



March 20, 2018

Mr. Steve Suggs, E.I.
Weiler Engineering Corporation
6805 Overseas Hwy
Marathon, FL 33050

Re: Change Order Proposal No. 01
KWRU Filter Replacement
Generator Replacement

Dear Mr. Suggs:

As requested in the attached letter dated 02/26/18, we have developed Proposal Summary No. 01 to perform structural and electrical improvements to allow for installation of owner furnished generator in accordance with drawings G-01 thru F-05 & D-01 thru D-05 prepared by Weiler Engineering, signed and sealed by Ed Castle on 02/26/18. Included in the proposal is the cost of furnishing all necessary materials, labor, equipment, tools, supervision, and subcontractor costs required for the specified scope of work.

Clarifications include:

- Existing generator to be turned over to the owner onsite after removal by contractor
- Existing fuel tank to be turned over to the owner onsite after removal by contractor
- Replacement generator is to be owner furnished
- Start-up, testing and fueling of new generator is **not** included
- Engineering for railings, stairs & ladder is included
- Electrical shutdown of the entire plant for approximately **2 hours** will be required at completion of electrical improvements
- Existing emergency generator currently onsite to be utilized to power the North plant for approximately **8 hours**, while the East and West plants will be out of service
- Fueling and maintenance of existing emergency generator is **not** included
- Due to lack of sales representation for the specified product, this proposal includes an allowance of **\$5,000.00** to purchase the hurricane tie down system. If the actual cost of the tie down system exceeds the allowance then additional compensation will be requested, conversely, if the actual cost of the tie down system is less than the allowance then we will credit accordingly.

Attached to this letter you will find our detailed Proposal Summary for the amount of **\$198,956.00** with all associated back-up documentation.

The time extension required for the additional scope of work is **120** calendar days.

Only the items listed in the Proposal Summary are to be considered as included in our scope of work. No cost allowance has been made for items of work not contained in the Proposal Summary, and are specifically excluded from this proposal. This Lump Sum proposal is valid for 5 calendar days.

125 W Indiantown Road, Suite 201, Jupiter, FL 33458 | Phone: (561) 748-5956 | Fax: (561) 748-5958

Generator Scope

To: James Contino Wharton-Smith

From: Steve Suggs

Date: February 26th 2018

Re: KWRU Generator Scope

The items listed below are to be included in a COP for installation of the new KWRU backup generator.

- Demolition & removal of the existing generator. Coordinate with KWRU staff if they would like to salvage any part of the generator prior to disposal.
- Demolition of the existing external fuel tank containment area. Fuel tank shall remain the property of KWRU and will be relocated on the site to an area designated by KWRU staff.
- Installation of modified generator foundation as shown and described in the attached plans.
- Coordinate delivery with Generator supplier and offloading of generator from freight shipper.
- Setting & installation of generator on modified foundation as shown in attached plans.
- Underlayment (like what is proposed for the filters) shall be installed between generator fuel tank and concrete.
- Supply and installation of generator tie-downs as shown on the attached plans including all misc. hardware.
- Installation of aluminum handrail as shown in the attached PDF.
- Design and installation of aluminum access stairway as shown in the attached plans.
- Supply and installation of access ladder as shown in the attached plans.
- **Electrical scope:**
 - Modification of generator distribution system from 1200 amp single breaker to (2) 600 amp rated breakers. Work to be performed in accordance with the latest version of the NEC by a professionally licensed electrician. Breaker modification work shall be warranted by the contractor in accordance with the provisions shown in division 16000 specifications.

- Supply and installation of a 600 amp 316SS NEMA 4X rated ATS to replace existing transfer switch. Transfer switch shall be similar to the one installed as part of the WWTP plant expansion project.
 - Existing disconnect that was just installed as part of the WWTP expansion project shall be relocated and reused.
 - Contractor shall install all conduit, 316SS conduit supports, wires, etc.. necessary to provide a functioning system. Conduit sizes to be per NEC.
 - Contractor shall supply all necessary components to wire temporary on-site generator into existing electrical system in order to provide backup power for the WWTP while new generator is being installed.
 - New ATS status shall be shown in SCADA just as the one installed during the WWTP expansion.
- The contractor shall provide any and all items not described in this document and the attached plans that is required for proper installation and function of the generator system.



