



AGENDA REPORT

SAN CLEMENTE CITY COUNCIL MEETING
Meeting Date: August 19, 2014

Agenda Item 601
Approvals:
City Manager [Signature]
Dept. Head [Signature]
Attorney [Signature]
Finance [Signature]

Department: Public Works / Engineering
Prepared By: Tom Frank, Transportation Engineering Manager

Subject: *CITY COUNCIL ACCEPTANCE AND NOTICE OF COMPLETION FOR THE TRAFFIC SIGNAL SYSTEMS UPGRADE PROJECT FOR AVENIDA PICO AND EL CAMINO REAL, PROJECT NOS. 13305 & 13307.*

Fiscal Impact: Yes. Supplemental appropriations of \$54,900 and \$30,900 will reduce the Gas Tax Fund balance by \$85,800 from \$1.85 to \$1.76 million.

Summary: Select Electric, Inc. has completed the installation of various traffic signal system upgrades as required by the project specifications. Staff recommends that Council accept the following projects:

- Traffic Signal Systems Upgrade Project for Avenida Pico, Project Nos. 13305
- Traffic Signal Systems Upgrade Project for El Camino Real, Project Nos. 13307

Background: The contract was awarded to Select Electric, Inc. on June 18, 2013 for upgrading traffic signal communication infrastructure associated with the signal synchronization projects on Avenida Pico and El Camino Real. A summary of the work completed includes:

- Over 12,000 feet of 3-inch signal conduit.
- 31,900 feet of 12 single-mode fiber optic (SMFO) cable and 27,200 feet of 24 single-mode fiber optic (SMFO) cable
- A wireless communication system to communicate with six intersections on El Camino Real.
- Conduit and fiber optic cable to connect the signal synchronization system directly to the City's information technology (IT) server rooms at Building K at the Public Works yard, City Hall, and the Community Development Building.

These improvements complete the backbone of a full web-based Traffic Management System, which is a long term goal of the City. The projects enabled the synchronization of the 21 signalized intersections on Avenida Pico from El Camino Real to Camino Celosia and the 17 signals on El Camino Real from San Luis Rey to Camino Capistrano.

Discussion: The project budget summary provided in Attachment 3 shows a total project budget of \$1,232,400 and estimated an expenditure of \$1,318,102, leaving an \$85,702 shortfall. The specific work items that exceeded their line item budgets included the contract work with Select Electric and staff time during the construction phase of the project. The undisputed change orders were mainly for additional conduit and fiber optic cable

needed to complete the project and additional cost due to night work near the Avenida Pico and Avenida Presidio I-5 interchanges. The additional staff cost is a reflection of the additional time and oversight needed to complete the work. The project budget also includes the new controllers and a new web-based central traffic system previously awarded by City Council on April 16, 2013, and a construction change order to replace the in-pavement lights at the El Camino Real crosswalks at Avenida Cabrillo and Avenida Granada ratified by City Council on November 5, 2013.

The contractor has submitted a letter disputing a rejected proposed change order for potholing existing utilities needed to complete the work. Staff is coordinating with the projects' design consultant and the contractor to address the disputed work. Staff will return to City Council with report regarding the disputed work at a later date.

