#### **CHANGE ORDER NO.: 2**

Owner: City of Greenfield Owner's Project No.:

Engineer: Commonwealth Engineers, Inc. Engineer's Project No.: S20046

Contractor: F.A. Wilhelm Construction Contractor's Project No.:

Project: Wastewater Treatment Plant Improvements Project Contract Name: Wastewater Treatment Plant Improvements Project

Date Issued: 07/19/2023 Effective Date of Change Order: 07/19/2023

The Contract is modified as follows upon execution of this Change Order:

Description: See attached for summary table and supporting documentation of all costs included.

Attachments: Contractor Quotes Summary, CE-003 Item 2, CE-003 Item 3.4, CE-008, CE-009, CE-007, CE-011, CE-012, CE-015, CE-020, CE-028, CE-032, CE-031, CE-030, CE-004, CE-010, CE-034, CE-027, CE-024, CE-042, CE-044, CE-023, CE-043, CE-026, CE-014, CE-040

#### **Change in Contract Price**

#### **Change in Contract Times**

Change in Contract i nec	change in contract times
Original Contract Price:	Original Contract Times: Calendar Days Substantial Completion: 730
\$ 70,035,000.00	Ready for final payment: 60
[Increase] [Decrease] from previously approved Change Orders:  \$ 48,470.00	[Increase] [Decrease] from previously approved Change Orders: Substantial Completion: Ready for final payment:  0
Contract Price prior to this Change Order: \$ 69,986,530.00	Contract Times prior to this Change Order:  Substantial Completion: 730  Ready for final payment: 60
[Increase] [Decrease] this Change Order:	[Increase] [Decrease] this Change Order:
\$348,035.00	Substantial Completion: 0  Ready for final payment: 0
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders: Substantial Completion: 730
\$ 69,638,495.00	Ready for final payment: 60

	Recommended by Engineer (if required)	Agcepted by Contractor
Ву:	Maylin Pitry	By: Sary Kennon
Title:	E.(.	Title: Project Manager
Date:	07/19/2023	Date: 7-20-23
	Authorized by Owner	Approved by Funding Agency (if applicable)
Ву:		Ву:
Title:		Title:
Date:		Date:

## CITY OF GREENFIELD WASTEWATER TREATMENT PLANT IMPROVEMENTS PROJECT

### **Change Order #2: Contract Cost Changes**

CE#	Item	Cost
003	Item 2 DI pipe interior coating	-\$434,500.00
003	Item 3.4 FINAL WCD 1 change	-\$80,200.00
008	RFI #23 Aluminum Conduit and Fittings	-\$153,700.00
009	RFI #22 Aluminum Conduit Support System	-\$5,970.00
007	WCD #9 Bellow Joints	\$9,500.00
011	NPW Shutoff Valves	\$12,180.00
012	Decanter NPW Connection	\$2,586.00
015	SBR Base Mat Pour #5 Add Air to Mix Design	\$3,586.00
020	Sludge Bldg - Plug Valve Actuation	-\$29,476.00
028	Feeding Power - Unit Heaters to the Blowers	-\$3,150.00
032	Elimination of Storm Line	-\$20,097.00
031	Added Masonry Accent Band	\$4,502.00
030	Added Privacy Fence	\$15,408.00
004	ATS E-Stop Change	\$69,100.00
010	Future IT Conduits	\$150,876.00
034	Added Exhaust Fan	\$4,762.00
027	SBR Influent Pipe Supports Change - Beams	\$11,397.00
024	Pump Station Wall Rebar Changes	\$5,961.00
042	Admin Building Aluminum Windows	\$27,322.00
044	SBR Baffle Box Drains	\$3,335.00
023	SBR Pipe Gallery Sump Pits	\$14,845.00
043	Headworks and Sludge Bldg Plumbing	\$4,989.00
026	Septage Receiving Facility Foundation	\$7,422.00
014	Access Road Light Poles Location Change	\$15,480.00
040	UV Upper Slab Changes	\$15,807.00
	TOTAL	-\$348,035.00



#### Wastewater Treatment Plant Improvements Project Greenfield, IN

	Description	Quantity	Unit	\$/Unit	Amount
:	DI Pipe Interior Coating - Change to cement lined from Protecto 401				
1	OO Credit for Protecto 401 Lined DI Pipe	-1	LS	\$7,134,800.00	-\$7,134,800
2	OO Cost for Cement Lined DI Pipe	1	LS	\$6,700,300.00	\$6,700,300
					\$0
					\$0
	SUBTOTAL				-\$434,500



# Wastewater Treatment Plant Improvements Project Greenfield, IN Revised Per Comments from Matt Green on 1/13/2023

	Description	Quantity	Unit	\$/Unit	Amount	Notes
	WCD #1 - SBR Changes					
101	Delete Foundation, Walls, and Deck	_1	LS	\$50,000.00	(\$50,000)	
	Delete Masonry for Both Buildings		LS	\$53,000.00		
102	Delete Interior Stairs (Two Total)		LS	\$28,000.00		
			LS			
	Delete Rough Carpentry		_	\$21,200.00		
	Delete Roofing		LS	\$46,700.00		
	Delete Plumbing/Floor Drains		LS	\$8,200.00		
	Delete HVAC		LS	\$5,900.00		
	Delete Electrical		LS	\$21,900.00		
	Remove Three Single Doors		ea	\$1,700.00		
	Remove Double Door		LS	\$2,200.00		
111	Remove Two Coiling OH Doors	-2	ea	\$5,700.00	(\$11,400)	
	David Crane Base on Top Deck - Both Ends (Not Shown on WCD Drawings,					
112	but suggested to removed materials from elevated deck).	2	ea	\$950.00	\$1.900	Revise to two bases.
	Add Pipe Support Beams		ea	\$7,100.00		Deleted per MG 1/13/2023.
				, ,	,	Increased to 5 for future use
114	Add Pairs of Beam Embeds for Future Beams	5	ea	\$900.00	\$4,500	MG 1/13/2023.
				,	, ,	- , -, -
	Add Pipe Saddles		ea	\$7,700.00		Deleted per MG 1/13/2023.
115	Add Two Roof Hatches	0	ea	\$10,100.00	\$0	Deleted per MG 1/13/2023.
116	Added 42" Exposed Piping Spool Beyond 42" BV	0	LS	\$35,300.00	\$0	Deleted per MG 1/13/2023.
						Added tee with a blind flange
	Modification of 42" Exposed Piping - Effluent		LS	\$93,900.00		only (no valve).
118	Delete 42" Buried Piping	-1	LS	\$302,100.00	(\$302,100)	
						Added 24" stubbed to just be
						grade and termiante with a b
119	Add 42" Buried Piping with 24" stub to grade with blind flange (no valve).		LS	\$333,300.00	\$333,300	flange (no valve).
	Remove Mag Meter Vault		LS	\$54,900.00		
121	Add Larger Mag Meter Vault	1	LS	\$62,100.00	\$62,100	
122	Remove Mag Meter Hatch - 60"x72"	-1	LS	\$3,400.00	(\$3,400)	
	Add Mag Meter Hatch - 96"x72"	1	LS	\$7,400.00		
				. ,		Revised for 42" Stub, Valve, a
124	Added Coatings for 24"/42" Piping	1	LS	\$6,000.00	\$6,000	both tees.
125	Add 24" Plug Valve - Exposed	0	ea	\$27,400.00	\$0	Blind flange only at tee.
	Add 24" Plug Valve - Buried	0	ea	\$29,400.00	\$0	Blind flange only at tee.
	Add 42" Butterfly Valve - Exposed	1	ea	\$32,200.00	\$32,200	<u> </u>
	Add WAS Sump to Sludge Storage					
200	Concrete	11	cys	\$700.00	\$7,700	
	Reinforcing		tons	\$2,900.00	. ,	
201	nemoremb	- 4	toris	J2,500.00	711,000	
	Relocation of WAS Sumps in SBR					
300	Reduction in 4" WAS Piping	1	ls	\$26,500.00	(\$26,500)	
	Coatings		If	\$4,000.00		
	Electrical - with SBR Structures		LS	w/ Item 108	(\$4,000) N/A	
302	LIECUTICAL - WILLI JON OLLUCIOLES	1	LJ	w/ iteiii 108	IN/A	
	Damana Chadan Mikhalan 100 at a					
	Remove Sludge Withdrawl Structure			400	14	
	Delete Foundation, Walls, and Deck		LS	\$28,000.00		
	Delete Gates		ea	\$9,000.00		
	Heat Trace		ls	\$16,700.00		
400	Insulation		ls	\$23,000.00		
	Valve/Piping Changes	1	ls	\$19,000.00	\$19,000 \$0	

1/13/2023 1:55 PM Page 1 of 1



#### 12/2/2022

FA Wilhelm 3914 Prospect St Indianapolis, Indiana 46203

Attn: Gary Keymon

Re: Greenfield WWTP: RFI #23 - Aluminum Conduit & Fittings

Industrial Electric, Inc. thanks you for the opportunity to quote the electrical work on the above referenced project. Our quotation is based on RFI #023's question & response.

We have included the following:

- Credit For Furnishing & Installing GRC/PVC Coated Raceways & Associated Fittings In Building #1 Pump Station, Building #3 Headworks, Building #5 SBR Area, Building #6 UV, & Building #9 Sludge Dewatering
- Furnish & Install Aluminum Raceways & Associated Fittings In Building #1 Pump Station, Building #3 Headworks, Building #5 SBR Area, Building #6 UV, & Building #9 Sludge Dewatering
- 5 Day 8 Hour Per Day Work Week

We have **NOT** included the following:

- IN State Sales Tax
- Overtime / Premium Time

#### RFI #23 - Aluminum Conduit & Fittings Total

(-\$153,700.00)

Should you have any questions please feel free to contact us at 317-713-7300.

