/City Engineer. The contract period was 30 calendar days. Staff took on the role of construction management with the Building and Safety Division conducting inspection. The contractor was requested to perform an additional \$5,394 of work. The following table provides a summary of the project cost. A detailed work summary is attached to this report.

Final Contract Cost (Construction of Traffic Management Center)	
Original Project Cost	\$43,425
Total Change Orders	\$5,394
Total Project Cost	\$48,819

Kimley-Horn Associates, Inc.

On December 22, 2008, the City Council approved a professional services agreement with Kimley-Horn Associates Inc., (KHA) to provide a commercial off-the shelf traffic control system, KITS. KHA's contract was for a total lump sum of \$473,516 with change order authority of \$57,352 provided to the Public Works Director/City Engineer. The contract also set aside \$100,000 for communication repairs, if necessary. It was negotiated with and agreed to by KHA that the \$100,000 part of their contract would be dedicated to paying for items such as replacing copper wires, replacing interconnect conduits, and replacing field devices such as traffic controller modems, connector cables and things of similar nature.

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Staff took on the role of construction management with the Public Works maintenance operations, traffic signal technicians serving as inspectors. Iteris served as the City's technical manager, overseeing KHA's adherence to the technical specifications of the contract. A detailed work summary is attached to this report.

The following table provides a summary of the cost with KHA.

Final Contract Cost (TCS Installation)	
Original Project Cost	\$473,516
CCO 1 (405 Widening Locations)	\$5,400
CCO 2 (McCain Assist)	\$13,000
(Network Migration)	\$5,000
(Excel Import/Export)	\$32,500
\$100,000 Communication Allocation	
Task 1	\$8,000
Task 2 (Filter Payment to Crosstown)	\$19,327
Task 3 (T/M Comm Assist)	\$6,400
Total	\$563,143

The City's KITS currently has all traffic signals on-line with the exception of the future new signalized locations at National Boulevard/Eastham Avenue, Washington Boulevard/McLaughlin Avenue. and locations not on-line due to the Exposition Light Rail project; National Boulevard/Wesley Street, National Boulevard/Hayden Avenue, and Eastham Avenue/Higuera Street. The Traffic Control System has been in stable operation for approximately 3 months and staff has been using it as a monitoring/control tool. As a part of the project, KHA will be providing 3 years of warranty from the date of City Council's acceptance of project.

Fox Hills Signal Synchronization Project as a Whole

The following summarizes key additions and benefits to the City as part of the project:

- Upgrade of 12 signalized locations in the Fox Hills neighborhood to Type 170 series controllers, thereby making the city consistent in its controller inventory;
- Surveyed and documented existing copper infrastructure including all links of communication between City Hall and each individual field controller;
- Repairs and replacement of legacy equipment and supplying a surplus inventory for future replacement;
- Mutual video (CCTV) sharing of ten of City of Los Angeles (COLA) cameras located on the boarder of the two jurisdictions including control of COLA cameras;

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- Upgrade the capacity of the copper infrastructure for newly added signalized locations within the City;
- Installation and usage of a centralized traffic control system for monitoring and control of all signalized locations within the City including the capability to track signal timing changes, creation of a turning movement traffic counts data base and the ability to alarm on-call staff of an event taking place at any signalized location; and
- A central location for traffic monitoring/control operations at City Hall.