Recommended**Action:**

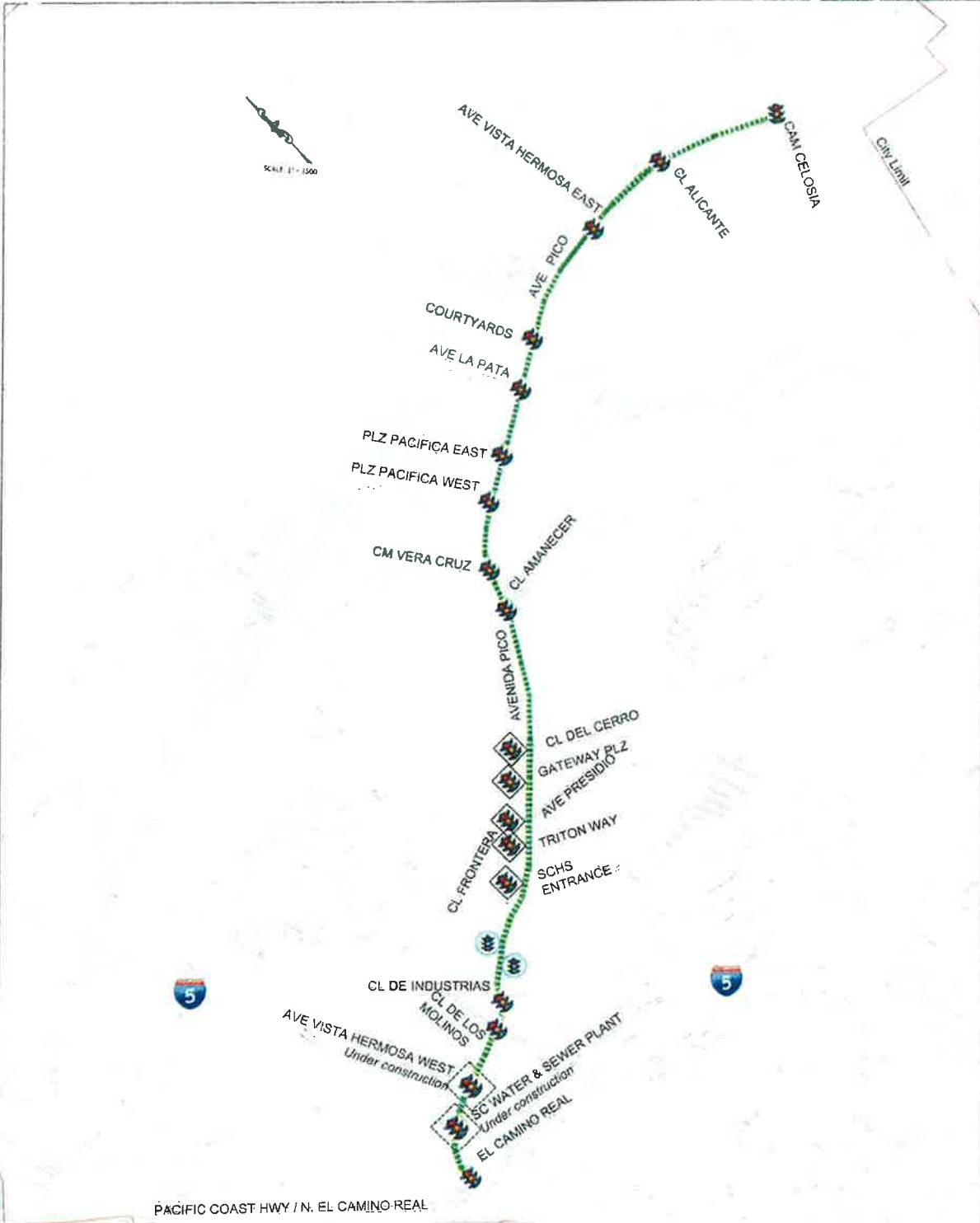
STAFF RECOMMENDS THAT the City Council:

1. Accept the Traffic Signal Systems Upgrade Project for Avenida Pico and El Camino Real, Project Nos. 13305 & 13307 from the Contractor, Select Electric, Inc.;
2. Authorize the Mayor to execute and the City Clerk to record the Notice of Completion for the Traffic Signal Systems Upgrade Project for Avenida Pico and El Camino Real, Project Nos. 13305 & 13307;
3. Authorize the City Clerk to release the Payment Bond 35 days from the recordation of the Notice of Completion upon verification with the Engineering Division that no liens have been levied against the Contractor, Select Electric, Inc.;
4. Authorize the City Clerk to release the Performance Bond upon receipt of a Warranty Bond in the amount of 25% of the construction cost;
5. Approve a supplemental appropriation in the amount of \$54,900 from the Gas Tax undesignated fund balance to Account No. 012-861-45300-000-13305 (Avenida Pico Signal Synchronization Project); and
6. Approve a supplemental appropriation in the amount of \$30,900 from the Gas Tax undesignated fund balance to Account No. 012-861-45300-000-13307 (El Camino Real Signal Synchronization Project).

Attachments:

1. Location Maps
2. Notice of Completion
3. Project Budget Summary

Notification: None.