Sincerely,

#### **Dustin Simpson** | Project Manager

#### Industrial Electric, Inc.

1445 Brookville Way, Ste. Q | Indianapolis, IN 46239

Phone: 317.713.7300 | EXT.7904

E-mail: <u>dustinsimpson@industelectric.com</u>

www.industelectric.com File: 2228-190009



#### **INDUSTRIAL ELECTRIC CHANGE ORDER SUMMARY**

	DJECT NAME:	Gree		C.O.#:	190009
rico	JULOT NO.	GENERAL CONTRACTOR:		DATE:	23-Jan-23
		DESCRIPTION OF CHANGE:	See Scope Letter		
			RFI #23 - Aluminum Conduit & Fittings		
	IEI Direct Costs		Worker Head		
Α	Labor	-204.65 0.00	Field Labor Project Manager	l	-\$14,090.48
	Total Hours -	0.00 0.00	, ,		
В	DESCRIPTION OF CHANGE   See Scope Latter   RF1#23 - Aluminum Conduit & Fittings				
		Description	Cost		
С	Quotes				\$0.00
D	Sales Tax		1		\$0.00
Ε	Equipment	Equipment Type	\$0.00	l	\$0.00
F	Equipment Tax			İ	\$0.00
G	Subtotal of Addi	tive Cost			-\$153,700.07
	Deductive Cos				
Н	Labor	Hours	\$0.00		\$0.00
	Total Hours -	0.00	\$0.00		
I	Material	See Break Out On Next Sheet			\$0.00
J	Equipment	CET NO.   220   DATE   23-Jan-23			
K	Subtotal of Deducti	ve Cost			\$0.00
L	Total Direct Cos	st (E+I)		_	-\$153,700.07
М	General Mark-u	0	Labor         0%         0'           Material         0%         0'	%	\$0.00
N	Total Direct Co	sts + Mark-up (Line L + M)			-\$153,700.07
			Description		
0	Total Subcontra	ctor Direct Costs	Description Cost		\$0.00
Р	Mark-up on Sub	contractor Direct Costs		%	\$0.00
Q	Total Direct Co	sts + Mark-up (Line O + P)			\$0.00
R	Total Change F	Request (Line N + Q)			-\$153,700 07
			uipment cost for each trade.		,,
	To the best of my	knowledge and belief, I certify that a	all costs listed above are correct.		
	Dustin Simpson		1/23/202	3	

Item Name	Quantity	Base Bid Unit Price 6/24/22	Total Base Bid Extended Price 6/24/21	Updated Unit Price 11/3/22	Total Updated Extended Price 11/3/22
		Building #1 - F		ļ	11,5,22
1 ALUM CONDUIT	4,000.00	\$2.87	\$11,480.00	\$3.92	\$15,680.00
1 AL LB BODY	16.00	\$18.41	\$294.62	\$22.65	\$362.40
1 AL T BODY	25.00	\$21.28	\$531.90	\$25.90	\$647.50
1 AL FLAT COVER	41.00	\$5.01	\$205.41	\$6.51	\$266.91
1 AL GASKET	41.00	\$3.83	\$157.19	\$4.97	\$203.77
1 GRC 1H MAL STP	500.00	\$2.60	\$1,299.99	\$3.79	\$1,895.00
1 GRC CLAMP BACK	500.00	\$6.56	\$3,279.63	\$7.95	\$3,975.00
1 GRC/PVC COATED	-4,000.00	\$7.71	-\$30,840.00	\$8.34	-\$33,360.00
1 GRC/PVC LB BODY	-16.00	\$83.67	-\$1,338.72	\$106.09	-\$1,697.44
1 GRC/PVC T BODY	-25.00	\$128.37	-\$3,209.25	\$138.89	-\$3,472.25
1 GRC/PVC 1H STRAP	-500.00	\$13.52	-\$6,760.00	\$17.72	-\$8,860.00
1 GRC/PVC CLAMP BACK	-500.00	\$25.86	-\$12,930.00	\$31.45	-\$15,725.00
		Building #3 -			
3/4 ALUM CONDUIT	160.00	\$1.64	\$262.79	\$2.84	\$454.40
1 ALUM CONDUIT	2,000.00	\$2.87	\$5,740.00	\$3.92	\$7,840.00
2 ALUM CONDUIT	320.00	\$5.14	\$1,645.88	\$6.26	\$2,003.20
1 AL LB BODY	8.00	\$18.41	\$147.31	\$22.65	\$181.20
2 AL LB BODY	1.00	\$58.87	\$58.87	\$62.95	\$62.95
1 AL T BODY	12.00	\$21.28	\$255.31	\$25.90	\$310.80
1 AL FLAT COVER	20.00	\$5.01	\$100.20	\$6.51	\$130.20
2 AL FLAT COVER	1.00	\$10.45	\$10.45	\$11.19	\$11.19
1 AL GASKET	20.00	\$3.83	\$76.68	\$4.97	\$99.40
2 AL GASKET	1.00	\$5.68	\$5.68	\$6.32	\$6.32
3/4 GRC 1H MAL STP	20.00	\$1.78	\$35.61	\$2.63	\$52.60
1 GRC 1H MAL STP	250.00	\$2.60	\$650.00	\$3.79	\$947.50
2 GRC 1H MAL STP	40.00	\$8.01	\$320.47	\$9.49	\$379.60
3/4 GRC CLAMP BACK	20.00	\$3.74	\$74.85	\$4.95	\$99.00
1 GRC CLAMP BACK	250.00	\$6.56	\$1,639.82	\$7.95	\$1,987.50
2 GRC CLAMP BACK	40.00	\$42.43	\$1,697.17	\$43.75	\$1,750.00
3/4 GRC/PVC COATED	-160.00	\$5.96	-\$953.60	\$6.90	-\$1,104.00
1 GRC/PVC COATED	-2,000.00	\$7.71	-\$15,420.00	\$8.34	-\$16,680.00
2 GRC/PVC COATED	-320.00	\$15.49	-\$4,956.80	\$16.95	-\$5,424.00
1 GRC/PVC LB BODY	-8.00	\$83.67	-\$669.36	\$106.09	-\$848.72
2 GRC/PVC LB BODY	-1.00	\$218.71	-\$218.71	\$278.63	-\$278.63
1 GRC/PVC T BODY	-12.00	\$128.37	-\$1,540.44	\$138.89	-\$1,666.68
3/4 GRC/PVC 1H STRAP	-20.00	\$13.11	-\$262.20	\$16.70	-\$334.00
1 GRC/PVC 1H STRAP	-250.00	\$13.52	-\$3,380.00	\$17.72	-\$4,430.00
2 GRC/PVC 1H STRAP	-40.00	\$30.34	-\$1,213.60	\$38.35	-\$1,534.00
3/4 GRC/PVC CLAMP BACK	-20.00	\$19.84	-\$396.80	\$25.28	-\$505.60
1 GRC/PVC CLAMP BACK	-250.00	\$25.86	-\$6,465.00	\$31.45	-\$7,862.50
2 GRC/PVC CLAMP BACK	-40.00	\$66.70	-\$2,668.00	\$83.97	-\$3,358.80

