

Key Largo Wastewater Treatment District Board of Commissioners Meeting Agenda Item Summary

Meeting Date:
July 2, 2024

Agenda Item Number: M-1

Action Required:
Yes

Department:
Capital Projects

Sponsor:
Steve Suggs

Subject:
VPS Mods CO#4 Stainless-steel Odor piping, Vac Trailer Electric, Alt. Valves

Summary of Discussion:

Attached is Change Order #4 for the KLWTD VPS Mods Project. During construction the Owner noticed excessive corrosion on the ductile iron odor control header piping at Vacuum Stations A, D, and I. Therefore, this change order is to replace the ductile iron piping with stainless steel piping. This change order is also for the electrical work to install conductors in the Owner supplied conduits between the trailer mounted control panel and receptacles. Finally, this change order takes credit for a deductive change in the amount of \$5,361.00 for a valve purchase.

Reviewed / Approved

Financial Impact

Attachments

Operations: _____
Administration: _____
Finance: _____
District Counsel: _____
District Clerk: _____
Engineering: _____

\$ 104,252.79

Funding Source:

District

Budgeted:

Partially

1. Change Order 4
2. WEC Memo
3. Reynolds PCO #1 (Odor control piping)
4. Reynolds PCO #2 (Emergency Vac Trailer Electrical)
5. Alternative valve memo
6. Reynold's Time Extension Request Memo

Approved By:  Date: 6/27/2024
General Manager

**SECTION 00950
CHANGE ORDER FORM**

CONTRACTOR ("Contractor"): Reynolds Construction, LLC	CHANGE ORDER No. 4 PROJECT TITLE: KLWTD Vacuum Station Modifications PROJECT No. 03105.078:183
OWNER: Key Largo Wastewater Treatment District ("Owner" or "District")	ENGINEER': Weiler Engineering 6805 Overseas Hwy Marathon, Florida 33050
DATE OF ISSUE: July 2 nd , 2024	EFFECTIVE DATE: <u>July 2nd, 2024</u> , contingent upon approval by the District's Board of Commissioners. Contractor shall commence work only after receipt of notification to proceed by the District's Contract Manager.
<p>Description of Work to be Performed: The Contractor is hereby authorized and directed to perform the following Work, generally described as: The work associated with this change order would replace all ductile iron odor control header piping with stainless steel piping at Vacuum Station A, D, and I. Owner is to provide all associated materials. Additionally, this change order is for the net cost lump sum for the modifications to the Owner furnished Emergency Vac Trailer to install electrical conductors in Owner provided conduits between the existing trailer mounted control panel and receptacles furnished and installed by the Owner. Lastly, this change order accounts for a cost difference for the purchase of incorrect valves for the Vac Station E influent valves per the attached memo.</p> <p>The Contractor shall be responsible for delivery and acceptance of the materials on behalf of the District and shall retain full responsibility and liability for all aspects of the work as defined in the Contract Documents.</p> <p>Reason for Change: During the construction phase of the project, KLWTD staff and Reynold's noticed excessive corrosion on the ductile iron odor control header pipes at Vac Stations A, D, and I. The work associated with this change order would replace all ductile iron odor control header piping with stainless steel piping at Vacuum Station A, D, and I. For the Emergency Vacuum Trailer Electrical portion of the change order, the District needed an electrician to install the electrical conductors in the Owner supplied conduits to provide power between the existing trailer mounted control panel and receptacles furnished and installed by the Owner. Lastly, this change order accounts for a cost difference for the purchase of incorrect valves for the Vac Station E influent valves per the attached memo.</p> <p>Work to be Performed is more specifically described as: See attached details</p> <p>Attachments: Reynolds PCO #1 Stainless Steel Piping Modifications, Reynolds PCO#2 for the Modifications to the Emergency Vac Trailer, and Alternate Influent Valves Memo, Reynolds Time Extension Request Memo, Memo to KLWTD Commissioners from Weiler Engineering</p>	
Total Proposed Increase (decrease) in Contract Price and Contract Time for this Change Order	
Increase (decrease) in Contract Price: <p style="text-align: center;">\$104,252.79</p>	Increase (decrease) in Contract Time (Calendar days): <p style="text-align: center;">175 Days</p>
<p>Acknowledgments:</p> <p>The aforementioned change, and work affected thereby, is subject to and governed by all provisions of the original Agreement and RFP. It is expressly understood and agreed that the approval of this Change Order shall have no effect on the original Agreement, including all GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, and STANDARD SPECIFICATIONS, other than matters expressly provided herein.</p>	

This Change Order constitutes full and mutual accord and satisfaction for the adjustment of the Contract Price and Contract Time as a result of increases or decreases in cost and time of performance caused directly and indirectly from the change. Acceptance of this Change Order constitutes an agreement between OWNER and CONTRACTOR that the Change Order represents an equitable adjustment to the Agreement and that CONTRACTOR shall waive all rights to file a Contract Claim or claim of any nature on this Change Order. Execution of this Change Order shall constitute CONTRACTOR's complete acceptance and satisfaction that it is entitled to no more costs or time (direct, indirect, impact, etc.) pursuant to this Change Order. Owner may require consent of the Contractor's surety, if any, to the terms of this Change Order.

