

STAFF REPORT*CITY OF OCEANSIDE*

DATE: November 28, 2012

TO: Honorable Mayor and City Councilmembers

FROM: Development Services Department

SUBJECT: **APPROVAL OF CHANGE ORDER 7 AND ACCEPTANCE OF THE IMPROVEMENTS TO THE CITY'S TRAFFIC SIGNAL COMMUNICATION SYSTEM AND AUTHORIZATION FOR THE CITY CLERK TO FILE A NOTICE OF COMPLETION**

SYNOPSIS

Staff recommends that the City Council approve Change Order 7 in the amount of \$38,626.07 to Select Electric, Inc., of Spring Valley for improvements to the City's traffic signal communications system; authorize the City Engineer to execute the change order; accept the improvements constructed by Select Electric; and authorize the City Clerk to file the Notice of Completion with the San Diego County Recorder.

BACKGROUND

On December 8, 2010, the City Council approved the plans and specifications and authorized a call for bids. Notices inviting sealed bids were sent to qualified area contractors, advertised in local newspapers; trade journals, and Web sites in accordance with the City's standard bidding procedures.

On February 23, 2011, the City Council awarded a contract in the amount of \$927,000 to Select Electric, Inc., of Spring Valley for improvements to the City's traffic signal communications system, and authorized the City Manager to execute the agreement.

On April 25, 2011, a notice to proceed was issued to Select Electric, Inc. On October 12, 2011, City Council approved Change Order 3 in the amount of \$320,000 to install additional fiber optic cable, CCTV cameras, and radio communications. The project was substantially completed on September 14, 2012.

ANALYSIS

The City's original computerized signal system was installed in 1998 and monitored and controlled approximately 142 of 150 City-operated signals. The improvements to the traffic signal communication system upgraded the original infrastructure through the installation of fiber-optic cable, closed-circuit television cameras (CTTV), and by bringing the information into the City's new Transportation Management Center (TMC) located at City Hall.

Approximately 23 miles of fiber-optic cable were installed which upgraded the original traffic signal copper cable network and allowed the City's communications network to be on a City-owned system rather than leased lines. Through the interconnection of facilities, the City is able to scale back its dependence on leased lines which will provide a significant savings which could be upwards of \$50,000 annually after the first year. The TMC provides an area for City staff to monitor and regulate traffic conditions throughout the City, through the installation of the 36 CCTV cameras at 35 key signalized locations.

Staff recommends City Council approve Change Order 7 in the amount of \$38,626.07 for the additional work completed to repair existing conduit, install new pull boxes, furnish and install CCTV equipment, and reimburse Select Electric, Inc., for a Caltrans required permit.

FISCAL IMPACT

The original construction contract amount with Select Electric Inc. for the improvements to the City's traffic signal communications system was \$927,000. The project was funded by the following CIP budgets: Adaptive Signals/TMC (902111200212), Communication System (903526100508), College Boulevard Adaptive Signals (903521800508), Signals Unscheduled/Street Lights (903526300213), and the Energy Efficiency and Conservation Block Grant (EECBG) Program (999115900274.5320) during the FY 2010-2013 cycles. Previously approved Change Orders 1 through 6, totaling \$318,372.53, were approved administratively and by City Council. Staff recommends City Council approve Change Order 7 in the amount of \$38,626.07 (see Attachment "A"). There are sufficient funds left in the existing purchase order to pay for Change Order 7.

Construction-phase project costs are as follows:

Direct Construction Costs

Bid Award Amount	\$927,000.00
Change Orders 1 through 6	\$318,372.53
Change Order 7	<u>\$38,626.07</u>
Total Direct Construction	\$1,283,998.60

INSURANCE REQUIREMENTS

The City's standard insurance requirements have been met.

COMMISSION OR COMMITTEE REPORT

Does not apply.

CITY ATTORNEY'S ANALYSIS

The referenced documents have been reviewed by the City Attorney and approved as to form.

RECOMMENDATION

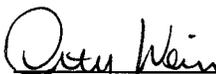
Staff recommends that the City Council approve Change Order 7 in the amount of \$38,626.07 to Select Electric, Inc., of Spring Valley for improvements to the City's traffic signal communications system; authorize the City Engineer to execute the change order; accept the improvements constructed by Select Electric; and authorize the City Clerk to file the Notice of Completion with the San Diego County Recorder.