CHANGE ORDER COST PROPOSAL NO. 01

Revision 00

KWRU WWTP FILTER REPLACEMENT

PROPOSAL SUMMARY

3/20/2018

#	DESCRIPTION	NOTES		
1	Furnish all necessary labor, materials, tools, equipment & supervision required to perform structural and electrical improvements to allow for installation of owner furnished generator in accordance with attached Generator Scope letter dated 02/26/18 and drawings G-01 thru G-05 & D-01 thru D-05 prepared by Weiler Engineering and signed & sealed by Ed Castle on 02/26/18.			
2				
3				
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10		The duration for the additional work outlined in this proposal is <u>30</u> calendar days.		
11	The Contract Time Extension due to this <u>Change Order</u> is <u>120</u> calendar days.			
12	MATERIALS	TOTAL		
13	From Page 2	\$ 61,870.00		
14	* 6% State Tax plus 1-1/2% County Surtax	Tax 7.50% \$ 3,712.20 \$ 65,582.20		
15	* County Surtax applies to 1st \$5,000	Markup 15.0% \$ 9,837.33 \$ 75,419.53		
16		\$ 75,419.53		
17				
18	LABOR	HRS	AVG \$ / HR	TOTAL
19	From Page 3	688.24	\$ 58.72	\$ 40,411.00
20			Markup 15.0% \$ 6,061.65	\$ 46,472.65
21				\$ 46,472.65
22				
23	TOOLS & EQUIPMENT	TOTAL		
24	From Page 4	\$ 15,240.68		
25	* 6% State Tax plus 1-1/2% County Surtax	Tax 7.50% \$ 1,143.05 \$ 16,383.73		
26	* County Surtax applies to 1st \$5,000	Markup 15.0% \$ 2,457.56 \$ 18,841.29		
27		\$ 18,841.29		
28				
29	SUBCONTRACTS	TOTAL		
30	From Page 5	\$ 55,450.00		
31		\$ -		
32				
33				
34		Subtotal \$ 55,450.00		
35		Markup 5.0% \$ 2,772.50 \$ 58,222.50		
36		\$ 58,222.50		
37				
38	OTHER	QTY	REFERENCE	TOTAL
39	Extended Overhead		Days * Cost Per Day	\$ - \$ -
40	Additional Insurance	0.45%	M + L + T&E + S	\$ 198,955.97 \$ 895.30
41	Additional Bond	0.55%	M + L + T&E + S	\$ 199,851.27 \$ 1,099.18
42			Subtotal	\$ 1,994.48
43			Markup 0.0%	\$ 1,994.48 \$ -
44				\$ -
45				
46	FINAL QUOTE TOTAL	TOTAL		
47		\$ 198,956.00		
48				
49		\$ 198,956.00		

KWRU 018277

CHANGE ORDER COST PROPOSAL NO. 01

Revision 00



KWRU WWTP FILTER REPLACEMENT

MATERIAL ESTIMATE

#	MATERIALS	INV	QTY	UNIT	UNIT RATE	TOTAL	NOTES	
1	Concrete		140	cy	\$ 275.00	\$ 38,500.00		
2	Rebar		5398	lbs	\$ 0.50	\$ 2,699.00		
3	Allowance - Hurricane Tie Down System		1	LS	\$ 5,000.00	\$ 5,000.00		
4	Aluminum Railings, Stairs & Ladder		1	LS	\$ 15,121.00	\$ 15,121.00		
5	Epoxy - Simpson ET		1	LS	\$ 250.00	\$ 250.00		
6	Underlayment		3	rolls	\$ 100.00	\$ 300.00		
7						\$ -		
8						\$ -		
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31						\$ -		
32						\$ -		
33						\$ -		
34						\$ -		
35						\$ -		
36						\$ -		
37						\$ -		
38	MATERIAL SUBTOTAL					TOTAL		
39						\$ 61,870.00		
40						\$ 61,870.00		



