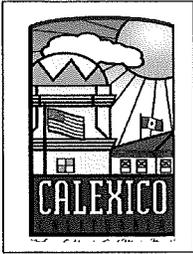


AGENDA  
ITEM

**13**



# AGENDA STAFF REPORT

**DATE:** March 21, 2018

**TO:** Mayor and City Council

**APPROVED BY:** David Dale, City Manager *DD*

**PREPARED BY:** David Dale, City Manager

**SUBJECT:** Authorize Interim City Manager to Sign Change Order No. 3 with Control System Engineering, Inc. in the Amount of \$4,985.50 for the Water Treatment Plant Emergency Generator Project No. 2017-100

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**Recommendation:**

Authorize Interim City Manager to Sign Change Order No. 3 with Control System Engineering, Inc. in the amount of \$4,985.50 for the Water Treatment Plant Emergency Generator Project No. 2017-100.

**Background:**

On February 14, 2017, City of Calexico solicited bids for the installation of Emergency Generator at the Water Treatment Plant. The work shall include furnishing and installing the complete, operable electrical system including, but not limited to, the following:

- Provide emergency generator.
- Provide connection to existing electrical switchboard.
- Provide retaining wall and concrete pad to support generator.
- Provide HVAC unit at generator room.

**Discussion & Analysis:**

On April 5, 2017, the City Council of the City of Calexico awarded a construction contract to Control System Engineering, Inc. for the above-mentioned project. Due to additional work that was not anticipated during the bid process, Public Works staff is requesting that the City Council of the City of Calexico approve the following change order:

1. Add Access Door \$4,985.50

With Change Order No. 3 the new contract amount will be \$1,214,361.50.

<b>AGENDA ITEM</b>
<b>13</b>

**Fiscal Impact:**

Budgeted Item for FY 2017-2018  
Water Treatment Operating Funds - \$4,985.50.

**Coordinated With:**

Public Works Department.

**Attachment(s):**

1. Control System Engineering, Inc. Change Order No. 3.



**CITY OF CALEXICO  
PUBLIC WORKS DEPARTMENT  
CHANGE ORDER NO. 3**

Name of Project: Water Treatment Plant Emergency  
Generator Project No. 2017-100  
Name of Contractor: Control System Engineering, Inc.  
Date: 03/21/18

#	Description	Price Increase	Price Decrease	Time Extension
1	Adding Access Door (See Letter dated March 8, 2018 for Detail Description )	\$ 4,985.50		
	Sub-Total	\$ 4,985.50		
	Total		4,985.50	
	Contract Amount		1,209,376.00	
	Total Contract Amount (Contract + Change Order No. 1, 2 and 3)		1,214,361.50	

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David Dale, Public Works Director/City Engineer  
City of Calexico, 608 Heber Avenue, Calexico, California

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Robert Ortiz, Project Inspector  
City of Calexico, 608 Heber Avenue, Calexico, California

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Eric A. Blom, Project Manager  
Control System Engineering, Inc., PO Box 128, Murrieta, California



License 558496

P O Box 128, Murrieta, CA 92564  
VOICE 951.696.3689 FAX (888)398-2734  
www.ControlSystemsEng.com

March 8, 2018

David Dale, PE  
City of Calexico  
545 Pierce Ave  
Calexico, CA 92231

RE: Calexico WTP Generator Project  
Adding Access Door Justification

David Dale  
Interim City Manager,

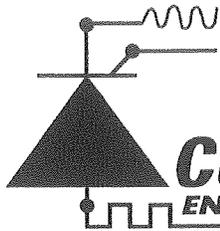
On the night of 3-1-2018 we attempted to tie in the new generators feeder cables to the customer's existing automatic transfer switch. This was part of the original contract work included with the generator project. Upon turning off the plants power and sending an electrician into the rear of the existing switchboard, we discovered he could not reach most of the terminals to remove the old cables. After several hours of efforts, we determined we had to cancel this tie in. Which also required us to re-connect the removed cables back to where they were found originally.