Original Contract Price: \$3,155,800.00	Original Contract Time: 365 Days (Calendar days or dates)
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SUMMARY OF PRIOR CHANGE ORDERS

CO No.	Description of Change	Change in Contract Price	Change in Contract Time
1	Owner Direct Purchase of AIRVAC parts and valve packages from Ferguson and Fluid Control Specialists	\$ (500,192.00)	0 Days
2	Owner Direct Purchase of Piping Materials #1	\$ (84,880.31)	0 Days
3	Owner Direct Purchase of Piping Materials #2	\$ (44,360.01)	0 Days
4		\$	Days
5		\$	Days
6		\$	Days
TOTAL OF ALL PRIOR CHANGES		\$(629,432.32)	0 Days
CURRENT CONTRACT PRICE AND TIME (Adjusted by Prior Change Orders BUT before adjusting for this Change Order)		\$ 2,526,367.68	365 Days
NEW CONTRACT PRICE AND TIME (Adjusted by Prior Change Orders AND this Change Order)		\$2,630,620.47	540 Days
Original Contract Substantial Completion Date: 05/18/2024		New Contract Substantial Completion Date: 11/09/2024	

APPROVAL AND CHANGE ORDER AUTHORIZATION

Contractor: <u>Reynolds Construction LLC</u>	Owner: <u>Key Largo Wastewater Treatment District</u>
_____ By (Signature)	_____ By (Signature)
<u>Joshua Vondersaar, Operations Manager</u>	<u>Peter Rosasco, General Manager</u>



“Excellence in Engineering”

6805 Overseas Highway
Marathon, Florida 33050
(305) 289-4161 ph
(305) 289-4162 fax

MEMO

To: KLWTD Commissioners
From: Steve Suggs, PE – Weiler Engineering
Date: July 2nd, 2024
Re: KLWTD VPS Mods Project Change Order #4

The attached Change Order #4 for the Vacuum Station Modifications Project contains three separate items: (1.) direct purchase for alternative valves for Vacuum Station E (2.) labor for replacing the ductile iron odor control header piping. (3.) Electrical modifications to the Emergency Vac Trailer.

The first item in the change order is owner direct purchasing of alternative valves at Vacuum Station E (“E”). While ordering the valves, Reynolds was unaware of the uniqueness of the size and orientation of the influent valves at E. Per “Alternative Influent Valves” memo from Reynolds, the cost of the alternative valves is \$2,904.00 greater than what was originally purchased. Also, in order to return the original valves, a restocking fee in the amount of \$2,457.00 will be incurred by Reynolds via a deduction of contract amount. The total **contract deduction** for the direct purchase of the alternative valves is **\$5,361.00**; however, there is no impact on the overall project cost.

Secondly, during construction of the Vacuum Station Modifications Project, degradation of the ductile iron odor control header piping was noticed by District staff at Vac Stations A, D, and I (other stations have stainless steel piping for the odor control header piping). The corrosion of the piping is caused by the high concentrations of hydrogen sulfide gases in the vacuum pump discharge reacting with the ductile iron piping. At Vacuum Station D, the corrosion has caused a hole in the piping which is currently “band aided” by the District. A proposal from Reynolds was requested by District staff to supply labor to replace the ductile iron odor control with stainless steel piping, materials are to be supplied by the District. The cost of labor is \$98,393.15 per Change Proposal Summary 1 from Reynolds, which would directly impact the overall project cost.

Finally, KLWTD requested that Reynold’s get a quote from their electrical subcontractor, Benson Electric to perform the necessary electrical modifications to the conductors in the Owner supplied conduits between the trailer mounted control panel and the receptacles furnished and installed by the Owner for the KLWTD Emergency Vac Trailer. A proposal from Reynolds was requested by District staff to supply labor to install the electrical for the conductors. The District provided in place complete conduit system, outlet boxes mounted including any structural modifications, supports, fitting and appurtenances. The

cost of labor is \$11,220.64 per Change Proposal Summary 1 from Reynolds, which would directly impact the overall project cost.

By approving Change Order #4 for the Vacuum Station Modification Project, the contract amount with Reynolds Construction would increase by a total of \$104,252.79; however, **the overall project cost would increase by a total of \$109,613.79 (plus cost of materials which are to be purchased by the District).**

(Printed Name and Title of Officer)	(Printed Name and Title of Officer)
(Date) _____	(Date) _____
ATTEST:	ATTEST:
_____	_____
(Secretary)	District Clerk
(Corporate Seal)	(Seal)



Reynolds Construction

300 East Broad St
Fairburn, GA 30213

CHANGE PROPOSAL

SUMMARY NO:

2

PROJECT NAME	KLWTD Vacuum Station Modifications	PROJ. NO.:	22309
LOCATION:	Key Largo, Florida	DATE:	5/13/2024 5/28/2024 6/12/2024
OWNER:	Key Largo Wastewater Treatment District (KLWTD)	DRAWING NO.:	
ENGINEER:	Weiler Engineering Corporation (WEC)	SPEC. SECTION:	

REFERENCE	PCO NO.: 001	FIELD DIRECTIVE NO.:	N/A	RFI NO.:	OTHER:
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DESCRIPTION: Vacuum Station Stainless Steel Modifications

Pricing provided is for all labor, materials, equipment, and subcontractor work required with modifying the odor control header pipe at select stations. All shutdowns for the odor control header pipe will occur at night and will require KLWTD staff on-site. Reynolds intends to inspect and reuse all acceptable stainless steel fittings to reduce the cost incurred by KLWTD. Pricing does not include disposal of pipe and fittings or any additional transportation or handling of material off-site. Pricing does not include relocation of existing pipe supports only modifications to the existing holes drilled for U-bolts. Pricing does not include any additional pipe supports.