CHANGE ORDER COST PROPOSAL NO. 01

KWRU WWTP FILTER REPLACEMENT

LABOR ESTIMATE

Revision 00

#	LABOR	HRS		RATE		COST			NOTES
		ST	OT	ST	OT	ST	OT	TOTAL	
1	Superintendent	80		\$ 95.00	\$ 142.50	\$ 7,600.00	\$ -	\$ 7,600.00	
2	Asst. Superintendent	0		\$ 85.00	\$ 127.50	\$ -	\$ -	\$ -	
3	Surveyor	0		\$ 65.00	\$ 97.50	\$ -	\$ -	\$ -	
4	Craft Foreman	168		\$ 65.00	\$ 97.50	\$ 10,920.00	\$ -	\$ 10,920.00	
5	Operator	0		\$ 60.00	\$ 90.00	\$ -	\$ -	\$ -	
6	Rodbuster	0		\$ 50.00	\$ 75.00	\$ -	\$ -	\$ -	
7	Carpenter	168		\$ 50.00	\$ 75.00	\$ 8,400.00	\$ -	\$ 8,400.00	
8	Pipefitter	0		\$ 50.00	\$ 75.00	\$ -	\$ -	\$ -	
9	Plumber	0		\$ 50.00	\$ 75.00	\$ -	\$ -	\$ -	
10	Finisher	0		\$ 45.00	\$ 67.50	\$ -	\$ -	\$ -	
11	Laborer	168		\$ 40.00	\$ 60.00	\$ 6,720.00	\$ -	\$ 6,720.00	
12					\$ -	\$ -	\$ -	\$ -	
13					\$ -	\$ -	\$ -	\$ -	
14					\$ -	\$ -	\$ -	\$ -	
15					\$ -	\$ -	\$ -	\$ -	
16					\$ -	\$ -	\$ -	\$ -	
17					\$ -	\$ -	\$ -	\$ -	
18					\$ -	\$ -	\$ -	\$ -	
19					\$ -	\$ -	\$ -	\$ -	
20					\$ -	\$ -	\$ -	\$ -	
21		584.0	0.0			\$ 33,640.00	\$ -		
22		584.0						\$ 33,640.00	
23									
24	ADJUSTMENTS		%	HRS		RATE / HR		TOTAL	
25	Material Handling		7.0%	40.88		\$ 30.00		\$ 1,226.40	
26	Testing & Cleaning		2.5%	14.6		\$ 30.00		\$ 438.00	
27	Warranty & Punchlist		1.5%	8.76		\$ 35.00		\$ 306.60	
28				64.24				\$ 1,971.00	
29									
30	PROJECT MANAGEMENT			HRS		RATE / HR		TOTAL	
31	Project Manager			40		\$ 120.00		\$ 4,800.00	
32	Asst. Project Manager			0		\$ 105.00		\$ -	
33	Project Engineer			0		\$ 75.00		\$ -	
34				40.0				\$ 4,800.00	
35									
36	LABOR SUBTOTAL			HRS		AVG \$ / HR		TOTAL	
37	Manhours	584.0	64.2	40.0	688.2	\$ 58.72		\$ 40,411.00	
38					688.2				
39								\$ 40,411.00	
40									