Item Name	Quantity	Base Bid Unit Price 6/24/22	Total Base Bid Extended Price 6/24/21	Updated Unit Price 11/3/22	Total Updated Extended Price 11/3/22
		Building #		ļļ.	, ,
1 ALUM CONDUIT	2,110.00	\$2.87	\$6,055.70	\$3.92	\$8,271.20
2 ALUM CONDUIT	990.00	\$5.14	\$5,091.95	\$6.26	\$6,197.40
4 ALUM CONDUIT	120.00	\$15.17	\$1,820.50	\$16.82	\$2,018.40
1 AL LB BODY	8.00	\$18.41	\$147.31	\$22.65	\$181.20
2 AL LB BODY	3.00	\$58.87	\$176.62	\$62.95	\$188.85
1 AL T BODY	13.00	\$21.28	\$276.59	\$25.90	\$336.70
1 AL FLAT COVER	21.00	\$5.01	\$105.21	\$6.51	\$136.71
2 AL FLAT COVER	3.00	\$10.45	\$31.34	\$11.19	\$33.57
1 AL GASKET	21.00	\$3.83	\$80.51	\$4.97	\$104.37
2 AL GASKET	3.00	\$5.68	\$17.05	\$6.32	\$18.96
1 GRC 1H MAL STP	263.00	\$2.60	\$683.79	\$3.79	\$996.77
2 GRC 1H MAL STP	123.00	\$8.01	\$985.44	\$9.49	\$1,167.27
4 GRC 1H MAL STP	15.00	\$37.48	\$562.20	\$40.36	\$605.40
1 GRC CLAMP BACK	263.00	\$6.56	\$1,725.09	\$7.95	\$2,090.85
2 GRC CLAMP BACK	123.00	\$42.43	\$5,218.81	\$43.75	\$5,381.25
4 GRC CLAMP BACK	15.00	\$178.66	\$2,679.83	\$179.16	\$2,687.40
1 GRC/PVC COATED	-2,110.00	\$7.71	-\$16,268.10	\$8.34	-\$17,597.40
2 GRC/PVC COATED	-990.00	\$15.49	-\$15,335.10	\$16.95	-\$16,780.50
4 GRC/PVC COATED	-120.00	\$42.67	-\$5,120.40	\$49.44	-\$5,932.80
1 GRC/PVC LB BODY	-8.00	\$83.67	-\$669.36	\$106.09	-\$848.72
2 GRC/PVC LB BODY	-3.00	\$218.71	-\$656.13	\$278.63	-\$835.89
1 GRC/PVC T BODY	-13.00	\$128.37	-\$1,668.81	\$138.89	-\$1,805.57
1 GRC/PVC 1H STRAP	-263.00	\$13.52	-\$3,555.76	\$17.72	-\$4,660.36
2 GRC/PVC 1H STRAP	-123.00	\$30.34	-\$3,731.82	\$38.35	-\$4,717.05
4 GRC/PVC 1H STRAP	-15.00	\$104.74	-\$1,571.10	\$133.44	-\$2,001.60
1 GRC/PVC CLAMP BACK	-263.00	\$25.86	-\$6,801.18	\$31.45	-\$8,271.35
2 GRC/PVC CLAMP BACK	-123.00	\$66.70	-\$8,204.10	\$83.97	-\$10,328.31
4 GRC/PVC CLAMP BACK	-15.00	\$300.00	-\$4,500.00	\$376.93	-\$5,653.95
		Building	#6 - UV		
1 ALUM CONDUIT	1,500.00	\$2.87	\$4,305.00	\$3.92	\$5,880.00
1 AL LB BODY	6.00	\$18.41	\$110.48	\$22.65	\$135.90
1 AL T BODY	9.00	\$21.28	\$191.48	\$25.90	\$233.10
1 AL FLAT COVER	15.00	\$5.01	\$75.15	\$6.51	\$97.65
1 AL GASKET	15.00	\$3.83	\$57.51	\$4.97	\$74.55
1 GRC 1H MAL STP	187.00	\$2.60	\$486.20	\$3.79	\$708.73
1 GRC CLAMP BACK	187.00	\$6.56	\$1,226.58	\$7.95	\$1,486.65
1 GRC/PVC COATED	-1,500.00	\$7.71	-\$11,565.00	\$8.34	-\$12,510.00
1 GRC/PVC LB BODY	-6.00	\$83.67	-\$502.02	\$106.09	-\$636.54
1 GRC/PVC T BODY	-9.00	\$128.37	-\$1,155.33	\$138.89	-\$1,250.01
1 GRC/PVC 1H STRAP	-187.00	\$13.52	-\$2,528.24	\$17.72	-\$3,313.64
1 GRC/PVC CLAMP BACK	-187.00	\$25.86	-\$4,835.82	\$31.45	-\$5,881.15

Item Name	Quantity	Base Bid Unit Price 6/24/22	Total Base Bid Extended Price 6/24/21	Updated Unit Price 11/3/22	Total Updated Extended Price 11/3/22
	В		dge Dewatering		
1 ALUM CONDUIT	1,390.00	\$2.87	\$3,989.30	\$3.92	\$5,448.80
1 1/2 ALUM CONDUIT	60.00	\$4.15	\$249.26	\$5.43	\$325.80
2 ALUM CONDUIT	240.00	\$5.14	\$1,234.41	\$6.26	\$1,502.40
3 ALUM CONDUIT	60.00	\$10.68	\$640.55	\$11.38	\$682.80
1 AL LB BODY	5.00	\$18.41	\$92.07	\$22.65	\$113.25
2 AL LB BODY	1.00	\$58.87	\$58.87	\$62.95	\$62.95
1 AL T BODY	8.00	\$21.28	\$170.21	\$25.90	\$207.20
1 AL FLAT COVER	13.00	\$5.01	\$65.13	\$6.51	\$84.63
2 AL FLAT COVER	1.00	\$10.45	\$10.45	\$11.19	\$11.19
1 AL GASKET	13.00	\$3.83	\$49.84	\$4.97	\$64.61
2 AL GASKET	1.00	\$5.68	\$5.68	\$6.32	\$6.32
1 GRC 1H MAL STP	173.00	\$2.60	\$449.80	\$3.79	\$655.67
1 1/2 GRC 1H MAL STP	7.00	\$6.91	\$48.37	\$7.79	\$54.53
2 GRC 1H MAL STP	30.00	\$8.01	\$240.35	\$9.49	\$284.70
3 GRC 1H MAL STP	7.00	\$30.30	\$212.10	\$31.65	\$221.55
1 GRC CLAMP BACK	173.00	\$6.56	\$1,134.75	\$7.95	\$1,375.35
1 1/2 GRC CLAMP BACK	7.00	\$13.13	\$91.90	\$14.39	\$100.73
2 GRC CLAMP BACK	30.00	\$42.43	\$1,272.88	\$43.75	\$1,312.50
3 GRC CLAMP BACK	7.00	\$60.81	\$425.65	\$61.25	\$428.75
1 GRC/PVC COATED	-1,390.00	\$7.71	-\$10,716.90	\$8.34	-\$11,592.60
1 1/2 GRC/PVC COATED	-60.00	\$11.87	-\$712.20	\$13.76	-\$825.60
2 GRC/PVC COATED	-240.00	\$15.49	-\$3,717.60	\$16.95	-\$4,068.00
3 GRC/PVC COATED	-60.00	\$29.61	-\$1,776.60	\$34.31	-\$2,058.60
1 GRC/PVC LB BODY	-5.00	\$83.67	-\$418.35	\$106.09	-\$530.45
2 GRC/PVC LB BODY	-1.00	\$218.71	-\$218.71	\$278.63	-\$278.63
1 GRC/PVC T BODY	-8.00	\$128.37	-\$1,026.96	\$138.89	-\$1,111.12
1 GRC/PVC 1H STRAP	-173.00	\$13.52	-\$2,338.96	\$17.72	-\$3,065.56
1 1/2 GRC/PVC 1H STRAP	-7.00	\$27.87	-\$195.09	\$30.12	-\$210.84
2 GRC/PVC 1H STRAP	-30.00	\$30.34	-\$910.20	\$38.35	-\$1,150.50
3 GRC/PVC 1H STRAP	-7.00	\$55.09	-\$385.63	\$70.18	-\$491.26
1 GRC/PVC CLAMP BACK	-173.00	\$25.86	-\$4,473.78	\$31.45	-\$5,440.85
1 1/2 GRC/PVC CLAMP BACK	-7.00	\$42.39	-\$296.73	\$54.01	-\$378.07
2 GRC/PVC CLAMP BACK	-30.00	\$66.70	-\$2,001.00	\$83.97	-\$2,519.10
3 GRC/PVC CLAMP BACK	-7.00	\$150.27	-\$1,051.89	\$191.44	-\$1,340.08
			-\$139,609.59	J L	-\$153,904.67



#### 12/2/2022

FA Wilhelm 3914 Prospect St Indianapolis, Indiana 46203

Attn: Gary Keymon

Re: Greenfield WWTP: RFI #22 - Aluminum Conduit Support System

Industrial Electric, Inc. thanks you for the opportunity to quote the electrical work on the above referenced project. Our quotation is based on RFI #022's question & response.

We have included the following:

- Credit For Furnishing Stainless Steel Unistrut In Building #1 Pump Station, Building #3 Headworks,
   Building #5 SBR Area, Building #6 UV, & Building #9 Sludge Dewatering
- Furnish Aluminum Unistrut In Building #1 Pump Station, Building #3 Headworks, Building #5 SBR Area, Building #6 UV, & Building #9 Sludge Dewatering
- 5 Day 8 Hour Per Day Work Week

We have **NOT** included the following:

- IN State Sales Tax
- Overtime / Premium Time

#### RFI #22 - Aluminum Conduit Support System Total

(-\$5,970.00)

Should you have any questions please feel free to contact us at 317-713-7300.

Sincerely,

#### **Dustin Simpson** | Project Manager

#### Industrial Electric, Inc.

1445 Brookville Way, Ste. Q | Indianapolis, IN 46239

Phone: 317.713.7300 | EXT.7904

E-mail: <u>dustinsimpson@industelectric.com</u>

www.industelectric.com File: 2228-190013

Item Name	Quantity	\$/FT	Total
1-5/8" Aluminum Unistrut	1,000.00	\$5.07	\$5,070.00
1-5/8" Stainless Steel Unistrut	-1,000.00	\$11.04	-\$11,040.00
			-\$5,970.00



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 4/24/2024

FAW Change Estimate No.: CE-007 Rev1

Description: WCD-009 - SBR Air Piping Bellows Joint. Addressing thermal pipe expansion

	DESCRI	PTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions						\$0
2	FAW (see attached b	oreakdown		\$9,500			\$9,500
3							\$0
4							\$0
5							\$0
6							\$0
7							\$0
8							\$0
9							\$0
10							\$0
11							\$0
12							\$0
13							\$0
14							\$0
15							\$0
	SUB TOTALS #1	totaled across		\$9,500	\$0	\$0	\$9,500
		Sales Tax	0.00%	\$0			\$0
	SUB TOTALS #2	totaled across		\$9,500	\$0	\$0	\$9,500
		Contingency	0.00%	\$0	\$0	\$0	\$0
	Insuran	ce Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totaled across		\$9,500	\$0	\$0	\$9,500
	FAW (d	overhead & profit)	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #4	totaled across		\$9,500	\$0	\$0	\$9,500
		Insurance/Bond	0.000%	is bond requi	red (yes/no) ?:	Yes	\$0.00
	TOTAL						\$9,500

#### **Scope Clarifications and Exclusions**

See attached breakdown and notes.