PRICING INFORMATION

	SKILL/TRADE	MAN-HOURS	RATE	COST
1. DIRECT LABOR	See backup sheet for breakdown	546	-	\$ 42,252.76
1.A PRODUCT LABOR:				
1.B <input type="checkbox"/> FOREMAN <input type="checkbox"/> SUPERINTENDENT	Safety	0	\$ 88.24	\$ -
	QA/QC	0	\$ 86.28	\$ -
1.C OFFICE ENGINEERING:	Superintendent	0	\$ 133.00	\$ -
	Field Engineer	24	\$ 86.28	\$ 2,070.72
	Project Manager	0	\$ 133.00	\$ -
1.D BURDEN	Labor Burden (included in Rates)			\$ -
				\$ 44,323.48

	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	COST
2. MATERIALS AND EQUIPMENT					
2.A INCORPORATED IN WORK:	See Detail Break Down	1	LS	\$ 22,028.36	\$ 22,028.36
2.B CONSUMED IN PERFORMANCE:	Small Tools and Expendables (5% of field labor) <i>-(STC pending task)</i>				\$ 2,112.64
2.C EQUIPMENT:	See Backup Sheet	1	LS	\$ 3,598.77	\$ 3,598.77
	Fuel and Service 20% of Equip Cost	1	LS	\$ 719.75	\$ 719.75
2.D DIRECT COSTS:					\$ 28,459.52
2.E SALES TAX: 7.5%					\$ 2,134.46
					\$ 30,593.98

	NAME	DESCRIPTION OF WORK	COST
3. SUBCONTRACTORS			
3.A DIRECT:	Tenacious Fabricating	8" Header Pipe Stainless Steel Fabrication	\$ 9,600.00
3.B LOWER TIER:			
			\$ 9,600.00

Contract Time Extension Costs		Days Requested	Daily Rate	COST
No	Contractor Extension Costs	TBD	0	\$ -
No	Subcontractor Extension Costs	0	0	\$ -
*(daily rate is subject to change per actual OH items)				Total Time Extension Costs \$ -
EXTENSION OF CONTRACT TIME:				
N/A	This Proposal does not include any \$ for extension or acceleration but the right to ask for these costs at a later date is expressly reserved if determined to be necessary.			
N/A	Extension cost is included in this proposal			
N/A	Acceleration cost to maintain project schedule are included in this proposal. *			
5. FEE STRUCTURE				
	Rate	COST	Overhead & Profit 15%	SUBTOTAL
A. Contractor				
1. Direct Labor:		\$ 44,323.48	15%	\$ 50,972.00
2. Material & Equipment:		\$ 30,593.98	15%	\$ 35,183.08
3. Subcontractors:		\$ 9,600.00	5%	\$ 10,080.00
4. Bond & Insurance:	1.95%	\$ 1,876.58	15%	\$ 2,158.07
TOTAL COST OF THIS CHANGE PROPOSAL (All deductions shown in parentheses):			TOTAL	\$ 98,393.15
RECORD DOCUMENTS: As part of this Change Proposal, the Contractor shall provide applicable record drawing information affected by this change. ✓				
Signed: Josh Vondersaar		5/13/2024		
Title: Senior Project Manager		Date: 5/28/2024-6/12/2024		
Contractor: Reynolds Construction, LLC				
ACCEPTANCE BY OWNER				
Signature of Owner's Authorized Representative: _____ Date: _____				
_____ Engineer to prepare necessary change order _____ Engineer to Re-negotiate change proposal as noted above _____ Other as above				
OWNER: Key Largo Wastewater Treatment District		CONTRACTOR: Reynolds Construction		PROJECT: 22309
ENGINEER: Weiler Engineering Corporation		FIELD:		NO.: 01
		OTHER:		DATE:



a MORSCO brand

CUSTOMER NO	QUOTING BRANCH	QUOTE NO	QUOTE DATE	PAGE
201101	FORTILINE MIAMI	6496584	5/21/24	1

CUSTOMER
REYNOLDS CONSTRUCTION, LLC 4544 N STATE ROAD 7 ORLEANS, IN 47452

PROJECT INFORMATION
KLWTD ODOR CONTROL HEADER PIPE UPGR VPS Modifications Project

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
10	3	EA	8" 304 SS WELD CAP	257.6900	773.07
20	100	EA	8" SCH10 304 SS PIPE	50.1500	5,015.00
30	15	EA	3"X5" 304 SS NIPPLE	33.1700	497.55
40	15	EA	3" SS FLG IPS THRD	62.9700	944.55
50	1	EA	8" 304 SS WELD 90	150.1900	150.19
60	1	EA	8" 304 SS WELD 45	107.1400	107.14
70	1	EA	8" 304SS WELD ON FLANGE	254.5300	254.53
100	2	EA	8" SCH80 PVC VANSTONE FLG SOC	104.2400	208.48
110	60	FT	8" SCH80 PVC PIPE PE	42.3100	2,538.60
120	2	EA	8" SCH80 PVC 45 HXH	179.9600	359.92
130	1	EA	8" SCH80 PVC 90 HXH	190.3800	190.38
140	1	EA	10"X8" SCH80 PVC CPLG HXH	1,004.2900	1,004.29
170	2	EA	10X8 304SS RELD REDUCER	96.0200	192.04
180	9	EA	10" 304SS WELD ON FLANGE	383.6300	3,452.67
190	2	EA	10" 304SS WELD TEE	353.3500	706.70
200	3	EA	10" SCH80 PVC VANSTONE FLG SOC	334.6900	1,004.07
210	9	EA	10" FLANGE KIT 316SS VITON	253.3300	2,279.97
220	2	EA	10" MEGA FLG REST ADPT 316SS B&N	869.6500	1,739.30
			Other Charges		
			FREIGHT		250.00
			Other Charges Total:		250.00
			Subtotal:		21,668.45
			Tax:		1,516.78
			Bid Total:		23,185.23

ALL STOCK DELIVERIES ARE SUBJECT TO SHIPPING CHARGES

All PVC and HDPE material is quoted for shipment within 7 days of quote/bid date. All other material is quoted for shipment within 30 days of quote/bid date.
After 7 days for PVC and HDPE or 30 days for all other material, ALL quoted prices are subject to review based on current market conditions.