PREPARED BY:



David DiPierro
City Traffic Engineer

SUBMITTED BY:



Peter A. Weiss
City Manager

REVIEWED BY:

Michelle Skaggs Lawrence, Deputy City Manager

George Buell, Development Services Director

Scott O. Smith, City Engineer

Teri Ferro, Financial Services Director









Attachments:

1. Attachment "A" Change Orders

Attachment "A"

**IMPROVEMENTS TO THE CITY'S TRAFFIC SIGNAL COMMUNICATION
SYSTEM**

Change Orders	Amount
1. Addition of 13 cameras and deletion of Bid Items 29,30,31, & 32	(\$24,502.24)
2. Addition of video card for Live Wall Media & extra work at force account	\$3,169.53
3. Addition of 69,000 lf of FOC, 7 cameras, & extra work at force account	\$320,000.00
4. Increase of working days, extra work at force account, & design proofing	\$19,705.24
5. Increase of 45 working days	\$0
6. Increase of 16 working days	\$0
7. Addition and deletion of various additional bid items	\$38,626.07
Total Change Orders	\$356,998.60

2725 -
RPC # 2
RPC # 3
JSS

CITY OF OCEANSIDE
CONTRACT CHANGE ORDER

DATE July 26, 2011
PROJECT # 903521800508

PROJECT TITLE: **Traffic Signal Communication System for a Transportation Management Center**

CHANGE ORDER # 2

PURCHASE ORDER #

This change order provides for:

1. Furnish and install Video ^{INPUT} Output Card for Live Wall Media - \$2,250.
2. Extra Work at force account to repair damaged 2" conduit on College Boulevard between the RR crossing and Olive Drive - \$919.53.

Contract Increase: **\$3,169.53**

All equipment, materials, labor and other incidentals shall be included in this lump sum price for this Change Order No. 1. This Change Order shall include all general contractor's and subcontractors overhead, profit and incidentals, and contractor shall not be entitled to any additional payment regarding this change order. Prices are for work complete and in place.

Estimated Cost: Increase \$3,169.53 Decrease _____ No Change -

Recommended by: Paul J. Pace
Paul J. Pace, Project Manager

Contract Summary:

Initial Contract Amount: \$ 927,000.00

Previous Change Orders: -(24,502.24)

This Change Order: \$3,169.53

Total to Date: 905,667.29 *CP*

Additional Appropriation Required: _____ x _____
Yes No

Approved: CITY OF OCEANSIDE

By: Scott O. Smith *JOS*
Scott O. Smith, City Engineer

Approved: Select Electric, Inc.

By: Ray Elliott *7/26/2011*
Contractor

Original to: City Clerk
Copies to: Accounts Payable

Contractor

Inspector

File

**CITY OF OCEANSIDE
CONTRACT CHANGE ORDER**

DATE August 25, 2011
PROJECT # 903521800508 902111200212

PROJECT TITLE: Traffic Signal Communication System for a Transportation Management Center

CHANGE ORDER # 3

PURCHASE ORDER #

This change order provides for:

1. Additional work for the installation of 69,000 lf of 72 SMFOC fiber optic cable per contract bid items.
2. Additional work for the installation of 7 new camera locations per contract bid item prices and negotiated price for additional work.
3. Additional work will be paid per unit prices for actual quantities used.
4. Increase of 60 working days.

Contract Increase: \$320,000

All equipment, materials, labor and other incidentals shall be included in this lump sum price for this Change Order No. 3. This Change Order shall include all general contractor's and subcontractors overhead, profit and incidentals, and contractor shall not be entitled to any additional payment regarding this change order. Prices are for work complete and in place.