FISCAL ANALYSIS:

Budget Source	Amount
Prop C – Discretionary (42300852)	\$876,000
Prop C – Discretionary (42300852)	\$607,000
Prop C – Transfer in to Gen Fund Capital (42300852)	\$138,825
Crown WaterRidge Mitigation Funds (55093504)	\$189,665
Gas Tax (41800852)	\$224,610
Total Sources:	\$2,036,100

Project components	Contract Amounts
Signal Design	\$154,440.00
Signal Upgrade	\$806,079.42
Mutual Video/Copper to Fiber	\$69,757.56
Server Room Design	\$10,000.00
Sever Room Construction	\$24,047.03
Configuration Management (include TMC integration, TMC equipment purchase, TMC design)	\$208,892.56
Traffic Control System Installation	\$529,415.78
Communication Survey	\$33,727.00
TMC Construction	\$48,819.00
Crosstown Field Fixes	\$23,411.68
Traffic Signal Hardware/Devices Purchase	\$109,431.33
Total Uses	\$2,018,021.36

The original MOU with Metro was fully executed in April 2006 with \$1,483,000 with Proposition C grant funding and \$368,000 (20%) local match from Gas Tax. The project under the original MOU was to be completed by June 30, 2008. Immediately following the full execution of the MOU, staff advertised a design RFP for the signal controller upgrade. The City Council awarded the first contract for the project in September 2006. Since that time, the City Council awarded another 9 contracts (construction, professional or purchase orders). A total of 13 contracts were used to complete the entire project. The remaining 2 contracts were under \$10,000. Staff

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applied for supplemental funding for this project and was granted \$138,825 of additional Proposition C funds with \$46,275 (25%) local match from State Gas Tax funds. Total approved funding was \$2,036,100; of which \$1,621,825 was Proposition C grant fund and \$414,275 local match using Gas Tax and developer mitigation funds.

Due to the magnitude and the complexity of the project coupled with the need to address legacy infrastructure/equipment, many components of the project could not have been designed or constructed simultaneously as originally intended. There were critical paths to physical work as well as budget management. Staff had to be cognizant of expenditures for initial scopes of work to provide adequately for later phases. Staff requested project extensions to Metro on two separate occasions. The first request in April 2008 for a one year extension to June 30, 2009; the second request was made in April 2009 for a one year extension to June 30, 2010.

There were total of 17 quarterly reports submitted to Metro and all reports were submitted on a timely basis. Each report was verified with accounting staff to be in agreement with the City's general ledger prior to submission. The only outstanding reimbursement from Metro is the amount of \$377,196.03 from the last quarterly report that covered the period between April 1, 2010 and June 30, 2010 submitted on July 14, 2010 and the retention held by Metro in the amount of \$73,116.29.

The final total project expenditure was \$2,018,021.36; of which \$1,607,068.91 was Proposition C grant fund and \$410,952.45 local match using a combination of Gas Tax, and Developer Mitigation fees. \$18,078.64 out of the total project fund was unspent; of which \$14,756.09 was Proposition C grant fund and \$3,322.55 was local match. (Applicable Developer Fees were used in lieu of Gas Tax during the life of the project, allowing the Gas Tax to be available for other underfunded projects.)

ATTACHMENT:

1. Project details to Corona Constructor contract
2. Project details to Kimley-Horn Associates, Inc. contract

MOTIONS:

- 1) Accept the work performed by Corona Constructors for the Fox Hills Traffic Signal Synchronization, construction of the Traffic Management Center; and,
- 2) Authorize the filing (recording) of the Notice of Completion; and,
- 3) Authorize the release of the balance of the retention payment in the amount of \$4,881.90 to Corona Constructors after the expiration of the thirty-five (35) day lien period; and.

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- 4) Accept the work performed by Kimley-Horn Associates Inc., for the Fox Hills Traffic Signal Synchronization, installation of a traffic control system; and,
- 5) Authorize the filing (recording) of the Notice of Completion; and,
- 6) Authorize the release of the balance of the retention payment in the amount of \$50,624.28 to Kimley-Horn Associates Inc. after the expiration of the 35-day lien period, and,
- 7) Accept the Fox Hills Area Signal Synchronization Los Angeles County Metropolitan Transportation Authority (Metro) Call for Project grant project, P-852 in its entirety and authorize staff to request an audit from Metro for reimbursement of the retention held and to close out the project
- 8) Authorize the filing (recording) of the Notice of Completion for the entire project.