**CHANGE ORDER COST PROPOSAL NO. 01
KWRU WWTP FILTER REPLACEMENT
EQUIPMENT ESTIMATE**

Revision 00

#	TOOLS	DESCRIPTION	REF		RATE	TOTAL	
1	Small Tools	4% Labor Cost	\$ 40,411		4%	\$ 1,616.44	
2	Consumables	\$1.00 / Labor Hr	688.2		\$ 1.00	\$ 688.24	
3						\$ -	
4						\$ 2,304.68	
5							
#	EQUIPMENT	DESCRIPTION	QTY	UNIT	RATE	TOTAL	
7	Pickup Truck	Superintendent	1.0	LS	\$ 800.00	\$ 800.00	
8	Vehicle			LS	\$ 750.00	\$ -	
9	Backhoe/Loader			Day	\$ 465.00	\$ -	
10	Manlift			Day	\$ 450.00	\$ -	
11	Generator			Day	\$ 68.50	\$ -	
12						\$ 800.00	
13							
#	RENTALS	DESCRIPTION	QTY	UNIT	RATE	TOTAL	
15	Crane		1.00	LS	\$ 7,000.00	\$ 7,000.00	
16	Combination		1.00	Month	\$ 3,500.00	\$ 3,500.00	
17	Compactor		1.00	Day	\$ 250.00	\$ 250.00	
18	Lull Loader			Day	\$ 575.00	\$ -	
19	Backhoe			Day	\$ 465.00	\$ -	
20	Concrete Pump			Day	\$ 960.00	\$ -	
21	Excavator			Day	\$ 465.00	\$ -	
22	150 Ton Crane			Day	\$ 3,500.00	\$ -	
23	Core Drill			Day	\$ 85.00	\$ -	
24						\$ 10,750.00	
25							
#	FUEL	DESCRIPTION		Rate	REF	TOTAL	
27	Equipment Fuel	12% Fueled Equipment Cost		12%	\$ 11,550.00	\$ 1,386.00	
28						\$ 1,386.00	
29							
30							
31	EQUIPMENT SUBTOTAL					TOTAL	
32						\$ 15,240.68	
33							
34					\$ 15,240.68		



**CHANGE ORDER COST PROPOSAL NO. 01
KWRU WWTP FILTER REPLACEMENT
SUBCONTRACT ESTIMATE**

Revision 00

#	SUBCONTRACTOR	SCOPE	INV	TOTAL	NOTES
1	Nearshore Electric	Electrical Scope of Work		\$ 51,450.00	
2	Bella Construction	Concrete Pumping - 39 meter boom pump w/ (1) additional labor for 8 hours		\$ 2,500.00	
3	Tierra	Independent Testing		\$ 500.00	
4	Surveyor	Survey/As-built Dwg		\$ 1,000.00	
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38	SUBCONTRACT SUBTOTAL			TOTAL	
39				\$ 55,450.00	
40				\$ 55,450.00	

James Contino

From: James Contino
Sent: Monday, March 19, 2018 1:24 PM
To: Gregory Williams (gwilliams@whartonsmith.com)
Subject: 17-160 - KWRU WWTP Filter Replacement - Concrete

Greg,

Monroe Concrete pricing:

- 5,000 psi regular = \$192.75 / cy
- 5,000 psi pump able = \$275.00 / cy

Thanks,

James M. Contino | Project Manager
Wharton-Smith, Inc. | Construction Group of Choice | www.whartonsmith.com

125 W. Indiantown Road, Suite 201, Jupiter, FL 33458
Office: (561) 748-5956 Ext. 2321 | Cell: (561) 354-8786 | Fax: (561) 748-5958

James Contino

From: Canizares, Guillermo <Guillermo.Canizares@hdsupply.com>
Sent: Monday, March 19, 2018 11:22 AM
To: James Contino
Subject: RE: 17-160 - KWRU WWTP Filter Replacement - Rebar

James,

The total weight for the above job is 5,398 Lbs @ \$0.50/Lb = \$2,699.00 + TAX. This price is subject to change due to the volatility of the rebar market.

Please note that this price is good till 03/23/18.

If you have any questions please do not hesitate to call me.

Regards,

Guillermo Cañizares
Fabrication Manager
HDS White Cap Construction Supply – BR# 251
10800 NW 92nd Terrace – Suite 103
Miami, FL 33178
P – 305-885-8699
F – 305-885-6621
C – 305-525-1533

One Team driving Customer Success and Value Creation

Please consider the environment - think before you print

From: James Contino [mailto:jcontino@whartonsmith.com]
Sent: Friday, March 16, 2018 4:35 PM
To: Canizares, Guillermo <Guillermo.Canizares@hdsupply.com>
Cc: Nancy O'Neill <noneill@whartonsmith.com>; Kilbourne, Michael W <MICHAEL.KILBOURNE@hdsupply.com>; Erica Marnati <emarnati@whartonsmith.com>
Subject: 17-160 - KWRU WWTP Filter Replacement - Rebar

Guillermo,

Attached please find the drawings for the generator slab. Please provide pricing to furnish the rebar and tie downs delivered to Key West. Please include in your proposal to furnish the rebar drawings.