Estimated Cost: Increase \$320,000 Decrease _____ No Change -

Recommended by: *Paul J. Pace* DRD
Paul J. Pace, Project Manager

Contract Summary:

Initial Contract Amount: \$ 927,000.00

Previous Change Orders: (-21,332.71)

This Change Order: \$320,000 (3%)

Total to Date: 1,225,667.29

Additional Appropriation Required: X
Yes No

Approved: **CITY OF OCEANSIDE**

By: *Scott O. Smith*
Scott O. Smith, City Engineer

Approved: **Select Electric, Inc.**

By: *Gary J. Elbert* P.M.
Contractor 8/31/11

Original to: City Clerk
Copies to: Accounts Payable

Contractor

Inspector

File

**CITY OF OCEANSIDE
CONTRACT CHANGE ORDER**

PROJECT TITLE: Traffic Signal Communication System for a Transportation Management Center

CHANGE ORDER No. 34
 PROJECT No. 902111200212
 DATE 3/13/12
 PURCHASE ORDER # 1001015

This change order provides for:

1. Extra work at force account to repair damaged conduit at various locations and additional potholing for waterline at Oceanside Boulevard and College Boulevard - \$7,451.11
2. Extra work at force account to pothole gas and electric main facilities not shown on the plans at various locations - \$7,254.13
3. Proofing of existing conduits for the design of change order #3 - \$5,000
4. Increase of 60 working days for additional time for system design of additional work for change order #3 (new completion date of 6/20/12). No additional compensation for increase of working days.

Cost of Change: In accordance with Section 7.21.4 (b) CHANGE IN CONTRACT PRICE of the General Provisions, this Change Order compensates (contractor) as follows:

Cost: Increase \$19,705.24 Decrease _____ No Change _____

Upon careful consideration of the work specified by this change order, the contractor agrees to provide all equipment and labor, to furnish the materials except as otherwise noted above, and will accept the prices shown above as full payment to perform the services necessary to complete the work in place.

Contract Time Adjustment:

By reason of this order the time of completion will be adjusted as follows 60 working days.

Contract Summary:

Recommended by:

Paul J. Pace
 Paul J. Pace, Project Manager
 CITY OF OCEANSIDE

Initial Contract Amount	\$ <u>927,000.00</u>	(100.0%)
Previously Approved CCOs (1-4)	\$ <u>298,667.29</u>	(+ 33%)
Council Approved Contract Amt:	\$ <u>1,225,667.29</u>	(100.0%)
Change Order No.(s): none	\$ <u>0</u>	
This Change Order No. (5)	\$ <u>19,705.24</u>	(+ 2%)
Contract Amount To Date:	\$ <u>1,245,372.53</u>	(102.0%)

Accepted:

Kirk R. LeSage
 Printed name: Kirk R. LeSage
 Select Electric Inc.

Approved By:

Scott O. Smith
 Scott O. Smith, City Engineer
 CITY OF OCEANSIDE

City Engineer Authority (Section 5.1.3)

City Council Action Required	<u>Yes</u>	<u>X</u> No	<u>N/A</u> Council Date
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Additional Appropriation Required	<u>Yes</u>	<u>X</u> No
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Original to: City Clerk, Contractor

Copies to: Accounts Payable, File

**CITY OF OCEANSIDE
CONTRACT CHANGE ORDER**

PROJECT TITLE: Traffic Signal Communication System for a
Transportation Management Center

CHANGE ORDER No. 76 Jot
PROJECT No. 902111200212
DATE 8/23/12
PURCHASE ORDER # 1001015

This change order provides for:

- 1. Increase of 16 working days for additional time for processing and design of the work provided in change order #3 (new completion date of 9/14/12). No additional compensation for increase of working days.

Cost of Change: In accordance with Section 7.21.4 (b) CHANGE IN CONTRACT PRICE of the General Provisions, this Change Order compensates (contractor) as follows:

Cost: Increase _____ Decrease _____ No Change X

Upon careful consideration of the work specified by this change order, the contractor agrees to provide all equipment and labor, to furnish the materials except as otherwise noted above, and will accept the prices shown above as full payment to perform the services necessary to complete the work in place.

Contract Time Adjustment:

By reason of this order the time of completion will be adjusted as follows 16 working days.

Contract Summary:

Recommended by: *Darra Woods*
Darra Woods, Project Manager
CITY OF OCEANSIDE

Initial Contract Amount \$ 927,000.00 (100.0%)
Previously Approved CCOs (1-4) \$ 298,667.29 (+21.8%)
Council Approved Contract Amt: \$ 1,245,372.53 (100.0%)
Change Order No.(s): none \$ 0
This Change Order No. 76 \$ 0 (+0.0%)
Contract Amount To Date: \$ 1,245,372.53 (100.0%)

Accepted: *Brian Ware*
Printed name: Brian Ware
Select Electric Inc.