2

3 4 5



## Wastewater Treatment Plant Improvements Project Greenfield, IN

	Description	Quantity	Unit	\$/Unit	Amount
12c	Air Piping Thermal Expansion - Bellows NO Spinder Guides (Carbon Steel, N	on-AIS)			
1.0	Purchase of CS Wall Sleeves	3	ea	\$916.67	\$2
2.0	Linkseals	3	ea	\$46.82	
	Added 14" pipe material to at N Wall to raise 2nd Penetration above Grade				
3.0	(Cl 877.41 vs 885.59).	8	lf	\$160.00	\$1
4.0	Non-AIS Bellows - Material (Carbon Steel Flanges)	2	ea	\$1,225.00	\$2
5.0	Spider Guides	0	ea	\$535.00	
6.0	Credit for U-Bolts Eliminated by Spider Guides	0	ea	\$75.00	
7.0	Installation of Guides (Additional Attachment to Wall)	0	ea	\$1,020.00	
8.0	Installation of Bellows (Cut Pipe to Length, install guide rods, etc.)	2	ea	\$1,020.00	\$2
9.0	Markup	10	%	\$8,660.47	
	SUBTOTAL (Rounded to nearest \$100)				\$9

The proposed bellows have a maximum operating temperature of 250 degrees per the attached data sheet. It is our understanding that the blower discharge temperature will be electronically limited to 250 degrees to satisfy this requirement.



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 3/20/2023

FAW Change Estimate No.: CE-011 - WCD No. 5

Description: Addition of (4) shutoff valves to the NPW per the locations given with WCD No.

	DESCRI	PTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions				\$590		\$590
2	Material			\$10,375	\$3,239		\$13,614
3							\$0
4							\$0
5							\$0
6							\$0
7							\$0
8							\$0
9							\$0
10							\$0
11							\$0
12							\$0
13							\$0
14							\$0
15							\$0
	SUB TOTALS #1	totaled across		\$10,375	\$3,829	\$0	\$14,204
		Sales Tax	0.00%	\$0			\$0
	SUB TOTALS #2	totaled across		\$10,375	\$3,829	\$0	\$14,204
		Contingency	0.00%	\$0	\$0	\$0	\$0
	Insuran	ce Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totaled across		\$10,375	\$3,829	\$0	\$14,204
	FAW (c	verhead & profit)	10.00%	\$1,038	\$383	\$0	\$1,420
	SUB TOTALS #4	totaled across		\$11,413	\$4,212	\$0	\$15,624
		Insurance/Bond	0.000%	is bond requi	red (yes/no) ?:	Yes	\$0.00
	TOTAL						\$15,624

#### **Scope Clarifications and Exclusions**

Travis Hempfling



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 3/20/2023

FAW Change Estimate No.: CE-012 - WCD No. 6

Description: Pricing to upsize the 3/4" pipe and valve off of the SBR Decanter Line to 2"

reduced down to a 3/4" hose bib connection with 2" Ball Valve.

	DESCRI	PTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions				\$225		\$225
2	Material			\$2,126			\$2,126
3							\$0
4							\$0
5							\$0
6							\$0
7							\$0
8							\$0
9							\$0
10							\$0
11							\$0
12							\$0
13							\$0
14							\$0
15							\$0
	SUB TOTALS #1	totaled across		\$2,126	\$225	\$0	\$2,351
		Sales Tax	0.00%	\$0			\$0
	SUB TOTALS #2	totaled across		\$2,126	\$225	\$0	\$2,351
		Contingency	0.00%	\$0	\$0	\$0	\$0
	Insuran	ce Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totaled across		\$2,126	\$225	\$0	\$2,351
	FAW (o	verhead & profit)	10.00%	\$213	\$23	\$0	\$235
	SUB TOTALS #4	totaled across		\$2,339	\$248	\$0	\$2,586
		Insurance/Bond	0.000%	is bond requir	red (yes/no) ?:	Yes	\$0.00
	TOTAL						\$2,586

#### **Scope Clarifications and Exclusions**

Travis Hempfling

3|20|2023



Project # - Name: Greenfield Wastewater Treatment Plant

Date:

3/14/2023

FAW Change Estimate No.: CE-015 - RFI 97 - SBR Base Mat Pour No. 5 - Add Air to Mix Design

Description: In response to EOR response to RFI 97 to add air to the concrete mix design for SBR Base Slab Pour #5 on the Northeast of the SBR Tank. This resulted in an additional 1/2 bag of cement being added to the mix for Pour #5 of the SBR Base Slab of 1034 cy.

	DESCRI	PTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions	;			\$155		\$155
2	Shelby Materials			\$3,105			\$3,105
3							\$0
4							\$0
5							\$0
6							\$0
7							\$0
8							\$0
9							\$0
10							\$0
11							\$0
12							\$0
13							\$0
14		··					\$0
15							\$0
	SUB TOTALS #1	totaled across	****	\$3,105	\$155	\$0	\$3,260
		Sales Tax	0.00%	\$0			\$0
	SUB TOTALS #2	totaled across		\$3,105	\$155	\$0	\$3,260
		Contingency	0.00%	\$0	\$0	\$0	\$0
	Insuran	ce Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totaled across		\$3,105	\$155	\$0	\$3,260
	FAW (d	overhead & profit)	10.00%	\$311	\$16	\$0	\$326
	SUB TOTALS #4	totaled across		\$3,416	\$171	\$0	\$3,586
		Insurance/Bond	0.000%	is bond requi	red (yes/no) ?:	Yes	\$0.00
	TOTAL		••••				\$3,586

**Scope Clarifications and Exclusions** 

5

#### GENERAL REQUIREMENTS / CONDITIONS

Project: Greenfield Wastewater Treatment Plant		Da	ate: 3/15/23 8:40 AM	
Work scope: General Conditions	Months:	Weeks:	Calendar Days:	Work Days:

				MA	TERIAL	L	ABOR	SERVICE/S	UBCONTRACT	LINE I	TEM TOTALS
CODE #	LINE ITEM DESCRIPTION	ITEM QUANT		UNIT	MATERIAL	UNIT	LABOR	UNIT	SERVICE OR SUBCONTRACT	UNIT	LINE ITEM TOTAL
		QUANTITY	UNIT	PRICE	DOLLARS	PRICE	DOLLARS	PRICE	DOLLARS	PRICE	DOLLARS
	General Conditions / Staffing										
	Project Executive / Ops Manager										
	Project Manager		hr	\$0.00		\$85.00	\$85			\$85.00	\$8
	Assistant Project Manager	1	hr	\$0.00		\$70.00	\$70			\$70.00	\$7
	Project Engeneer		hr	\$0.00		\$60.00					
	General Superintendent										
	Superintendent		hr	\$0.00		\$85.00					
	Safety Manager / Coordinator Quality Manager		hr hr	\$0.00 \$0.00		\$70.00 \$70.00					
	Admin Assistant		nr	\$0.00		\$70.00					
	VP of Preconstruction Services					1					
	Preconstruction Manager					1					
	Senior Estimator					1					
	Estimator					1					
	BIM / VDC Engineer					1					
	Scheduling Manager					1					
	Office Trailer(s)										
	Office Trailer Set-up & Tear Down	1									
	Office Equipment & Supplies					1					
	Phones / Internet / Computers					1					
	Monthly Power for Trailer(s)					1					
	Drinking Water										
	Furniture in Trailer(s)										
	Plans / Reprographics										
	Travel / Lodging										
F	Procore Project Management										
	General Requirements										
	Initial Benchmark and Surveying										
	Temporary Fencing & Maintenance					1					
	Concrete Jersey Barriers for Fence					1					
	Temporary Gravel (Staging / Road)					1					
	Utility Locates / Vac Truck					1					
	Buck Hoist					1					
	Hoisting: Tower Crane					1					
	Scaffolding					1					
	Temporary Stairs					i					
	Street Sweeper					i i					
	General Project Cleaning					i i					
	Final Cleaning										
	Safety Training										
	Dumpsters										
1 17	Temporary Restrooms										
1	Temporary Heat During Construction										
	Temporary Water Hookup										
	Temporary Electrical Hookup										
[7	Temporary Generator										
* E	Electrical Usage During Construction										
* \	Water Usage During Construction										
	Temporary Enclosures/Protection										
	Temporary Sidewalks										
	Temporary Signage										
	Traffic Control										
(	Gate Security										
	Construction Camera										
	Dewatering										
	Permits & Fees										
	Trucking	ļ	Ш								
	Small Tools					ļ .					
_	TOTALS	<u> </u>			\$0		\$155		\$0		\$1
	Add Sales Tax on Material (yes/no	?):	NO	0.00%	exempt						exe
L					\$0	<u> </u>					
					·						addi

addition OK

#### ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant

due date:

work scope: SBR Slab Pour #5 - Added 1/2 Bag Cement

calc date: 3/15/23 8:40 AM

				MATERI	AL / EQUIP					LABO	R				SERVIC	E/SUBCONTRACT	LINE ITE	M TOTALS
CODE #	LINE ITEM DESCRIPTION	ITEM QUANTI	ITY		MATERIAL	Ope	erators	La	borer	Carr	enters					SERVICE OR		
			İ	UNIT	OR EQUIP	\$/hr=		\$/hr=		\$/hr=		†	TOTAL	LABOR	UNIT	SUBCONTRACT	UNIT	LINE ITEM TOTAL
						RATE	HOURS	RATE	HOURS	RATE	HOURS	1	HOURS	DOLLARS	PRICE		PRICE	DOLLARS
		QUANTITY	UNIT	PRICE	DOLLARS	NAIL	HOUNG	KAIL	пооко	KAIL	пооко	COMP RATE				DOLLARS		
	Shelby Materials																	
	F60260 - 6 Bag Cement Mix	1,035	су	\$147.00	\$152,145		0		0		0	0.00	0	\$0		\$0	\$147.00	\$152,145
	FZ55200P - 5 1/2 Bag Cement Mix	-1,035	су	\$144.00	(\$149,040)		0		0		0	0.00	0	\$0		\$0	\$144.00	(\$149,040)
		<b>+</b>																
													,					
	T07-1-0				¢0.40=		0		_		_		0	60		60		60.40=
	TOTALS			0.0001	\$3,105		0		0		0		0	\$0		\$0		\$3,105
	add sales tax on material	(yes/no ?):	no	0.00%	exempt													exempt
					\$3,105							1	- 4444 611	-a.ee	1			-4.00 600
													addition OK	addition OK				addition OK



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 3/24/2023

FAW Change Estimate No.: CE-020 - RFI 111 - PV-575 and PV-576 Actuation Change

Description: Per RFI 111 response this is a credit for the change in actuation type for PV-575

and PV-576 from electrically acutated to manual.