Upon further research, we verified this original switchboard installation violated both the National Electrical Code Article 110 and Underwriters Laboratory Standard 891 for accessibility. Terminals for cables must be accessible to perform maintenance or service without the removal of building components or the adjacent sections of switchboard. The original contractor could not have possibly connected these old cables with both of the sections on the left and the right side of the transfer switch. The original installer would have terminated their cables, then added the left (OR) the right side switchboard sections. Leaving an installation that could have never been accessed by the owner.

To resolve the issue, we opted for the cheapest permanent solution which was adding an access door to the rear wall behind the automatic transfer switch. This new access door facilitated our required access and leaves the customer with future access when needed. If the transfer switch is ever upgraded this access will be critical. Now the installation complies with both NEC and UL installation requirements.

Because no bidding contractor could (and should not) have foreseen this existing condition without turning off the power and climbing inside the switchgear, we are requesting a changed condition reimbursement. We have prepared the attached invoice for our direct costs installing the added access.

*Electrical Construction, Industrial Controls and Automation*



**CONTROL SYSTEMS**  
**ENGINEERING, INC.**

License 558496

P O Box 128, Murrieta, CA 92564  
VOICE 951.696.3689 FAX (888)398-2734  
[www.ControlSystemsEng.com](http://www.ControlSystemsEng.com)

If you have any questions or need additional information, please feel free to contact me at 951-551-6347.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric A. Blom". The signature is fluid and cursive.

Eric A. Blom  
President

*Electrical Construction, Industrial Controls and Automation*



Job: City of Calexico  
 Create hole in block wall and install new door for code-required, rear access to Automatic Transfer Switch

Contractor's Estimate of Costs													
No.	Item of Work	No. of Units	Unit	Labor			Material / Costs			Equipment		Total Cost	
				M.H. Per Unit	M.H. Total	Cost/ M.H.	Total Cost	Unit Cost	Unit Cost	Total Cost			
1	New Door, Affordable Hollow Metal #6974	1.00	EA	0.000	0.00	0.00	\$393.12	\$393.12	\$0.00	\$0.00	\$0.00	\$0.00	
2	Door Signage, Fast Signs #581-93235	1.00	EA	0.000	0.00	0.00	\$66.42	\$66.42	\$0.00	\$0.00	\$0.00	\$0.00	
3	Curtis Roadrunner Lock & Safe #1866804	1.00	EA	0.000	0.00	0.00	\$132.71	\$132.71	\$0.00	\$0.00	\$0.00	\$0.00	
4	Two bags Rapid Set, 4 cans Foam, Misc	1.00	EA	0.000	0.00	0.00	\$50.00	\$50.00	\$0.00	\$0.00	\$0.00	\$0.00	
5			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
6	Lost Wages 3/1/18 no access (4 men x 4 hrs)	1.00	LUMP	16.000	16.00	60.51	\$968.16	\$968.16	\$0.00	\$0.00	\$0.00	\$0.00	
7	Hotel	1.00	EA	0.000	0.00	0.00	\$0.00	\$0.00	\$69.30	\$69.30	\$0.00	\$0.00	
8	Travel	304.00	MILES	0.000	0.00	0.00	\$0.00	\$0.00	\$0.55	\$165.68	\$0.00	\$0.00	
9	Cut & demo wall, install door & grout, paint & signage	1.00	LUMP	0.000	28.00	52.08	\$1,458.24	\$1,458.24	\$0.00	\$0.00	\$0.00	\$0.00	
10			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
11			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
12			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
13			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
14			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
15			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
16			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
							\$2,426.40		\$877.23		\$0.00	\$0.00	
ITEM TOTALS							44						

