

**SUMTER COUNTY BOARD OF COMMISSIONERS
EXECUTIVE SUMMARY**

SUBJECT: Contract Change Order 2 for Mid-State Electric for the Sheriff's Office and VoIP Generators (Staff recommends approval.)

REQUESTED ACTION: Board Approval

Work Session (Report Only)
 Regular Meeting

DATE OF MEETING: 3/13/2012
 Special Meeting

CONTRACT: N/A

Effective Date: 8/23/2011
Managing Division / Dept:

Vendor/Entity: Mid-State Electric
Termination Date: _____
Facilities Development _____

BUDGET IMPACT: \$7,364.00

Annual
 Capital
 N/A

FUNDING SOURCE:

Capital Outlay Reserves

EXPENDITURE ACCOUNT:

305-100-519-6400

HISTORY/FACTS/ISSUES:

Increase in scope of work to replace the existing 400 amp transfer switch with a new switch. The existing Generac automatic transfer switch (ATS) has internal proprietary components which adversely impact the proper operation of the new standby generator serving the Sheriff's office facility. It is recommended that the existing ATS switch be replaced with a new compatible Kohler ATS.

The new switch shall be an Automatic Transfer Switch (ATS) rated at 277/480v 3 phase 4 wire 400 amp contactor style with Solid Neutral and ground bar all installed within a Nema 3R weatherproof enclosure.

TAW /Kohler have reviewed the requirements and can provide the replacement ATS per the proper specifications. It appears that the ATS will physically fit within the allocated wall space.

The pricing for the new ATS switch and the installation of the same represents fair market value.

Due to the nature of the application associated with the Sheriff's Office Communication Center, staff was given authorization to proceed.

**SUMTER COUNTY BOCC
CHANGE ORDER FORM**

PROJECT: Sheriff's Office and VoIP Generators	CHANGE ORDER NUMBER:	2
	DATE:	3/13/2012
	ARCHITECT'S PROJECT NO.:	
TO CONTRACTOR:	CONTRACT DATE:	8/23/2011
	CONTRACT FOR:	\$233,683.00

The Contract is changed as follows:

Increase in scope of work to replace the existing 400 amp transfer switch with a new switch.

Not valid until signed by the Owner, Architect.

The original (Contract Sum) (Guaranteed maximum Price) was	\$233,683.00
Net change by previously authorized Change orders	\$7,117.00
The (Contract Sum) (Guaranteed maximum Price) prior to this Change order was	\$240,800.00
The (Contract Sum) (Guaranteed maximum price) will be (increased) (decreased) (unchanged) by this Change Order in the amount of	\$7,364.00
The new (Contract Sum) (Guaranteed maximum Price) including this Change order will be	\$248,164.00

The Contract Time will be (increased) decreased) (unchanged) by 0 Days

The date of Substantial Completion as of the date of this Change Order therefore is

Architecture Studio Inc.
ARCHITECT
114 S Magnolia Ave
Address
Ocala FL 34473

Mid State Electric
CONTRACTOR
1612 NE 6th Ave
Address
Ocala FL 34470

Sumter County BOCC
OWNER
7375 Powell Rd
Address
Wildwood FL 34785

BY

BY

BY

Joe Rispoli, Architect

Jerry Hammett, President

Garry Breeden, Chairman

DATE

DATE

DATE

Fitzpatrick, Annette

From: Cottrell, Scott
Sent: Friday, February 17, 2012 4:26 PM
To: Conway, Doug; Wert, Chris
Subject: RE: Sumter County Sheriff's office Transfer Switch Replacement
concur

From: Conway, Doug
Sent: Friday, February 17, 2012 10:13 AM
To: Cottrell, Scott; Wert, Chris
Subject: FW: Sumter County Sheriff's office Transfer Switch Replacement

Scott \ Chris,

It appears that URS is agreement with this proposed solution.

Please advise, if you agree to proceed

Thanks

Doug

From: Haber, Bill [<mailto:bill.haber@urs.com>]
Sent: Friday, February 17, 2012 9:40 AM
To: Conway, Doug
Cc: dgreen@ingenuityei.com; Nguyen, Long
Subject: RE: Sumter County Sheriff's office Transfer Switch Replacement

Doug

I concur with David's recommendation as the existing Generac ATS has some internal proprietary components that are not compatible with the 150 Kw Kohler, and this would remediate the immediate issue with the new generator communicating with a compatible ATS. However due to an episode on Wednesday, when the technician with TAW Power Systems disconnected the wiring to the communication board allocated ATS for the new Kohler generator this set the Generac unit into the alarm mode disabling this unit, after numerous attempts, and varied wiring arrangements it was still impossible to take the Generac unit out of the alarm mode with the communication board disengaged, my second thoughts on this is that when the new ATS is installed, the Generac unit will have to be reprogrammed to recognize that the secondary ATS has been annulled and will only communicate with the primary ATS designated for it's use. Please

call me if you have any further questions peertaining to this matter as I may be able to go into further detail as to the varied wiring arrangements attempted to engange the existing ATS for the Kohler generator.