	DESCRI	PTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions				\$155		\$155
2	BL Anderson			(\$28,606)			(\$28,606)
3	IEI					(\$1,025)	(\$1,025)
4							\$0
5							\$0
6		•					\$0
7							\$0
8							\$0
9							\$0
10							\$0
11							\$0
12							\$0
13			!				\$0
14							\$0
15							\$0
	SUB TOTALS #1	totaled across		(\$28,606)	\$155	(\$1,025)	(\$29,476)
		Sales Tax	0.00%	\$0			\$0
	SUB TOTALS #2	totaled across		(\$28,606)	\$155	(\$1,025)	(\$29,476)
		Contingency	0.00%	\$0	\$0	\$0	\$0
	Insuran	ce Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totaled across		(\$28,606)	\$155	(\$1,025)	(\$29,476)
	FAW (c	overhead & profit)	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #4	totaled across		(\$28,606)	\$155	(\$1,025)	(\$29,476)
		Insurance/Bond	0.000%	is bond require	ed (yes/no) ?:	Yes	\$0.00
	TOTAL		***************		*******************	*********	(\$29,476)

**Scope Clarifications and Exclusions** 

Lary Keymon 4/19/23

9 FL 4/19/23

Travis Hempfling

3|24|2023



## Email Transmittal February 14, 2023

Project: Greenfield WWTP Attn: Travis Hempfling

From: TJ Siple

Subject: Change Order Details – PO 10802-007

#### Travis:

Please see below cost breakdowns of removing (2) Electric Actuators from 6" Plug Valves and making them Manual operated per RFI 111.

Item	Qty	Size	End	Description	Unit Cost	Extension
1	2	6"	-	Rotork Electric Actuators removed from (2) 6" DeZURIK Plug Valves. Plug Valves will now be manually operated (gear actuated handwheel operators)  Valve Tags: PV-575,576	(\$13,440.00)	(\$26,880.00) Delete from Project
2	2	-	-	Rotork disconnect switches removed from project.	(\$2,493.00)	(\$4,986.00) Delete from Project
3	2	6"	FL	6" DeZURIK Flanged PEF 100% Port Plug Valves with gear actuated handwheel operators.  Order Code: PEF,6,F1,CI,NBR,CR,AIS-DTR-S30SC0*GS-6A-HD8	\$1,630.00	\$3,260.00 Add to Project

Total CO amount for above changes = (\$28,606.00)

If you have any questions or require any additional assistance, please contact me in our office.

#### Regards,

TJ Siple – Valve Sales BL Anderson Company, Inc. 4801 Tazer Drive Lafayette, IN 47905 Ph # (765)463-1518 tj@blanderson.com



3/20/2023

FA Wilhelm 3914 Prospect St Indianapolis, Indiana 46203

Attn: Gary Keymon

Re: Greenfield WWTP: RFI-111 - Sludge Processing - Valve Schedule Confirmation

Industrial Electric, Inc. thanks you for the opportunity to quote the electrical work on the above referenced project. Our quotation is based on RFI-111 - Sludge Processing - Valve Schedule Confirmation.

We have included the following:

- Credit For Furnishing & Installing Raceways & Associated Wiring From SB-4 Located In Sludge Dewatering Control Room To PV-574 Located In Sludge Dewatering Room
- Credit For Power Terminations
- 5 Day 8 Hour Per Day Work Week

We have **NOT** included the following:

- IN State Sales Tax
- Overtime / Premium Time

#### RFI-111 - Sludge Processing - Valve Schedule Confirmation Total

(-\$1,025.00)

Should you have any questions please feel free to contact us at 317-713-7300.

Sincerely,

#### **Dustin Simpson** | Project Manager

#### Industrial Electric, Inc.

1445 Brookville Way, Ste. Q | Indianapolis, IN 46239

Phone: 317.713.7300 | EXT.7904

E-mail: <u>dustinsimpson@industelectric.com</u>

www.industelectric.com File: 2228-190023

#### Meghan Pintozzi, El

From: Al Stong, PE

Sent: Tuesday, January 31, 2023 5:23 PM

**To:** Davidson, Derek

**Cc:** Toby Church, PE, CEA; Keymon, Gary; Puckett, Ian; Hempfling, Travis; Matt Green, PE;

Steve Dugan; ndezelan@greenfieldin.org; Eric Thomas; Christopher Limcaco, PE;

Meghan Pintozzi, El

**Subject:** RE: Greenfield Electrical RFI's and WCD

Derek,

I talked with the Owner and he supports accepting the proposed credit which eliminates any additional costs for installation associated with these blowers.

Please proceed accordingly and provide summary credit information through Procore for assembly of change order.

#### Al Stong, PE | President, Senior Project Manager

T: 800-289-1177 | D: 317-215-7369

Corporate Office: 7256 Company Dr., Indianapolis, IN, 46237, USA Regional Offices: Evansville, Indianapolis North, Fort Wayne, and

Crown Point, IN | Bowling Green, KY



From: Davidson, Derek < Derek Davidson@fawilhelm.com >

**Sent:** Tuesday, January 31, 2023 12:36 PM **To:** Al Stong, PE <astong@contactcei.com>

Cc: Toby Church, PE, CEA <tchurch@contactcei.com>; Keymon, Gary <garykeymon@fawilhelm.com>; Puckett, Ian

<lanPuckett@fawilhelm.com>; Hempfling, Travis <travishempfling@fawilhelm.com>; Matt Green, PE

<mgreen@contactcei.com>; Steve Dugan <sdugan@contactcei.com>

Subject: RE: Greenfield Electrical RFI's and WCD

Αl,

Response from Aerzen via Aqua regarding the need/recommendation for enclosure heaters.

Usually, we only recommend enclosure heaters for pressure lubricated units (like our hybrids or compressors) when installed outdoors in a northern climate. For a splash lubricated GM series blower in Indianapolis (such as the case here) we do not recommend them or require them. I cannot think of a single Aerzen GM blower in Indiana that has an enclosure heater. In fact, we have some outdoor blowers in Michigan and Canada that do not have enclosure heaters.

We only added it because it was a part of the specification.

Aqua is offering a total credit of \$3,150 to remove the heaters from all nine blowers (\$350/blower). This would eliminate the electrical cost since the blower returns to the original configuration/wiring.

Thanks,



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 4/11/2023

FAW Change Estimate No.: CE-032 - WCD No. 10 - Storm Sewer N-TT Deletion

Description: The following pricing is a credit for the deletion of Storm Structure 210, Storm Structure 209, 139 LF of 24" RCP, and Riprap as requested in WCD No. 10.

	DESCR	IPTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions	S			\$85		\$85
2	Storm Sewer N-TT D	Peletion		(\$15,599)	(\$4,583)		(\$20,182)
3							\$0
4							\$0
5							\$0
6				i i			\$0
7				ĺ			\$0
8							\$0
9							\$0
10							\$0
11			!		i -		\$0
12							\$0
13							\$0
14							\$0
15							\$0
	SUB TOTALS #1	totaled across		(\$15,599)	(\$4,498)	\$0	(\$20,097)
		Sales Tax	0.00%	\$0			\$0
	SUB TOTALS #2	totaled across		(\$15,599)	(\$4,498)	\$0	(\$20,097)
		Contingency	0.00%	\$0	\$0	\$0	\$0
	Insuran	ce Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totaled across		(\$15,599)	(\$4,498)	\$0	(\$20,097)
	FAW (d	overhead & profit)	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #4	totaled across		(\$15,599)	(\$4,498)	\$0	(\$20,097)
		Insurance/Bond	0.000%	is bond requir	ed (yes/no) ?:	Yes	\$0.00
	TOTAL		*************	***************************************		***********	(\$20,097)

### **Scope Clarifications and Exclusions**

Any Remediation work due to existing conditions

Jary Kymon

4/11/23

#### **ESTIMATE PRICING WORKSHEET**

project: Greenfield Wastewater Treatment Plant

due date:

work scope:

CE-032 - WCD No. 10 - Storm Sewer N-TT Deletion

calc date:

4/11/23 4:08 PM

				MATER	IAL / EQUIP					LABC	R				SERVIC	E/SUBCONTRACT	LINE ITE	M TOTALS
CODE	LINE ITEM DESCRIPTION	ITEM QUANT	HTY		MATERIAL	Оре	erators	La	borer	Car	penters	111 111127	ESSENT.	goodin onli	_	SERVICE OR	esillo oraș	Wind New
				UNIT	OR EQUIP	\$/hr=	\$63.97	\$/hr=	\$50.61	\$/tu=	\$63.80		TOTAL	LABOR	UNIT	SUBCONTRACT	UNIT	LINE ITEM
		QUANTITY	UNIT	PRICE	DOLLARS	RATE	HOURS	RATE	HOURS	RATE	HOURS	COMP RATE	HOURS	DOLLARS	PRICE	DOLLARS	Pruce	TOTAL DOLLAR
					III 0 = 3	_	HEXT		1 = 30		200000	111853813				1 3 C = 1 X X = 10 MH		
	WCD-10 Credit								19.4				96-776	TALK		fexes concean	lactor concess	POST NAME OF THE PARTY OF THE P
	ST 210 Structure	-1	I EA	\$988.26	(\$988)		0		0	-	0	0.00	0	\$0		\$0	5000.00	(2000
					-3.6K= 556		1 1 1 1 1 1		PATE ACTOR		7.02	0.00	10000000	RES VIEWS		30	\$988.00	(\$988
_	Line N-TT - 24" RCP	-139	LF	\$41.23	(\$5,731)		0		0		. 0	0.00	0	\$0		\$0	\$41.23	(\$5,731
	ST 209 Outfall Structure	-1	ΕA	\$927.77	(\$928)		0		0		0	0.00	0	\$0		\$0	\$928.00	(\$928
	Riprap	-20	Ton	\$19.50	(\$390)		0		0		0	0.00	0	\$0		\$0	IEWE ZUŚ	STATE OF THE PARTY OF
										<del>                                     </del>	TANK	0.00	50 AV 105	30		30	\$19.50	(\$390
	#8 Stone (Include Hauling)	-158	Ton	\$19.75	(\$3,121)		0		0		0	0.00	0	\$0		\$0	\$19.75	(\$3,121)
	Borrow (include hauling)	-17	Ton	\$18.75	(\$325)		0		0		0	0.00	0	\$0		\$0	\$18.78	(\$325)
	Install	1	LS				-40		-40		0	+0.01	-80	(\$4,583)		\$0	(\$4,583.20)	(\$4,583)
-	Loader	-20	HR	\$50.63	(\$1,013)		0		0		0	0.00	0	\$0		\$0	\$50.65	(\$1,013)
					1.50									July and			\$30.65	Company of the last of the las
	Excavator	-20	HR	\$116.67	(\$2,333)		0		0	-	0	0.00	0	\$0		\$0	\$116.65	(\$2,333)
	Fuel (6 gal/hr)	-240	Gal	\$3.21	(\$770)		0		0		0	0.00	0	\$0		\$0	\$3.21	(\$770
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					(0.0,000)								addition OK	addition OK		<del></del>		addition OK



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 4/26/2023

FAW Change Estimate No.: CE-031 Added Masonry Accent Band

Description: Nick Dezelan requested masonry accent bands to be added to the P.S. Stairway Building, New Electrical Building, Sludge Building, & Headworks Building. The cost shown below is

for the added labor associated with the setup for the added accent bands.

	DESCRIPTION		MATERIAL	LABOR	SUB	LINE TOTA
1	General Conditions			\$155		\$155
2	Added Masonry Accent Bands to P.S Sta Sludge, & Headworks Buildings.	airwell, New Electrical,			\$3,938	\$3,938
3					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$0
4						\$0
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7						\$0
8						\$0
9						\$0
10						\$0
11						\$0
12						\$0
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14						\$0
15						\$0
	SUB TOTALS #1 totaled across		\$0	\$155	\$3,938	\$0
	Sales Tax	0.00%	\$0	Ψ100	<b>\$3,930</b>	\$4,093 \$0
ſ	SUB TOTALS #2 totaled across		\$0	\$155	62.020	
- 1	Contingency	0.00%	\$0	\$195	\$3,938	\$4,093
ı	Insurance Requirements	0.00%	\$0		\$0	\$0
	SUB TOTALS #3 totaled across	0.0078	\$0	\$0	\$0	\$0
f	FAW (overhead & profit)	10.00%	\$0	\$155 \$16	\$3,938	\$4,093
	SUB TOTALS #4 totaled across	10.0078			\$394	\$16
f	Insurance/Bond	0.000%	\$0	\$171	\$4,332	\$4,502
F	misurance/Bolid	0.000%	is bond require	ea (yes/no) ?:	Yes	\$0.00
•	TOTAL	P4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	*******************			\$4,502

Scope Clarifications and Exclusions

Accent Bands for Sludge & Headworks Buildings assumed 5 courses down from top of wall.

Accent Bands for P.S. Stairwell & New Electrical Buildings assumed 4 courses down from top of wall.

Jary Keymon 5/1/23
5/1/23 10f1

Change\_Estimate\_w.\_Summary\_R1v.1.19.21

F.A. Wilhelm Construction Co., Inc.

#### **ESTIMATE PRICING WORKSHEET**

project Greenfield Wastewater Treatment Plant

work seeps: CE-031 Added Masonry Accent Band to All Buildings

clue date:

cate data:

4/27/23 12:44 PM

DODE #		Ī		MATERIAL	, r EQUIP	_				LABO	R				SERVIC	E/BUBCONTRACT	LINE	EM TOTALS
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	Added Masonry Accent Band to Pump Station Stainwell, New Electrical, Studge, & Headworks Buildings						milet nice		المراجعة			4000	10000		f	B-140 B-100		
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Project # - Name: Greenfield Wastewater Treatment Plant

Date: 4/25/2023

FAW Change Estimate No.: CE-030 - Added 100 LF of Privacy Fence at Pump Station

Description: Per request RFI-138 response by Nick Dezelan, an additional 100 LF of the PVC Simulated Stone Sound Wall is to be added onto the Vinyl Simulated Stone Sound Wall Fencing extending the fence line North to the new chain link fencing North of the Pump Station. This work will include the removal of the existing farm fencing and the removal of a large stump in the fence row.

	DESCRIPTION			MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions				\$145		\$145
2	Capitol City Fence - Add 100 LF	PVC Fe	ence	\$1,220	\$317	\$12,325	\$13,862
3						,	\$0
4							\$0
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11		·					\$0
12							\$0
13							\$0
14							\$0
15							\$0
	SUB TOTALS #1 totaled	across		\$1,220	\$462	\$12,325	\$14,007
		es Tax	0.00%	\$0			\$0
	SUB TOTALS #2 totaled	across		\$1,220	\$462	\$12,325	\$14,007
	Contir	ngency	0.00%	\$0	\$0	\$0	\$0
	Insurance Require	ments	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3 totaled a	across		\$1,220	\$462	\$12,325	\$14,007
	FAW (overhead &	profit)	10.00%	\$122	\$46	\$1,233	\$168
	SUB TOTALS #4 totaled a	across		\$1,342	\$508	\$13,558	\$15,408
	Insurance	/Bond	0.000%	is bond require		Yes	\$0.00
	TOTAL			••••••			\$15.408

**Scope Clarifications and Exclusions** 

1 2 3

#### ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant

work scope: CE-030 - Added 100 LF of Privacy Fence at P.S.

due date:

calc date

4/25/23 4:43 PM

CODE				IAL / EQUIP	LABOR										E/SUBCONTRACT	LINE ITE	M TOTALS
CODE	LINE ITEM DESCRIPTION	ITEM QUANTITY	_	MATERIAL		rators	Laborer		Car	penters	Medica!	40.00	300 V T T T T T T T T T T T T T T T T T T		SERVICE OR	Standing to a	STATE STATE OF THE PARTY OF THE
ſ		-	UNIT	OR EQUIP	\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$63.80	300	TOTAL	LABOR	UNIT	SUBCONTRACT	UNIT	TOTAL DOLLARS
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_				81,231					_	_		addition OK	addition OK			[	\$13,94

#### Meghan Pintozzi, El

From: Davidson, Derek < DerekDavidson@fawilhelm.com>

Sent: Friday, January 27, 2023 7:27 AM

**To:** Steve Dugan

Cc: Al Stong, PE; Meghan Pintozzi, El; Matt Green, PE; Puckett, Ian; Keymon, Gary

**Subject:** RE: Greenfield WWTP: Bolted Pressure Switch Review Meeting

Steve,

We will advise the electrician to proceed with the SS enclosures (Option #1 below).

Thanks,

#### Derek Davidson, P.E.

Preconstruction Manager

#### F.A. Wilhelm Construction Co., Inc.

3914 Prospect Street | Indianapolis, IN 46203

O 317.359.5411 M 317.690.5411

FAWilhelm.com



From: Steve Dugan <sdugan@contactcei.com> Sent: Thursday, January 26, 2023 4:47 PM

To: Davidson, Derek < Derek Davidson@fawilhelm.com>

**Cc:** Al Stong, PE <astong@contactcei.com>; Meghan Pintozzi, El <mpintozzi@contactcei.com>; Matt Green, PE <mgreen@contactcei.com>; Puckett, Ian <IanPuckett@fawilhelm.com>; Keymon, Gary <garykeymon@fawilhelm.com>

Subject: RE: Greenfield WWTP: Bolted Pressure Switch Review Meeting

#### Derek,

Matt Green met with Nicholas Dezelan today regarding the ATS enclosures. Nicholas said to proceed with the stainless-steel enclosures for the transfer switch option in lieu of the bolter pressure switches.