Ent By CD2 5/24/24 12:17:35



TNEMEC COMPANY, INC

123 West 23rd Avenue
North Kansas City, MO
64116 USA

Tel +1 816-483-3400
Fax +1 816-483-3401
tnemec.com

Invoice	
Date : 05/21/24	Number : 2669997
Customer #: 118317	Territory : 026
Order #: 1101197	Terms : NET30
Price Agreement :	Tax Code :
Shipped Date : 05/21/24	FOB : SHIP POINT
Freight Terms : LTL	Routing : FEDEX FREIGHT LTL-PR
PO # : KLWTD VAC STATIONS	
Project : KEY LARGO2024- FILTRATION UPGRADES	

Bill To:
REYNOLDS CONSTRUCTION
10680 OVERSEAS HIGHWAY
MARATHON FL 33051

Sold To: **VPS Modifications Project**
REYNOLDS CONSTRUCTION
10680 OVERSEAS HIGHWAY
MARATHON FL 33051

Remit To:
TNEMEC COMPANY INC
PO BOX 843797
DALLAS TX 75284-3797

Ship To:
REYNOLDS CONSTRUCTION
REYNOLDS CONSTRUCTION, KLWTD VAC
STATIONS
100301 OVERSEAS HIGHWAY
KEY LARGO FL 33037 UNITED STATES

Please reference the invoice number above on your remittance.

ACH PAYMENTS ACCEPTED

Qty	Item	Description	Units	Billing UOM	Price	Extended Price
5	0N69-00WH-SK	HB EPOXOLINEII TNEMEC WHITE	1 GAL	10.0000 GL	92.92	929.20
5	1094P-46GR-SK	ENDURA SHIELD HI GLOSS SINKER	1 GAL	5.0000 GL	131.99	659.95
1	1094 21RD SK	ENDURA SHIELD HI GLOSS CRAWFOR	1.0000	GL	131.91	131.91
1	FRT - LTL - L1	FREIGHT - LTL - LEVEL1	1.0000	EA	135.00	135.00

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

RECEIVED
By *Freddie.Churbock* at 11:50 am, May 23, 2024

RC including invoice of similar date for the same owner and materials highlighted.

Since written quote could not be provided from the supplier in a timely manner, this invoice is for backup purposes only.

Based on prior notes and conversations with WEC, the \$135.00 freight charge is the standard shipping fee and will apply to the PCO as materials will have to be ordered once PCO is approved.

All claims for damages in transit or shortage must be filed with the carrier. Terms and conditions of sale are presented on the reverse side hereof. Any and all additional or different terms shall not become part of the contract between TnemeC and you. Your acceptance of the goods will be considered an acceptance and assent to the terms on the reverse side hereof.

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Renting to 100301 Overseas Highway, Key Largo, FL, USA 6/24/24 – 6/28/24 Delivery Edit

EQUIPMENT AND TOOLS / FORKLIFTS / MATERIAL HANDLING EQUIPMENT / MATERIAL LIFT 18'-23'


CAT CLASS: 0440085

Material Lift 18'-23'

ONLINE RATE ⓘ

\$77 4 HOURS \$110 1 DAY \$305 1 WEEK


1 ▾ Add to Cart



Overview

Your cart

Rentals

 Material Lift 18'-23'

1 ▾ Remove

\$305

Order summary

Taxes and fees will be calculated before rental confirmation.

Rental subtotal	\$305
Purchases subtotal	-
Round-trip delivery ⓘ	\$300
Rental protection plan ⓘ	-
Prepay Fuel Option ⓘ	-
Environmental Service Fee ⓘ	-
Other fees	\$57
Taxes	\$27.16

Estimated subtotal: \$689.16

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Renting to 100301 Overseas Highway, Key Largo, FL, USA 6/24/24 – 7/19/24 Delivery Edit

EQUIPMENT AND TOOLS / GENERAL CONSTRUCTION TOOLS / WELDING & PLASMA CUTTING EQUIPMENT / 500 AMP CC/CV DIESEL WELDER


CAT CLASS: 0270150

500 Amp Cc/Cv Diesel Welder

ONLINE RATE ⓘ


\$210 1 DAY \$490 1 WEEK \$1,100 4 WEEK

1 ▾ Add to Cart



Your cart

Rentals

 500 Amp Cc/Cv Diesel Welder

1 ▾ Remove

\$1,100

Order summary

Taxes and fees will be calculated before rental confirmation.

Rental subtotal	\$1,100
Purchases subtotal	-
Round-trip delivery ⓘ	\$575.90
Rental protection plan ⓘ	-
Prepay Fuel Option ⓘ	-
Environmental Service Fee ⓘ	-
Other fees	\$130.87
Taxes	\$92.32

Estimated subtotal: \$1,899.09

Checkout

📍 Renting to 100301 Overseas Highway, Key Largo, FL, USA

📅 6/24/24 – 6/28/24

🚚 Delivery

[Edit](#)

EQUIPMENT AND TOOLS / GENERAL CONSTRUCTION TOOLS / ELECTRIC TOOLS / 3/4" MAGNETIC DRILL ELECTRIC



CAT CLASS: 0040024

3/4" Magnetic Drill Electric

ONLINE RATE ⓘ

\$51

4 HOURS

\$77

1 DAY

\$215

1 WEEK

1

[Add to Cart](#)