Bill Haber

URS- Sr. Inspector

Cell 321-231-2430

From: Conway, Doug [Doug.Conway@sumtercountyfl.gov]
Sent: Friday, February 17, 2012 7:52 AM
To: Haber, Bill
Cc: Nguyen, Long; carruthers, joan
Subject: FW: Sumter County Sheriff's office Transfer Switch Replacement

Good morning Bill,

Please provide me with your evaluation of this condition.

Thanks

Doug

From: Dave Green [mailto:dgreen@ingenuityei.com]
Sent: Thursday, February 16, 2012 9:33 PM
To: Conway, Doug; Jerry Hammett; Jack Kline; bill_haber@URSCorp.com
Subject: FW: Sumter County Sheriff's office Transfer Switch Replacement

Mr. Conway,

I have reviewed the existing Generac automatic transfer switch (ATS) and have found that the existing switch has internal proprietary components which adversely impact the proper operation of the new standby generator serving the Sheriff's office facility. I would like to recommend that the existing ATS switch be replaced with a new compatible Kohler ATS per the attachment.

The new switch shall be an Automatic Transfer Switch (ATS) rated at 277/480v 3 phase 4 wire 400 amp contactor style with Solid Neutral and ground bar all installed within a Nema 3R weatherproof enclosure. (See Attachment)

TAW /Kohler have reviewed the requirements and provided the replacement ATS per the proper specifications.

It appears that the ATS will physically fit within the allocated wall space.

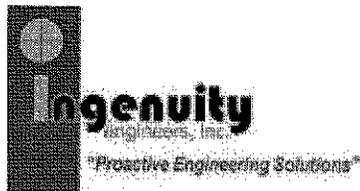
The pricing for the new ATS switch and the installation of the same appears to be fair and reasonable for this effort.

If you have no further questions, can you please authorize Kohler /TAW via Mid-State Electric to execute the ordering of the switch.

3/5/2012

Thank you all for the teamwork

David F. Green, Jr.
President / CEO



4798 New Broad Street, Suite 300
Orlando, FL 32814
407.398.6007
321.230.1846 cell
407.398.6003 fax
www.ingenuityengineers.com

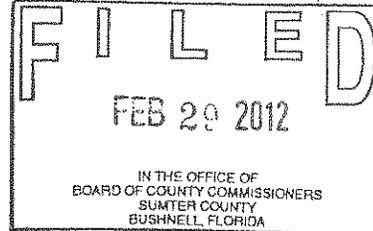
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3/5/2012

MID STATE ELECTRIC

2/16/12

Sumter County
Sheriff's 911 Center
Doug Conway



Doug, per your request I am pleased to provide the following price:
Total price to replace the existing 400 amp transfer switch with a new switch.
\$7,364.00

Let me know if I am to order the new switch.

THANKS

Jerry Hammett

State Certified Electrical Contractor EC 0000500
1612 N.E. 6th Avenue Ocala, Florida 34470 (352)622-3208 (352) 622-4644 FAX

BID SUMMARY REPORT

Name: **Sumter Co Generators Sherriffs and** Estimator: **JH**

Job #: **773**

Job Name: Sumter Co Generators Sherriffs and BOCC

Contractor:

Estimator: JH

Notes:

Bid Date: Friday, May 27, 2011

Included Summary Description	Extended	%	Adjusted Material	Extended	%	Adjusted Labor
<input type="checkbox"/> change out transfere switch	\$908.97	33.99	\$308.97	75.73	31.69	24.00

Top Sheet

Raw Cost	\$6,402.69	Sales Per Month	\$0.00
Tax	\$321.40	Return Per Month	\$0.00
Raw Cost With Tax	\$6,724.09	Price Per Sq Foot	\$0.00
Overhead	\$640.27	Hours Per Sq Foot	0.00
Profit	\$0.00	Square Feet	0.00
Total Return \$	\$640.27	Job Months	0.00
Total Return %	8.69	Hours per Week	40.00
Price	\$7,364.36	Workers Per Day	0.00
Bond	\$0.00	Total Hours	24.00
Sell Price	\$7,364.36	Mark Up Sales Tax?	No
Sell Adjusted By:	\$0.00	Use Bond Table?	No
Adj Sell Return	0		\$0.00

Labor	Percent	Hours	Hourly	Burden		
ClassDescription	of Total	Distributed	Rate	Rate	Percent	Labor Cost
Foreman	100.00%	24.00	\$45.00	\$15.75	35.00%	\$1,458.00
Totals:	100.00%	24.00	\$45.00	\$15.75	35.00%	\$1,458.00

MARK UPS

	OVERHEAD		PROFIT	
	Total	%	Amount	%
Materials	\$308.97	+ 10.00%	\$339.87	+ 0.00%
Labor	\$1,458.00	+ 10.00%	\$1,603.80	+ 0.00%
Supplier Quotes	\$4,435.72	+ 10.00%	\$4,879.29	+ 0.00%
SubContractors	\$0.00	+ 10.00%	\$0.00	+ 0.00%
Direct Job Expense	\$200.00	+ 10.00%	\$220.00	+ 0.00%
Equipment Rental	\$0.00	+ 10.00%	\$0.00	+ 0.00%
Totals:	\$6,402.69	+ 10.00%	\$7,042.96	+ 0.00%