## CALEXICO WTP AISC TIE IN ISSUE HISTORY

ON ORIGINAL NIGHT TO TIE IN DISCOVERED ISSUE 3/1/18  
CREW OF (4) 9 PM - 2 AM HAD TO CONCL TIE IN

PER NEC. & UL # 891 THE DEAD FRONT SWITCHBOARD IS  
REQUIRED TO HAVE FIELD TERMINATIONS ACCESSIBLE FROM FRONT OR  
IF REAR ACCESS IS REQUIRED AS IN THIS CASE, THE REAR  
REMOVABLE COVER WOULD REQUIRE ~~THEY~~<sup>AN</sup> REAR ACCESSIBLE  
DEFINITION. THAT WOULD NOT ALLOW THE INSTALLATION  
TO REQUIRE REMOVAL OF WALL, OR OTHER ADJACENT  
SWITCHBOARD SECTIONS TO CONNECT OR SERVICE FIELD CABIN TERMS

THE ORIGINAL INSTALLING CONTRACTOR FURNISHED A DEAD FRONT  
SWITCHBOARD WHICH HAS A 3<sup>RD</sup> PARTY RUSSIA ELECTRIC TRANSFER  
SWITCH WHICH REQUIRES REAR ACCESS TO CONNECT FIELD TERMINATIONS.  
THIS INSTALLATION VIOLATES NEC 110 & UL 891 AS INSTALLED - LIKELY  
THIS VIOLATION WAS BEFORE 10 YEAR LIABILITY LIMITATION

AS BIDDING CONTRACTORS, WE COULD NOT DETERMINE THIS WAS  
AN INSTALLATION WHICH CANNOT BE ACCESSED WITHOUT TURNING  
OFF THE PLANT MAIN POWER & CLIMBING INSIDE THE BUS  
SECTIONS.

COSTS: LOST LABOR 1<sup>ST</sup> NIGHT 3/1/18 4 MEN X 5 HRS = 20 HOURS X JW #

BUY DOOR \$400.

LOCKSMITH \$132.

CUT & DEMO WALL 2 MEN 3/5/18 8 HRS EACH = 16 HRS X LABORER #

INSTALL DOOR, GROUT 3/6/18 2 MEN 5 HRS EA = 10 HRS X LABORER #

PAINT & SIGNAGE 3/1/18 1 MAN 2 HRS (ESTIMATED)

FAST SIGN CUSTOM SIGN & SHIPPING \$66.42

2 BAGS, RAPID SET, & CRUIE FOAM ABOVE \$50.

CITY OF CALEXICO  
ATS TIE IN ACCESS ISSUE



Affordable Hollow Metal  
10096 6th St. Unit G  
Rancho Cucamonga Ca 91730  
Phone:(909)9447477  
Fax:(909)9447747  
Cell:(626)3190412  
AffordableHollowMetal@gmail.com

# Invoice

Number **6974**

Date **3/2/2018**

Bill To  
Eric  
P#9515516347

Ship To

PO Number      Terms

Ship

Description	Quantity	Price Each	Tax1	Amount
3070 hollow metal door. 18 guage steel. 3hr fire rated. 161 lock prep. 18 gage steel. 1 3/4" thick . polystyrene insulated .	1.00	\$199.00	✓	\$199.00
3070 hollow metal frame. Welded 1 piece. 5 3/4" overall, 16 guage steel. punch and dimple tube anchors. **concrete screws included**	1.00	\$150.00	✓	\$150.00
CAI Royal hinge set. 4.5x.4.5 TBH30. NRP	1.00	\$15.00	✓	\$15.00

Amount Paid **\$393.12**  
Amount Due **\$0.00**

Shipping Cost **\$0.00**  
Sub Total **\$364.00**  
Sales Tax 8.00% on \$364.00 **\$29.12**  
Total **\$393.12**