Description	QTY	UOM	Unit Cost Labor	Total Labor	Unit Cost Material	Total Material	Unit Cost Subcontractor	Total Sub	Equipment Rate	Total Equipment	Totals
Station A - Odor Control Header Pipe											
Mobilization & Staging											
Foreman	5	MH	\$ 79.50	\$ 397.50							\$ 397.50
Laborer (x2)	10	MH	\$ 65.78	\$ 657.80							\$ 657.80
Shutdown Prep											
Foreman	8	MH	\$ 79.50	\$ 636.00							\$ 636.00
Laborer (x2)	16	MH	\$ 65.78	\$ 1,052.48							\$ 1,052.48
Chip & Repair Wall											
Foreman	10	MH	\$ 79.50	\$ 795.00							\$ 795.00
Laborer	10	MH	\$ 65.78	\$ 657.80							\$ 657.80
Demo & Install											
Superintendent	12	MH	\$ 133.00	\$ 1,596.00							\$ 1,596.00
Foreman (x2)	24	MH	\$ 79.50	\$ 1,908.00							\$ 1,908.00
Laborer (x2)	24	MH	\$ 65.78	\$ 1,578.72							\$ 1,578.72
Field Engineer	12	MH	\$ 92.75	\$ 1,113.00							\$ 1,113.00
Pipe Stand Modifications & Touch Up Paint											
Foreman	5	MH	\$ 79.50	\$ 397.50							\$ 397.50
Laborer	5	MH	\$ 65.78	\$ 328.90							\$ 328.90
Jobsite Cleanup Post Shutdown & Demob											
Foreman	8	MH	\$ 79.50	\$ 636.00							\$ 636.00
Laborer	8	MH	\$ 65.78	\$ 526.24							\$ 526.24
Station D - Odor Control Header Pipe											
Mobilization & Staging											
Foreman	5	MH	\$ 79.50	\$ 397.50							\$ 397.50
Laborer (x2)	10	MH	\$ 65.78	\$ 657.80							\$ 657.80
Shutdown Prep											
Foreman	8	MH	\$ 79.50	\$ 636.00							\$ 636.00
Laborer (x2)	16	MH	\$ 65.78	\$ 1,052.48							\$ 1,052.48
Demo & Install											
Superintendent	12	MH	\$ 133.00	\$ 1,596.00							\$ 1,596.00
Foreman (x2)	24	MH	\$ 79.50	\$ 1,908.00							\$ 1,908.00
Laborer (x2)	24	MH	\$ 65.78	\$ 1,578.72							\$ 1,578.72
Field Engineer	12	MH	\$ 92.75	\$ 1,113.00							\$ 1,113.00
Pipe Stand Modifications & Touch Up Paint											
Foreman	5	MH	\$ 79.50	\$ 397.50							\$ 397.50
Laborer	5	MH	\$ 65.78	\$ 328.90							\$ 328.90
Jobsite Cleanup Post Shutdown & Demob											
Foreman	8	MH	\$ 79.50	\$ 636.00							\$ 636.00
Laborer	8	MH	\$ 65.78	\$ 526.24							\$ 526.24
Station I - Odor Control Header Pipe											
Mobilization & Staging											
Foreman	5	MH	\$ 79.50	\$ 397.50							\$ 397.50
Laborer (x2)	10	MH	\$ 65.78	\$ 657.80							\$ 657.80
Shutdown Prep for Header Pipe											
Foreman	8	MH	\$ 79.50	\$ 636.00							\$ 636.00
Laborer (x2)	16	MH	\$ 65.78	\$ 1,052.48							\$ 1,052.48
Shutdown Prep for Exchanging DI Perimeter Pipe to PVC (Recommendation)											
Foreman	5	MH	\$ 79.50	\$ 397.50							\$ 397.50
Laborer (x2)	10	MH	\$ 65.78	\$ 657.80							\$ 657.80
Chip & Repair Wall											
Foreman	10	MH	\$ 79.50	\$ 795.00							\$ 795.00
Laborer	10	MH	\$ 65.78	\$ 657.80							\$ 657.80
Demo & Install											
Superintendent	12	MH	\$ 133.00	\$ 1,596.00							\$ 1,596.00
Foreman (x2)	24	MH	\$ 79.50	\$ 1,908.00							\$ 1,908.00
Laborer (x2)	24	MH	\$ 65.78	\$ 1,578.72							\$ 1,578.72
Field Engineer	12	MH	\$ 92.75	\$ 1,113.00							\$ 1,113.00
Pipe Stand Modifications & Touch Up Paint											
Foreman	13	MH	\$ 79.50	\$ 1,033.50							\$ 1,033.50
Laborer	13	MH	\$ 65.78	\$ 855.14							\$ 855.14
Demo & Install Perimeter Piping (Recommendation)											
Foreman (x2)	16	MH	\$ 79.50	\$ 1,272.00							\$ 1,272.00
Laborer (x2)	16	MH	\$ 65.78	\$ 1,052.48							\$ 1,052.48
Field Engineer	8	MH	\$ 92.75	\$ 742.00							\$ 742.00
Coating of Perimeter Pipe (Recommendation)											
Laborer (x2)	24	MH	\$ 65.78	\$ 1,578.72							\$ 1,578.72
Jobsite Cleanup Post Shutdown & Demob											
Foreman	8	MH	\$ 79.50	\$ 636.00							\$ 636.00
Laborer	8	MH	\$ 65.78	\$ 526.24							\$ 526.24
Material											
8" 304SS Weld Cap	3	EA		\$ 257.69	\$ 773.07						\$ 773.07
8" SCH10 304SS Pipe	100	FT		\$ 50.15	\$ 5,015.00						\$ 5,015.00
3"x5" 304SS Nipple	15	EA		\$ 33.17	\$ 497.55						\$ 497.55
3" 304SS Flange	15	EA		\$ 82.97	\$ 944.55						\$ 944.55
8" 304SS Weld 90	1	EA		\$ 150.19	\$ 150.19						\$ 150.19
8" 304SS Weld 45	1	EA		\$ 107.14	\$ 107.14						\$ 107.14
8" 304SS Flange	1	EA		\$ 254.53	\$ 254.53						\$ 254.53
8" SCH80 PVC Vanstone	2	EA		\$ 104.24	\$ 208.48						\$ 208.48
8" SCH80 PVC Pipe	60	FT		\$ 42.31	\$ 2,538.60						\$ 2,538.60
8" SCH80 PVC 45	2	EA		\$ 179.96	\$ 359.92						\$ 359.92
8" SCH80 PVC 90	1	EA		\$ 190.38	\$ 190.38						\$ 190.38
10"x8" SCH80 PVC Reducer	1	EA		\$ 1,004.29	\$ 1,004.29						\$ 1,004.29
10"x8" 304SS Reducer	2	EA		\$ 96.02	\$ 192.04						\$ 192.04
10" 304SS Flange	9	EA		\$ 383.63	\$ 3,452.67						\$ 3,452.67
10" 304SS Tee	2	EA		\$ 353.35	\$ 706.70						\$ 706.70
10" SCH80 PVC Vanstone	3	EA		\$ 334.69	\$ 1,004.07						\$ 1,004.07
10" BNG Kit - 316SS, Viton Gasket	9	EA		\$ 253.33	\$ 2,279.97						\$ 2,279.97
10" Mega Flange Adapter - 316SS Hardware	2	EA		\$ 869.65	\$ 1,739.30						\$ 1,739.30
-Freight	1	LS		\$ 250.00	\$ 250.00						\$ 250.00
Tnemec Coatings - N69	1	GAL		\$ 92.92	\$ 92.92						\$ 92.92
Tnemec Coatings - 1094	1	GAL		\$ 131.99	\$ 131.99						\$ 131.99
-Freight	1	LS		\$ 135.00	\$ 135.00						\$ 135.00
Equipment											
EZ Rig Crane	4	WK						\$ 305.00	\$ 1,220.00	\$ 1,220.00	\$ 1,220.00
- Delivery & Fees	1	LS						\$ 357.00	\$ 357.00	\$ 357.00	\$ 357.00
Welder	4	WK						\$ 1,100.00	\$ 1,100.00	\$ 1,100.00	\$ 1,100.00
- Delivery & Fees	1	LS						\$ 706.77	\$ 706.77	\$ 706.77	\$ 706.77
Mag Drill	1	WK						\$ 215.00	\$ 215.00	\$ 215.00	\$ 215.00
Subcontractor											
Tenacious Fabricating - Header Pipe	3	EA					\$ 3,200.00	\$ 9,600.00			\$ 9,600.00
TOTALS											
	546	MH	-	\$ 42,252.76	-	\$ 22,028.36	\$ 3,200.00	\$ 9,600.00	\$ 2,683.77	\$ 3,598.77	\$ 77,479.89