Thank you.

#### Steve Dugan | Electrical Designer IV

T: 800-289-1177 | D: 317-215-5468

Corporate Office: 7256 Company Dr., Indianapolis, IN, 46237, USA Regional Offices: Evansville, Indianapolis North, Fort Wayne, and

Crown Point, IN | Bowling Green, KY



From: Davidson, Derek < Derek Davidson@fawilhelm.com >

**Sent:** Wednesday, January 25, 2023 7:25 AM **To:** Steve Dugan <sdugan@contactcei.com>

Cc: Al Stong, PE <astong@contactcei.com>; Meghan Pintozzi, El <mpintozzi@contactcei.com>; Matt Green, PE

<<u>mgreen@contactcei.com</u>>; Puckett, Ian <<u>lanPuckett@fawilhelm.com</u>>; Keymon, Gary <<u>garykeymon@fawilhelm.com</u>> **Subject:** RE: Greenfield WWTP: Bolted Pressure Switch Review Meeting

Steve,

The electrician has provided an updated quote for the alternate enclosure material (see attached). The non-SS enclosure is powder coated.

The total cost with the SS Enclosures (option #1) is \$69,100.

The total cost with the powder coated enclosure (Option #2) is \$40,300.

Let me know if you have any questions and which option is preferred, so we can get them moving on these items.

Thanks,

#### Derek Davidson, P.E.

Preconstruction Manager

#### F.A. Wilhelm Construction Co., Inc.

3914 Prospect Street | Indianapolis, IN 46203

O 317.359.5411 M 317.690.5411





From: Steve Dugan < sdugan@contactcei.com >

**Sent:** Friday, January 20, 2023 3:26 PM

To: Davidson, Derek < <u>DerekDavidson@fawilhelm.com</u>>

Cc: Keymon, Gary <garykeymon@fawilhelm.com>; Puckett, Ian <<u>lanPuckett@fawilhelm.com</u>>; Matt Green, PE <<u>mgreen@contactcei.com</u>>; Meghan Pintozzi, El <<u>mpintozzi@contactcei.com</u>>; Al Stong, PE <<u>astong@contactcei.com</u>>

Subject: RE: Greenfield WWTP: Bolted Pressure Switch Review Meeting

#### Derek,

I spoke with Nicholas Dezelan today; Greenfield is in agreement, that for safety purposes it is best to eliminate the Bolted Pressure Switches and utilize the Automatic Transfer Switches as the means of disconnecting electrical power in an emergency.

Nicholas would like to review the actual cost difference between NEMA 3R SS ATS, and the NEMA 3R before formally approving this change. Also please provide information on NEMA 3R metal finish, painted, powder coated etc. for review.

Thank you!

#### Steve Dugan | Electrical Designer IV

T: 800-289-1177 | D: 317-215-5468

Corporate Office: 7256 Company Dr., Indianapolis, IN, 46237, USA Regional Offices: Evansville, Indianapolis North, Fort Wayne, and

Crown Point, IN | Bowling Green, KY





Project # - Name: Greenfield Wastewater Treatment Plant

Date: 5/5/2023

FAW Change Estimate No.: CE-010

Description: Pricing for WCD-003 to Furnish and Install owner requested added Spare Conduits from: Headworks to Lab/Office, Headworks to Existing Garage, Existing Garage to Existing Sludge Processing Building, Headworks to New Sludge Building, Headworks to New Pump Station, Headworks to SBR Pipe Gallery, and Headworks to New Blower Pad.

	DESCR	IPTION		MATERIAL	LABOR	SUB	LINE TOTA
1	General Condition	s			\$155		\$155
2	Industrial Electric (IE	EI)				\$137,005	\$137,005
3							\$0
4							\$0
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9	<del></del>						\$0
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13	<u> </u>						\$0
14							\$0
15							\$0
	SUB TOTALS #1	totaled across		\$0	\$155	\$137,005	\$137,160
		Sales Tax	0.00%	\$0			\$0
	SUB TOTALS #2	totaled across		\$0	\$155	\$137,005	\$137,160
		Contingency	0.00%	\$0	\$0	\$0	\$0
	<del></del>	ce Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totaled across		\$0	\$155	\$137,005	\$137,160
		verhead & profit)	10.00%	\$0	\$16	\$13,701	\$16
	SUB TOTALS #4	totaled across		\$0	\$171	\$150,706	\$150,876
Į		Insurance/Bond	0.000%	is bond require	ed (yes/no) ?:	Yes	\$0.00
	TOTAL		************************************		***********************		\$150.876

**Scope Clarifications and Exclusions** 

Say Klymon 5/5/23

#### **ESTIMATE PRICING WORKSHEET**

project Greenfield Wastewater Treatment Plant

work acope: WCD-003 - Owner RequestedFuture IT Conduits

due date.

calc date.

5/5/23 3:52 PM

CODE 8	LARE (TEM CERCEPTION  Industrical Electric (IEI)	SUARTITY		LIMIT T. PRICE	MATERIAL OR EQUIP DOLLARS		sea.97	\$hr*	550.61		sentors \$43.80		TOTAL	LAROR	unit	SERVICE OR		M TOTALS
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4/28/2023

FA Wilhelm 3914 Prospect St Indianapolis, Indiana 46203

Attn: Gary Keymon

Re: Greenfield WWTP: WCD #003 - Customer Spare Conduits

Industrial Electric, Inc. thanks you for the opportunity to quote the electrical work on the above referenced project. Our quotation is based on Work Change Directive #003.

We have included the following:

- Furnish & Install (2) Spare Raceways From Headworks Building #3 To Lab/Office Building #11
- Furnish & Install (2) Spare Raceways From Headworks Building #3 To Existing Street Dept. Garage Building #N
- Furnish & Install (2) Spare Raceways From Existing Street Dept. Garage Building #N To Existing Sludge
   Processing Building K
- Furnish & Install (2) Spare Raceways From Headworks Building #3 To Sludge Dewatering Building #9
- Furnish & Install (2) Spare Raceways From Headworks Building #3 To New Pump Station Building #1
- Furnish & Install (2) Spare Raceways From Headworks Building #3 To SBR Pipe Gallery Building #5
- Furnish & Install (2) Spare Raceways From Headworks Building #3 To New Blower Pad
- 5 Day 8 Hour Per Day Work Week

We have **NOT** included the following:

- IN State Sales Tax
- Overtime / Premium Time
- Excavation, Backfill, Concrete, Boring, Etc.
- Equipment Rental
- Fiber Optic Cabling, Testing, Terminations, Labeling, Etc.

#### WCD #003 - Customer Spare Conduits Total

\$137,005.00

Should you have any questions please feel free to contact us at 317-713-7300.

Sincerely,



### INDUSTRIAL ELECTRIC CHANGE ORDER SUMMARY

	OJECT NAME		Greenfield WWTP	C O. #	190014
PR	DJECT NO	GENERAL CONTRACTOR:	FA Wilhelm	DATI	E: 28-Apr-23
		DESCRIPTION OF CHANGE	See Scape Latter		
			WCD #003 - Customer Spare Conduits		
_			Excludes GPL Conduits		
	IEI Direct (				
	Labor	Hours 935.27	Worker Used		
		9.35.27 rs - 935.27	Field Labor		\$84.711.91
В	Material	See Break Out On Next Sh	eet		\$45,769.02
	Outes	Description	Cost		
-	Quoles		\$0.00 \$0.00		\$0.00
D	Sales Tax	Percentage 0%			\$0.00
	Vái	Equipment Type	Weekly Cost Number of Weeks		
Е	Equipment		\$0.00 0.00 \$0.00 0.00		\$0.00
F	Equipment Tax	Percentage #%			\$0.00
G	Subtotal of Ac	iditive Cost			\$130,480.93
	Deductive Co	OSES (use minus sign to deno	te negative figures)		
Н	Labor	Hours	Worker Used Labor Rate \$0.00		\$0.00
	Total Hour	0.00	\$0.00		
ï	Material	See Break Out On Hest She	et .		\$0.00
			Monthly Cost Number of Months		80.00
J	Equipment	Endomina 1 Jan	\$0.00 0.00 \$0.00 0.00		\$0.00
K	Subtotal of Dedu	ctive Cost	a		\$0.00
L	Lotal Direct Co	ost (E+I)			\$130,480,93
М	General Mark	-up i	Overhead Pr	ofit 5%	\$6.524.05
			Material 0% cquipment 0%	5% 5%	<b>V</b>
N	Total Direct C	osts + Mark-up (Line L + I	M)		\$137.004 98
			Name of the last o		
0	Total Subconti	ractor Direct Costs	Description Cost		\$0.00
		L			
P	Mark-up on Su Costs	bcontractor Direct	Pescription Overhead Pro	ofit 6%	\$0.00
					40.00
0	Total Direct C	osts + Mark-up (Line 0 +	R)	<del></del> .	
-		all from G v	.,		\$0.00
R	Total Change	Request (Line N + Q)			\$137,004.98
,	Note: Include detail	led breakdown of material, labor a	nd equipment cost for each trade		
1	To the heet of m	v knowledge and huliaf 1 made	y that all costs listed above are correct		1
	and of III	,	y ones are cools market above are correct.		
	Destin Simpson Contractor Squature		4/2	S/2023	