Thank you for your business



More than fast. More than signs.®

28165 Jefferson Ave  
Suite A  
Temecula, CA 92590  
(951) 695-3278

More than fast. More than signs. ®  
fastsigns.com/581

**PAID  
IN  
FULL**

**INVOICE  
581-93235**

Payment Terms: Cash Customer

Created Date: 3/5/2018

**DESCRIPTION:** Control Systems Engineering - 12

**Bill To:** Walk In Account  
28165 Jefferson  
Temecula, CA 92590  
US

**Pickup At:** FASTSIGNS Temecula  
28165 Jefferson Ave  
Suite A  
Temecula, CA 92590  
US

**Ordered By:** Eric Blom  
Email: eric@controlsystemseng.com  
Work Phone: (951) 551-6347

**Salesperson:** Mike Bercaw  
Email: 581@fastsigns.com  
Work Phone: 951-695-3278

NO.	Product Summary	QTY	UNIT PRICE	TAXABLE	AMOUNT
1	AUTHORIZED PERSONS ONLY Door Sign - .040 Alum 12" x 9" - 1Sided Black Cut Vinyl with White Lettering	1	\$45.4200	\$45.42	\$45.42

Beginning March 1st, 2018

There will be a surcharge of 3.5% on the transaction amount on credit cards which will never be greater than our cost.

There will be no surcharge on debit cards, cash and checks.

<b>Base Subtotal:</b>	\$45.42
<b>Shipping:</b>	\$17.03
<b>Subtotal:</b>	\$62.45
<b>Taxable Amount:</b>	\$45.42
<b>Taxes:</b>	\$3.97
<b>Grand Total:</b>	\$66.42
<b>Amount Paid:</b>	\$66.42
<b>BALANCE DUE:</b>	\$0.00

TRANSACTIONS		
Date	Type	Amount
3/5/2018	AMEX (Offline) - 6004	\$66.42

CASH CO



**A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXISTS IN HIS OR HER FAVOR AT THE TIME OF EXECUTING THE RELEASE, WHICH IF KNOWN BY HIM OR HER MUST HAVE MATERIALLY AFFECTED HIS OR HER SETTLEMENT WITH THE DEBTOR.**

4. RELEASE CARVE-OUT. Notwithstanding the provisions of paragraphs 2-3, Worker's released claims shall not include any claims which expressly cannot be waived according to California Labor Code Section 2804. Nor shall anything in this Agreement be construed to prohibit Worker from filing a charge with or participating in any investigation or proceeding conducted by the PERB, EEOC, DFEH, or any other governmental agency. Notwithstanding the foregoing, Worker hereby agrees to, and does, waive his right to recover monetary damages in any charge or lawsuit filed by Worker or anyone else on his behalf.

5. CONFIDENTIALITY & NO DEFAMATION. Except as such disclosure of this Agreement may occur as required by law, Worker agrees the terms of this Agreement and all negotiations between the Parties shall be kept strictly confidential. The Parties shall keep confidential the details of the negotiations, the terms of this Agreement, Worker's subjective opinion relating to the negotiations, and the Agreement itself. The Worker may respond to inquiries only by indicating that the separation was voluntary. City's human resources personnel may respond only with dates of employment, job title, and salary. The Worker may not disparage councilmembers, employees, or vendors nor may Worker defame City, its council, management, employees, agents, officers, shareholders, or affiliates. Worker agrees to refrain from making public statements regarding his subjective opinion about City. These obligations are not intended to prohibit lawful interactions with governmental agencies as referred to in paragraph 4.

THIS AGREEMENT INCLUDES A RELEASE OF ALL KNOWN AND UNKNOWN CLAIMS. THE SIGNATORIES FULLY UNDERSTAND THE FINAL AND BINDING EFFECT OF THIS AGREEMENT AND ARE SIGNING VOLUNTARILY.

Date: \_\_\_\_\_

\_\_\_\_\_

DAVID DALE

Date: \_\_\_\_\_

CITY OF CALEXICO

By: \_\_\_\_\_

[NAME & TITLE OF REPRESENTATIVE]