LEGEND:

-  SIGNALS CURRENTLY INTERCONNECTED
-  CALTRANS SIGNAL
-  NON-INTERCONNECT TRAFFIC SIGNAL
-  PROPOSED PROJECT LIMIT



CITY OF SAN CLEMENTE





910 CALLE NEGOCIO, SUITE 100
 SAN CLEMENTE, CA 92673
 TEL: (949) 361-6100
 FAX: (949) 361-8316

FIGURE 1 - LOCATION MAP

**AVENIDA PICO CORRIDOR
 TRAFFIC SIGNAL SYNCHRONIZATION**

3/7/2011 \\c:\d\graphics_cad\autocad engr drawings\traffic\traffic base map\pico\dwg\citywide traffic signals.dwg



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FIGURE 1 - LOCATION MAP

EL CAMINO REAL CORRIDOR

TRAFFIC SIGNAL SYNCHRONIZATION

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<p>Exempt recording requested by the City of San Clemente per Gov. Code Sec. 6103</p> <p>_____ City Clerk</p> <p>When Recorded Mail To:</p> <p>City Clerk City of San Clemente 100 Avenida Presidio San Clemente, CA 92672</p>	
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Space above this line for Recorder's use

NOTICE OF COMPLETION

Notice is hereby given by the undersigned owner, a public entity of the State of California, that a public work of improvement has been completed as follows:

Project title or description of work: Traffic Signal Upgrades, Avenida Pico Project No. 13305 and El Camino Real Project No. 11307

Date of completion: May 30, 2014

Name of owner: City of San Clemente

Interest or estate of owner: Public Right of Way

Address of Owner: 100 Avenida Presidio, San Clemente, CA 92672

Name of contractor: Select Electric, Inc. of Poway, CA

Street address or legal description of site: Avenida Pico and El Camino Real signalized intersections in San Clemente, California.

Dated: _____

Owner: City of San Clemente

Mayor _____

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss
CITY OF SAN CLEMENTE)

I am the City Clerk of the City of San Clemente, the public entity which executed the foregoing notice, and on whose behalf I make this verification: I have read said notice, know its contents, and the same is true. I certify under penalty of perjury that the foregoing is true and correct.

City Clerk _____

Dated this ____ day of _____, _____

Attachment 3

Avenida Pico and El Camino Real Signal Synchronization Projects Project Budget and Estimated Project Costs as of July 30, 2014

	Pico		El Camino Real		Combined		Remaining Budget
	Budget on 6/18/13	Expenses as of 7/30/14	Budget on 11/05/13 ¹	Expenses as of 7/30/14	Budget on 11/05/13 ¹	Expenses as of 7/30/14	
Project Budget	\$ 567,000	\$ 567,000	\$ 665,400	\$ 665,400	\$ 1,232,400	\$ 1,232,400	
Expenses							
Maintenance	\$ 52,920	\$ 52,920	\$ 45,360	\$ 45,360	\$ 98,280	\$ 98,280	\$ -
Advantec (Design)	\$ 120,324	\$ 120,324	\$ 114,307	\$ 114,307	\$ 234,631	\$ 234,631	\$ -
CT West (Controllers and Central Traffic System)	\$ 86,567	\$ 86,567	\$ 76,948	\$ 76,948	\$ 163,515	\$ 163,515	\$ -
Select Electric (Infrastructure Contractor)	\$ 263,248	\$ 324,647	\$ 333,752	\$ 383,484	\$ 597,000	\$ 708,131	\$ (111,131)
Change Order to replace the existing in-pavement lights at the El Camino Real crosswalks at Avenida Cabrillo and Avenida Granada.			\$ 45,400	\$ 45,400	\$ 45,400	\$ 45,400	\$ -
Contingency approximately 5%	\$ 22,978		\$ 29,436		\$ 52,414	\$ -	\$ 52,414
Caltrans (Encroachment Permit and Appurtant Costs)	\$ 5,600	\$ 5,600	\$ 5,600	\$ 5,600	\$ 11,200	\$ 11,200	\$ -
Staff Time	\$ 2,512	\$ 2,450	\$ 2,388	\$ 2,450	\$ 4,900	\$ 4,900	\$ -
Synchro Software	\$ 2,082	\$ 2,029	\$ 1,978	\$ 2,029	\$ 4,060	\$ 4,058	\$ 2
City inspection, Administration, and Construction Management	\$ 10,769	\$ 26,765	\$ 10,231	\$ 20,712	\$ 21,000	\$ 47,478	\$ (26,478)
City Attorney		\$ 509				\$ 509	\$ (509)
Total Expenses	\$ 567,000	\$ 621,811	\$ 665,400	\$ 696,291	\$ 1,232,400	\$ 1,318,102	\$ (85,702)
Balance	\$ 0	\$ (54,811)	\$ (0)	\$ (30,891)	\$ -	\$ (85,702)	

Footnotes:

1. Budget for In-pavement Lights on ECR approved on 11/5/14