Reynolds Construction

300 East Broad St
Fairburn, GA 30213

CHANGE PROPOSAL

SUMMARY NO:

1

PROJECT NAME	KLWTD Vacuum Station Modifications	PROJ. NO.:	22309
LOCATION:	Key Largo, Florida	DATE:	5/28/2024 6/11/24 6.12.24
OWNER:	Key Largo Wastewater Treatment District (KLWTD)	DRAWING NO.:	
ENGINEER:	Weiler Engineering Corporation (WEC)	SPEC. SECTION:	

REFERENCE	PCO NO.: 002	FIELD DIRECTIVE NO.:	N/A	RFI NO.:	N/A	OTHER: WORK MEMO
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DESCRIPTION: **Emergency Trailer Modifications**

Inclusive of termination of all provided cabling at the trailer mounted control panel and wiring of outlets.
 KLWTD to provide in place complete conduit system, outlet boxes mounted including any structural modifications, supports, fittings, and appurtenances.
 Scope is as per Benson's scope of work as attached. No other work shall be assumed and any additions / subtractions to the scope shall be brought to the attention of KLWTD / WEC.
 Scope of work shall be per scope of work provided by WEC. ✓
 Reynolds/Benson is not responsible for any non-code compliant conditions found. Code and or compliance issues shall be brought to the attention of KLWTD / WEC.

PRICING INFORMATION

	SKILL/TRADE	MAN-HOURS	RATE	COST
1. DIRECT LABOR	See backup sheet for breakdown	8	\$ 133.00	\$ 1,064.00
1.A PRODUCT LABOR:				
1.B <input type="checkbox"/> FOREMAN <input type="checkbox"/> SUPERINTENDENT	Safety	0	\$ 88.24	\$ -
	QA/QC	0	\$ 86.28	\$ -
1.C OFFICE ENGINEERING:	Superintendent	0	\$ 133.00	\$ -
	Field Engineer	8	\$ 86.28	\$ 690.24
	Project Manager	0	\$ 133.00	\$ -
1.D BURDEN	Labor Burden (included in Rates)			\$ -
				\$ 1,754.24

	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	COST
2. MATERIALS AND EQUIPMENT					
2.A INCORPORATED IN WORK:	See Detail Break Down	1	LS	\$ -	\$ -
2.B CONSUMED IN PERFORMANCE:	Small Tools and Expendables (5% of field labor) - (STC pending task)				\$ 53.20
2.C EQUIPMENT:	See Backup Sheet	1	LS	\$ -	\$ -
	Fuel and Service 20% of Equip Cost	1	LS	\$ -	\$ -
2.D DIRECT COSTS:					\$ 53.20
2.E SALES TAX: 7.5%					\$ 53.20