Approved By: *Scott O. Smith*
Scott O. Smith, City Engineer
CITY OF OCEANSIDE
George Ewell, Det. Svcs. Dir.

City Engineer Authority (Section 5.1.3)

City Council Action Required Yes X No N/A
Council Date
Additional Appropriation Required Yes X No

Original to: City Clerk, Contractor

Copies to: Accounts Payable, File

**CITY OF OCEANSIDE
CONTRACT CHANGE ORDER**

PROJECT TITLE: Traffic Signal Communication System for a
Transportation Management Center

CHANGE ORDER No.	<u>7</u>
PROJECT No.	<u>902111200212</u>
DATE	<u>10/17/12</u>
PURCHASE ORDER #	<u>1001015</u>

This change order provides for:

1. The additional costs for the following items:
 - a. Furnish and install enclosure re-entry
 - b. Furnish and install AirGrid System
 - c. Furnish and install Camera Power Cables
 - d. Addition of Contract with Stack Engineering
 - e. Extra Work at force account to remove jetline at various locations, pothole and trench to locate and repair existing conduit, and clear existing conduits with air compressor and rod
 - f. Extra Work at force account for the installation of new conduit and pullboxes for the fiber run through the controller cabinets at Pala Road and Douglas Drive and Douglas Drive and Mission Avenue
 - g. Extra Work at force account to install external conduit on the streetlight pole for the CCTV camera at Oceanside Boulevard and El Camino Real and Mission Avenue and El Camino Real
 - h. Extra Work at force account to clear existing conduits with air compressor and rod
 - i. Extra Work at force account for asphalt patching at Douglas Drive and Mission Avenue, installation of jumper cable at Mission Avenue and San Diego Street, concrete demolition and sidewalk panel repair at various locations, and re-splicing of SIC on Vista Way between College Boulevard and North Way
 - j. Extra Work at force account to pull CAT5 cable to connect Actelis switch to Cisco switch at COC
 - k. Caltrans Permit Reimbursement
 - l. Additional costs to Bid Item 12 from the Original Contract
 - m. Additional costs to Bid Items 3, 9,11,14, and 15 from Change Order 3

For a Total Additional Cost = \$74,266.04

2. Reduction in estimated costs for the following items:
 - a. Bid Items 1,2,3,4,5,10,11,14, and 37 from the Original Contract
 - b. Bid Items 1,2, and 4 from Change Order 3

Total Cost Reduction = \$35,639.97

Cost of Change: In accordance with Section 7.21.4 (b) CHANGE IN CONTRACT PRICE of the General Provisions, this Change Order compensates (contractor) as follows:

Cost: Increase \$38,626.07 Decrease No Change

Upon careful consideration of the work specified by this change order, the contractor agrees to provide all equipment and

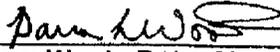
labor, to furnish the materials except as otherwise noted above, and will accept the prices shown above as full payment to perform the services necessary to complete the work in place.

Contract Time Adjustment:

By reason of this order the time of completion will be adjusted as follows _____ days.

Contract Summary:

Recommended by:


Darra Woods, Project Manager
CITY OF OCEANSIDE

Initial Contract Amount	\$ 927,000.00	(100.0%)
Previously Approved CCOs (1-3)	\$ 298,667.28	(+32.2%)
Council Approved Contract Amt:	\$ 1,225,667.28	(100.0%)
Change Order No.(s): (4-6)	\$ 19,705.25	(+1.6%)
This Change Order No. (7)	\$ 38,626.07	(+3.2%)
Contract Amount To Date:	\$ 1,283,998.60	(104.8%)

Accepted:

Printed name:


C. C. DEGENFELDER
Select Electric Inc.

Approved By:

City Engineer Authority (Section 5.1.3)

City Council Action Required	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	11/28/12
			Council Date


Scott O. Smith, City Engineer
CITY OF OCEANSIDE

Additional Appropriation Required	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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Original to: City Clerk, Contractor

Copies to: Accounts Payable, File