Thanks,

James M. Contino | Project Manager
Wharton-Smith, Inc. | Construction Group of Choice | www.whartonsmith.com

125 W. Indiantown Road, Suite 201, Jupiter, FL 33458
Office: (561) 748-5956 Ext. 2321 | Cell: (561) 354-8786 | Fax: (561) 748-5958

T3 CUSTOM FABRICATION, INC.

P.O. Box 1687, Sorrento, FL 32776
Estimating PH (352) 409-7432 Fax (800) 657-6619
Main Office PH (352) 742-2060

BID #18-126
Original Date: 03/13/18

To: General Contractors

Attn: Project Estimators

JOB NAME: KWRU WWTP
BID DATE: ASAP
LOCATION: STOCK ISLAND, FL
PLANS: 12 of 12
SPECIFICATIONS:
ADDENDUMS REVIEWED:

SCOPE OF WORK

- 1) ALUMINUM STAIRS (2) @ GENERATOR
- 2) ALUMINUM HANDRAIL @ GENERATOR & STAIRS
- 3) ALUMINUM LADDER
- 4) ENGINEERING FOR ABOVE\$2,500.00

TOTAL PRICE \$15,121.00 PLUS TAX

Delivery: F.O.B. Tavares, FL Number of Shipments in Above Price (1)
(If, at the request of the buyer, additional deliveries are required, the additional cost and change order will be received prior to shipment)

Exclusions:

- Addendums unavailable for review (see addendums reviewed above)
- Erection of furnished materials (unless specifically included)
- Field measurements
- Testing and inspection costs
- Bond premium (unless specifically included)
- Responsibility of design and code requirements where specific sizes appear on drawings
- Signed and sealed shop drawings by a Florida registered engineer, unless specifically included in scope above
- Engineering calculations are specifically excluded but, if required, will be added to the price quoted above on a cost-plus basis

Qualifications:

- Structural and miscellaneous metals will be shop primed to specifications.
- Mechanical aluminum handrail will be supplied sub-assembled (unless noted otherwise).
- Material and labor cost are subject to review after 30 days.

KWRU 018285

- Prices include only those items specifically listed in this proposal.
- Any item over 8'-0" wide or 9'-0" high will be shipped "knocked down" for field welding or bolting.
- Our total price includes only those items specifically listed in our scope of work.
- We do not accept retainage as a part of payment terms.
- Pricing assumes that all items will be shipped to the jobsite within 12 months of this proposal and that payment terms are 1/2% 10, net 30 from date of invoice.
- Drawing and delivery schedule will be negotiated at the time the purchase order is tendered. Work will not begin until an approved purchase order or satisfactory letter of intent is received.

Terms and conditions of quotation and sale:

- Agreements outside of contract: It is expressly agreed that there are no promises, agreements, or understandings outside of this contract and any subsequent cancellations or modifications must be mutually agreed upon in writing.
 - The term "T3" as used herein shall mean T3 Custom Fabrication, Inc. The word "materials" as used herein shall mean any and all items tendered within the scope of this proposal or to be added to it, at a subsequent date.
 - 1/2% 10, net 30 days, no retainage
 - This proposal is based on release of, and fabrication and delivery of materials specified herein in substantially complete and contiguous sub-units. Partial releases and deliveries are subject to additional charges for costs incurred by T3 at their sole discretion.
 - The contract between the buyer and T3 shall consist of buyer's purchase order and any quotation/proposal made by T3 referred to in buyer's purchase order, with the written acceptance of same by T3, and these terms and conditions of quotation and sale.
- The buyer shall inspect all materials immediately upon their arrival for both quantities and conformance with the contract requirements and shall within five (5) days thereafter, give written notice to t3 of any claims that the materials do not conform to the requirements of the contract. If no such notice is given within said five (5) day period of time, the materials shall conclusively be deemed to conform in all aspects to the requirements of the contract. All claims made within the said five (5) day period will, if justified, be satisfied by T3.
- Special conditions on the buyer's purchase order in no way negate the above conditions of sale. In ordering the materials described above, the buyer accepts all of these conditions whether noted on his purchase order or not.
 - Our price does not include: sales tax, erection, taking of field dimensions, any item not specifically listed in our scope.
 - Proposal acceptance: This proposal is offered for acceptance within 30 days from date herein, after which it is subject to confirmation by the seller.
-

QUOTED BY:

GEORGE WILSON

KWRU 018286



Nearshore Electric, Inc.