	NAME	DESCRIPTION OF WORK	COST
3. SUBCONTRACTORS			
3.A DIRECT:	See Detail Sheet	Upgrade Electrical Service	\$ 8,472.36
3.B LOWER TIER:			\$ 8,472.36

Contract Time Extension Costs	Days Requested	Daily Rate	COST
Contractor Extension Costs	0	0	\$ -
Subcontractor Extension Costs	0	0	\$ -
*(daily rate is subject to change per actual OH items)			Total Time Extension Costs \$ -

EXTENSION OF CONTRACT TIME:	
N/A	This Proposal does not include any \$ for extension or acceleration but the right to ask for these costs at a later date is expressly reserved if determined to be necessary.
N/A	Extension cost is included in this proposal
N/A	Acceleration cost to maintain project schedule are included in this proposal. *

5. FEE STRUCTURE	Rate	COST	Overhead & Profit 15%	SUBTOTAL
A. Contractor				
1. Direct Labor:		\$ 1,754.24	15%	\$ 2,017.38
2. Material & Equipment:		\$ 53.20	15%	\$ 61.18
3. Subcontractors:		\$ 8,472.36	5%	\$ 8,895.98
4. Bond & Insurance:	1.95%	\$ 214.00	15%	\$ 246.10
TOTAL COST OF THIS CHANGE PROPOSAL (All deductions shown in parentheses):				TOTAL \$ 11,220.64

RECORD DOCUMENTS: As part of this Change Proposal, the Contractor shall provide applicable record drawing information affected by this change.

Signed: Amanda Haire
Title: Field Engineer
Contractor: Reynolds Construction, LLC

Date: 5/28/24 6/11/24

ACCEPTANCE BY OWNER

Signature of Owner's Authorized Representative: _____ Date: _____
Engineer to prepare necessary change order _____ Engineer to Re-negotiate change proposal as noted above _____ Other as above _____

OWNER: Key Largo Wastewater Treatment District	CONTRACTOR: Reynolds Construction	PROJECT: 22309
ENGINEER: Weiler Engineering Corporation	FIELD:	NO.: 01
	OTHER:	DATE:

Proposal: 1

Description: Emergency Trailer Modifications

Date: 5/28/24 6/11/24

Description	QTY	UOM	Unit Cost Labor	Total Labor	Unit Cost Material	Total Material	Unit Cost Subcontractor	Total Sub	Equipment Rate	Total Equipment	Totals
Labor:											
- Superintendent	8	HR	\$ 133.00	\$ 1,064.00							\$ 1,064.00
Material:											
- Not Applicable											\$ -
Equipment:											
- Not Applicable											\$ -
Subcontractor:											
- Benson Electric (see back up)	1	LS					\$ 8,472.36	\$ 8,472.36			\$ 8,472.36
TOTALS	8	MH		\$ 1,064.00		\$ -		\$ 8,472.36		\$ -	\$ 9,536.36

Benson Electric, Inc

Change Order #3 Rev

Benson Electric, Inc.
10475 SW 186th Street
Miami, Florida 33157
(305) 235-6741 Fax (305) 235-4690

Change Order submitted to:
 Reynolds Construction, LLC
 300 East Broad Street
 Fairburn, GA 30213
 Tel: (317) 832-5987

Project Name:
 KLWTD VAC Station Improvements
 Change Date: June 10, 2024

Change Specification:

Net cost lump sum add for modifications to Owner furnished emergency VAC trailer to include the following:

Installation of the following conductors in Owner provided conduits between the existing trailer mounted control panel and receptacles furnished and installed by Owner.

Cable type 1 (Plug 1) – Power Cable

3 – 500 MCM Cu, 1 – 1/0 Cu N & 1 - #2 Cu Grd

Cable type 2 (Plug 2) – Sewage Pump Cable based on 3 pumps
 (Worst Case Station E)

3 sets (3 #2 Cu & 1 #6 Cu Grd)

Cable type 3 (Plug 3) – Compressor Power

3 #12 Cu

Cable type 4 (Plug 4) – Digital I/O

24 #14 Cu

Cable type 5 (Plug 5) – Analog I/O

4 – Twisted Shielded Pair 16 Ga

Pricing includes termination of all provided cabling at the trailer mounted control panel and wiring of outlets.

Owner to provide in place complete conduit system, outlet boxes mounted including any required structural modifications, supports, fittings, and appurtenances.

Benson is not responsible for any non code compliant conditions found.

✓ We propose to furnish materials and labor in accordance with the specification above for the sum of **\$8,472.36** Payment in accordance with existing Subcontract provisions. Proposal may be withdrawn if not accepted within 30 days.

All materials are guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from the above specification involving extra costs will be executed only upon the issuance of written change orders, and will become an extra charge over and above the estimate. All agreements are contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman’s Compensation Insurance

Authorized Signature

Brian J. Platts

Benson Electric, Inc.

Acceptance Signature

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are hereby authorized to proceed with the work as described. Payment shall be as specified.

Benson Electric, Inc.