TAX Report

	Taxed Amount	Tax Rate %	Tax Amount
Materials	\$308.97	6.50%	\$20.08
Labor	\$1,458.00	0.00%	\$0.00
Supplier Quotes	\$4,435.72	6.50%	\$288.32
SubContractors	\$0.00	6.50%	\$0.00
Direct Job Expense	\$200.00	6.50%	\$13.00
Equipment Rental	\$0.00	6.50%	\$0.00
		Total Tax:	\$321.40

Supplier Quotes

BID SUMMARY REPORT

Name: Sumter Co Generators Sherriffs and

Estimator: JH

Job #: 773

Name	Supplier	Tax (6.5%)	Unit	Multiplier	Dollars
HD	splice krimps	Yes	\$585.72	1.00	\$585.72
TAW		Yes	\$3,850.00	1.00	\$3,850.00
Total:					\$4,435.72

Direct Job Expense

Name	Supplier	Tax (6.5%)	Unit	Multiplier	Dollars
Fuel, Oil & Gas		Yes	\$50.00	1.00	\$50.00
Misc.		Yes	\$150.00	1.00	\$150.00
Total:					\$200.00

#0062 OCALA ELECTRIC HDS
 HD SUPPLY ELECTRICAL, LTD
 1602 NE 6TH AVE
 OCALA FL 34470-3643
 352-732-2995 Fax 352-368-3954

**** QUOTATION ****
 SE35789698
 P/O# :
 14:32:30EST 02/16/12
 Page # : 1 of 1

Sold To: 51284
 MID STATE ELEC OF OCALA
 1612 NE 6TH AVE
 OCALA, FL 34470-3632
 352-622-3208 Fax 352-622-4644

Ship To: 51284
 MID STATE ELEC OF OCALA
 1612 NE 6TH AVE
 OCALA, FL 34470-3632
 352-622-3208 Fax 352-622-4644

Order By	Ship Via	Quote Date				
Robert Palpant	BW BEST-WAY	02/16/12				
Order By	Freight Terms/FOB	Expiration Date				
Robert Palpant	No	03/17/12				
Salesperson	Notes	FOB				
Gary Bradford	PA% 10TH PROX 1.5% SC 50					
Special Instructions	***** * BURNDY CRIMP * * * * *****					
Quantity	UH	Product Description	FD	Unit Price	UH	Net Amount
4	ea	BUR YS34A1 500MCM BUTT SPLICE		33.640	ea	134.56
16	ea	BUR YS27A1 3/0AWG BUTT SPLICE		15.720	ea	251.52
3	ea	BUR YS2CA1 2AWG ALCU BUTT SPLICE		7.460	ea	22.38
		PLUS FRT.				
2		1/0		15.72		31.44
5		4/0		33.64		168.00
						<u>585.72</u>
Reprint .. Reprint		Total Weight	0.0 lbs	Subtotal		406.46
THIS IS A QUOTATION				S & H		0.00
Prices are firm until 03/17/12, subject to change without notice after 03/17/12.				Tax		24.51
SALES TAX IS AN ESTIMATE! S&H IS AN ESTIMATE!				Total Amount		432.97

Job Name: Sumter Co Generators Sherriffs and BOCC

Items+ByProducts

Item #	Item Name	Quantity	Ext Price	Labor Hours
Category: CCode = Generator				
10,861	400A AUTO XFER SWITCH	1.00	\$.00	7.70
Totals for CCode			<u>\$.00</u>	<u>7.70</u>

Category: CCode = Lugs/Termination/Ground				
5,652	#3 85-12 3M 1000V SPLICE	3.00	\$67.06	4.98
5,657	3/0 85-12 3M 1000V SPLICE	16.00	\$382.21	36.00
5,663	500M 85-16 3M 1000V SPLI	4.00	\$156.99	12.00
5,700	3 GA TERMINATION	3.00	\$.00	.66
5,705	3/0 TERMINATION	16.00	\$.00	7.04
5,711	500 MCM TERMINATION	8.00	\$.00	6.24
5,772	SCOTCH 33+ VINYL TAPE	2.00	\$6.85	.00
5,775	SCOTCH 23 RUBBER SPLIC	2.00	\$20.75	.00
Totals for CCode			<u>\$633.86</u>	<u>66.92</u>

Category: CCode = Feeder Wire				
50	3 THHN-CU STRANDED	6.00	\$7.84	.05
56	3/0 THHN CU STRANDED	32.00	\$139.14	.64
62	500 THHN CU STRANDED	10.00	\$128.13	.42
Totals for CCode			<u>\$275.12</u>	<u>1.11</u>

Totals:

\$908.97

~~75.73~~

- 600.00

308.97

24 MH.

Report Totals:

Items+ByProducts

Ext Price	Labor Hours
\$908.97	75.73