State Certified Electrical Contractor

#EC13001186

Scope of Work

Owner: Key West Resort Utilities

Job #1242018

Project: Generator Hookup

CO#1

Project Address: 6630 Front Street

Confidential

Key West, FL 33040

March 14, 2018

To all concerned,

We are pleased to offer you our proposal for the electrical work required at KWRU WWTP in Key West Florida. All work performed by Nearshore Electric, Inc. shall conform to current codes, regulations, and project specifications. All work performed by Nearshore Electric, Inc. shall be warranted for a period of one year. The following breakdown describes the items and services that Nearshore Electric, Inc. shall provide as well as any exclusion from our scope of work.

INCLUDED IN BID:

- ◆ Disconnect existing generator
- ◆ Connect temp generator to existing services
- ◆ Install conduit in new slab extension for generator power, control, battery charger and jacket heater
- ◆ Relocate existing 600amp disconnect to new location on generator slab
- ◆ Provide and install new 600amp disconnect for East and West plant EM power
- ◆ Provide and install open transition ATS 600amp NEMA4X SS located on generator slab
- ◆ Install conduit and wire from new ATS to existing ATS location
- ◆ Remove existing ATS switch and terminate new conductors to existing conductors
- ◆ Re-route existing conduits feeding existing ATS for new plant to new 600amp disconnect location on generator slab
- ◆ Re-route existing ATS control conduit to new generator
- ◆ Install auxiliary ground rod and bond slab steel and generator frame
- ◆ Install wire for power and control and terminate
- ◆ Workers Comp/General Liability Insurance
- ◆ Taxes
- ◆ Warranty

EXCLUDED FROM BID:

- ◆ Permit fees
- ◆ Generator
- ◆ Generator fuel
- ◆ Batteries
- ◆ Load bank testing
- ◆ Any Scope of work not clearly shown on drawings or within the bid documents and/or specifications is not included in this proposal.

We propose to furnish material and labor, complete in accordance with the above specifications, for the lump sum of: **Fifty One Thousand Four Hundred Fifty Dollars and No Cents \$51,450.00**

Authorized Signature _____

Jeffery L Kirk ~ President

Date 3/14/2018



RATE SHEET

CONCRETE PUMPING

2" SYSTEM

MOBILIZATION \$55
PLUS
2 HOUR MINIMUM PUMPING \$185
PLUS
ADDITIONAL HOURS @ \$55 / HOUR
OVER 150' HOSE EXTRA HOSE CHG \$50

3"- 5" SYSTEM

MOBILIZATION \$75
PLUS
2 HOUR MINIMUM PUMPING \$300
PLUS
ADDITIONAL HOURS @ \$100 / HOUR
OVER 150' HOSE EXTRA HOSE CHG \$75

39 METER BOOM PUMP

MOBILIZATION \$150
4 HOUR MINIMUM PUMPING \$600
ADDITIONAL HOURS @ \$150 / HOUR
PLUS - \$3.50 PER CUBIC YARD PUMPED

****PUMPING INCLUDES PUMP OPERATOR ONLY
EXTRA LABOR MUST BE REQUESTED IN ADVANCE
LABOR RATE \$40 HOUR ****

****ALL PUMPING INVOICES ARE SUBJECT TO A 7.5% FUEL SURCHARGE & \$15.00 SLICK PRIME
FEE****

PUMP, PLACE & FINISH - CALL FOR PRICING



LABOR RATE SHEET

OUR LABOR RATES ARE AS FOLLOWS:

LABORER	\$35.00
CARPENTERS HELPER	\$45.00
CARPENTER – JOURNEYMAN	\$55.00
FINISHER	\$60.00
MASONS HELPER	\$30.00
MASON	\$45.00
FOREMAN	\$65.00
SUPERINTENDENT	\$75.00

MATERIAL IS BILLED AT COST PLUS 15%