Change Order #3 Rev

KLWTD Vac Stations - Trailer Modifications
Totals - C/O Summary

Contract Number 22309-501
BEI Job Number 2305

Material Totals

<u>Division</u>	<u>Total</u>
Add	\$2,679.56
Total	\$2,679.56
Sales Tax (7.00%)	<u>\$187.57</u>
Total Material	\$2,867.13

Labor Hours

<u>Division</u>	<u>Total</u>
Add	57.81
Total	57.81

Labor Rates

<u>Category</u>	<u>% of Total</u>	<u>Hours</u>	<u>Base Rate</u>	<u>Burden \$</u>	<u>Burden %</u>	<u>Extended</u>
Wireman	75.000	43.358	\$54.43	32.11	59.000	\$3,752.20
Apprentice	25.000	14.453	32.55	19.20	59.000	747.94
Total	100.000	34.110	x \$77.84 (average of labor rate w/burden) =			\$4,500.14

Total Materials	\$2,867.13
Total Labor (57.81 hours)	\$4,500.14
Job Subtotal (Prime Cost)	\$7,367.27
Subcontractor's Fee (15.00%)	\$1,105.09
C/O Total	\$8,472.36



Benson Electric, Inc.

Change Order #3

KLWTD Vac Stations - Trailer Modifications

Item #	Description	Breakdown		Price U	Ext Price	Labor Hr U	Ext Lab Hr
		Quantity					
--- Add ---							
2789	#14 THHN CU Stranded Wire	500		195.19 M	97.60	6.00 M	3.00
2790	#12 THHN CU Stranded Wire	60		299.05 M	17.94	7.20 M	0.43
2793	#6 THHN CU Stranded Wire	60		1,259.81 M	75.59	9.00 M	0.54
2796	#2 THHN CU Stranded Wire	200		3,043.62 M	608.72	14.00 M	2.80
2798	#1/0 THHN CU Stranded Wire	20		4,152.14 M	83.04	21.00 M	0.42
2806	#500MCM THHN CU Stranded Wire	60		18,843.07 M	1,130.58	52.00 M	3.12
4367	#14-12-10 Wire Termination Labor	72		1.15 E	82.80	0.20 E	14.40
4368	#8-6 Wire Termination Labor	2		2.50 E	5.00	0.15 E	0.30
4370	#2-2/0 Wire Termination Labor	20		9.66 E	193.20	0.30 E	6.00
4375	#500 Wire Termination Labor	6		7.50 E	45.00	0.50 E	3.00
13734	16 SHPR	100		540.00 M	54.00	5.00 M	0.50
14534	Polywater Lube	1		18.00 E	18.00	0.50 E	0.50
1235855	Consumables unit	2		10.00 E	20.00	0.75 E	1.50
1243457	1/4" 316 SS Fender Wsher	100		16.19 C	16.19	0.03 E	3.00
16546759	500 MCM HW Heat Shrink	3		37.50 E	112.50	0.45 E	1.35
16546760	1/0 HW Heat Shrink	1		14.25 E	14.25	0.30 E	0.30
16546761	#2 HW Heat Shrink	10		9.79 E	97.90	0.22 E	2.20
16546762	#6 HW Heat Shrink	1		7.25 E	7.25	0.20 E	0.20
T0002	Terminate 400A Plug	1		0.00 E	0.00	3.00 E	3.00
T0003	Terminate 150A Plug	3		0.00 E	0.00	1.50 E	4.50
T0004	Terminate 20A Plug	1		0.00 E	0.00	0.75 E	0.75
T0005	Terminate 24 Pin Control Plug	1		0.00 E	0.00	4.00 E	4.00
T0006	Terminate 4 Pr Signal Plug	1		0.00 E	0.00	2.00 E	2.00
--- Add Total ---					2,679.56		57.81
Job Total					2,679.56		57.81



Key Largo Wastewater Treatment District (KLWTD)
Mr. Ryan Dempsey
103355 Overseas Hwy
Key Largo, FL 33037

April 11, 2024

RE: KLWTD Vacuum Stations Modifications – Station E
Alternate Influent Valves

Mr. Dempsey:

Upon further investigation at Vacuum Station E, it was found that the previously purchased valves are not oriented as desired and may not function as desired. Due to the uniqueness of this station, and the collar height of the valves being different dimensions, Reynolds proposes the following for purchasing the alternate valves for Station E.

- The valves previously purchased by KLWTD totaled \$9,828.00. These are the valves that may not work as desired.
 - o To return these valves, there is a restock fee of 25% with an unknown freight cost.
- The cost delta is \$7,371.00.
- The alternate valves purchase price is \$12,732.00 (including freight).

Reynolds proposes the following:

- The KLWTD purchases the new valves direct as consistent with the existing valve order.
- Reynolds, through a deductive change order, will incur the costs of restocking the original valves (\$2,457.00) and the difference to purchase the alternate valves (\$2,904.00).
- KLWTD's previously committed cost of \$9,828.00 would be applied to the new valve purchase.
- The complete cost of \$5,361.00 would be a deductive change order to the original contract amount.

Please let us know if this proposal is acceptable and consistent with the spirit of our prior direct purchase agreement and a reasonable solution for the KLWTD.

Respectfully Provided:

Reynolds Construction, LLC



Joshua R. Vondersaar



June 25th, 2024

Weiler Engineering Corporation
6805 Overseas Highway
Marathon, Florida 33050
Attn: Stephen Suggs, P.E.
Via Email: ssuggs@weilerengineering.org

Ref: Key Largo Wastewater Treatment District Vacuum Stations Modifications Project

Subj: Time Extension Request

Dear Mr. Suggs,

As discussed in the transmittal of the 'Stainless Steel Header Pipe Upgrades PCO', Reynolds would like to request a time extension of 175 days based on the anticipated material procurement, lead times, fabrication times, and installation. Reynolds Construction shall notify Weiler Engineering immediately should the anticipated lead time(s) change.

Your cooperation in granting this time extension request will be appreciated.

Sincerely,

Amanda Haire

A handwritten signature in cursive script that reads 'Amanda Haire'.

Reynolds Construction, LLC