Item Name			
	Quantity	Mat'l \$	Labor Hrs.
Lab To Headworks (Fiber)		\$3,236.87	43.97
2 GRC/PVC COATED	20	-	
2 GRC/PVC COUP	8	-	
2 GRC/PVC 36" LR 90D ELBOW	4	-	
2 PVC 40	420	4	
CLEAR PRIMER QT	2	4	
2 PVC 40 90 ELBOW	2	4	
2 PVC COUPLING	4	-	
2 PVC FEMALE ADPT	4	-	
4" DUCT SPACERS	52	-	
2 GRC/PVC RECESSED PLUG	4	47.110.00	11100
Existing N To Headworks (Fiber)		\$7,149.83	144.08
2 GRC/PVC COATED	20	-	
2 GRC/PVC COUP	8	1	
2 GRC/PVC 36" LR 90D ELBOW	4	4	
2 GRC/PVC LB BODY	2	_	
2 PVC 40	1540	4	
CLEAR PRIMER QT	2	1	
2 PVC 40 90 ELBOW	6	1	
2 PVC COUPLING	12	1	
2 PVC FEMALE ADPT	4		
1 DOLLAR MATERIAL (CORE DRILL)	400		
1 HOUR LABOR (CORE DRILL)	4	1	
4" DUCT SPACERS	193		
2 GRC/PVC RECESSED PLUG	4		
Existing K To Existing N (Fiber)		\$5,493.76	69.78
2 GRC/PVC COATED	20	.]	
2 GRC/PVC COUP	8		
2 GRC/PVC 36" LR 90D ELBOW	4	l	
2 GRC/PVC LB BODY	4	l	
2 PVC 40	620		
CLEAR PRIMER QT	2	l	
2 PVC 40 90 ELBOW	6		
2 PVC COUPLING	12	l	
2 PVC FEMALE ADPT	4	ł	
1 DOLLAR MATERIAL (CORE DRILL)	800		
1 HOUR LABOR (CORE DRILL)	4	l	
4" DUCT SPACERS	78	l	
2 GRC/PVC RECESSED PLUG	44		
Sludge To Headworks (Fiber)	<u> </u>	\$3,799.77	61.57
2 GRC/PVC COATED	20		
2 GRC/PVC COUP	8		
2 GRC/PVC 36" LR 90D ELBOW	4		
2 PVC 40	620		
CLEAR PRIMER QT	2		
2 PVC 40 90 ELBOW	4		
2 PVC COUPLING	8		
2 PVC FEMALE ADPT	4		
4" DUCT SPACERS	78		
2 GRC/PVC RECESSED PLUG	4		
Pump Station To Headworks (Fiber)		\$14,859.30	400.2
2 GRC/PVC COATED	20		_



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 5/5/2023

FAW Change Estimate No.: CE-034

Description: Included pricing for RFI #68 to Furnish and Install 120V Raceways & Associated Wiring

from PB-5 in the New Electrical Building to Exhaust Fan #14 in the Pump Station Building.

	DESCRIPTION		MATERIAL	LABOR	SUB	LINE TOTA
1	General Conditions			\$155		\$155
2	Industrial Electric (IEI)			7.55	\$4,174	\$4,174
3					47,177	\$0
4						\$0
5						\$0
6			1			
7				<del></del>		\$0
8						\$0
9						\$0
10						\$0
11					——	\$0
12						\$0
13						\$0
14						\$0
15						\$0
-	SUB TOTALS #1 totaled across					\$0
ŀ	Sales Tax		\$0	\$155	\$4 <u>,</u> 174	\$4,329
ŀ	SUB TOTALS #2 totaled across	0.00%	\$0			\$0
ŀ			\$0	\$155	\$4,174	\$4,329
ŀ	Contingency	0.00%	\$0	\$0	\$0	\$0
ŀ	Insurance Requirements	0.00%	\$0	\$0	\$0	\$0
F	SUB TOTALS #3 totaled across		\$0	\$155	\$4,174	\$4,329
ŀ	FAW (overhead & profit)	10.00%	\$0	\$16	\$417	\$16
ŀ	SUB TOTALS #4 totaled across		\$0	\$171	\$4,591	\$4,762
L	Insurance/Bond	0.000%	is bond require	ed (yes/no) ?:	Yes	\$0.00
•	TOTAL	***************************************	**************	• • • • • • • • • • • • • • • • • • • •		\$4,762

**Scope Clarifications and Exclusions** 

Day Keymon 5/5/23

project: Greenfield Wastewater Treatment Plant
work scope Added Exhaust Fan #14 Power

due date

calc date.

5/5/23 3:27 PM

CODE 4				MATER	AL/EQUIP					LABO	OR				SERVIC	E/SUBCONTRACT	LINETTE	M TOTALS
CODE 8	LIME FIEM DESCRIPTION	TEM COMMITTY	_		MATERIAL		erators		borer	Car	penters					SERVICE OR	FRAFILE	
		1 1		Lect	OR EQUIP	\$/hr=	\$43.67	S/hr=	\$50.61	Shre	\$43.80	]	TOTAL	LABOR	UNIT	SUBCONTRACT	UNIT	LINE ITEM TOTAL
/-	<u> </u>	QUANTITY (I	Hel 1	PRICE .	DOLLARS	RATE	HOURS	RATE	HOURS	RATE	HOURS	COMP RATE	HOURS	DOLLARS	PRICE	DOLLARS	PROCE	DOLLARS
	Industrial Electric (IEI)															GOLDINA		
	moustral Erectric (IEI)	1 (1	ş				0		0		0	0.00	0	\$0	\$4,174.00	\$4,174	211717	44.4
															84.174.00	34,174	\$4,174.00	\$4,1
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	add sales tax on material (yes/no ?):				\$0		0		0		0		0	\$0		\$4,174		\$4,1
	and the same of th	no		0 00%	exempt \$0													\$4,17 4xer
					\$0													
												L,	addison OK	addition OK				addeon



3/15/2023

FA Wilhelm 3914 Prospect St Indianapolis, Indiana 46203

Attn: Gary Keymon

Re: Greenfield WWTP: RFI #68 - Exhaust Fan #14 Power

Industrial Electric, Inc. thanks you for the opportunity to quote the electrical work on the above referenced project. Our quotation is based on RFI #68 - Exhaust Fan #14 Power.

We have included the following:

- Furnish & Install 120V Raceways & Associated Wiring From PB-5 Located In The Electrical Building To Exhaust Fan #14 Located In The Pump Station Building
- Power Terminations
- 5 Day 8 Hour Per Day Work Week

We have **NOT** included the following:

- IN State Sales Tax
- Overtime / Premium Time
- Excavation, Backfill, Concrete, Boring, Etc.

### RFI #68 - Exhaust Fan #14 Power Total

\$4,174.00

Should you have any questions please feel free to contact us at 317-713-7300.

Sincerely,

**Dustin Simpson** | Project Manager

## Industrial Electric, Inc.

1445 Brookville Way, Ste. Q | Indianapolis, IN 46239

Phone: 317.713.7300 | EXT\_7904

E-mail: dustinsimpson@industelectric.com

www.industelectric.com File: 2228-190018



# INDUSTRIAL ELECTRIC CHANGE ORDER SUMMARY

	ECT NAME: ECT NO:		Greenfield WWTP		C.0	D. #1:	190018
111000		GENERAL CONTRACTO			_ <sub>D</sub>	ATE	15-Mar-23
	DI	ESCRIPTION OF CHANG	SE: See Scope Letter		_		
			RFI #68 - Exhaust F	an #14 Power			
	_						
	El Direct Co						
-	Additive Cost	s Hours	186-4				
A L	abor		Worker Used 17 Field Labo	7			1,774.90
		100	00 Project Manage 00 Safety Manage				
	Total Hours		voj saralj mange				
ВМ	latenal	See Break Out On Heat	Sheet				2.066.34
		Description	Cost				
C Q	luotes		\$0.00 \$0.00	_			\$0.00
			30.00	9			
D S	ales Tax	Percentage	×			r	\$0.00
			_				30.00
E E	quipment	Equipment Type Scissor I	Weekly Cost iff \$125.00	Number of Weeks 1.00	0		\$125.00
			\$0.00	0.00	D		
F Ed	quipment Tax	Percentage	<del></del> 1				
, 5	dodustas r serv		×				\$8.75
G S	ubtotal of Add	itive Cost					\$3,974.99
D	eductive Cos	ts (use minus sign to de					
H La	ibor	Hours	Worker Used	Labor Rate \$0.00	7		\$0.00
	Total Hours -	0.00		\$0.00		_	40.00
1 Ma	aterial	See Break Out On Heat !	the ed				fo.00
							\$0.00
J Eq	pripment	Equipment Type	Monthly Cost \$0.00	Number of Months 0.00	1		\$0.00
			\$0.00		f		
K Su	btotal of Deducti	ve Cost					\$0.00
L To	otal Direct Cos	t (E+I)					\$3,974,99)
M Ge	eneral Mark-uj	9	Labor	Overhead 6%	Profit 5%		\$198.75
			Material	0%	5%		\$190,73
_			Equipment	0%	5%		
N To	tal Direct Co	sts + Mark-up (Line L	+ M)				\$4,173.74
			Description	Cost			-
о То	tal Subcontrac	ctor Direct Costs	- a deal springs I	- Vost			\$0.00
ь Ма	ark-up on Subi	contractor Direct	Description	Overhead	Profit		
. Co	ists			0%	0%		\$0.00
o ITo	tal Dimet Con	sts + Mark-up (Line O	. 191		<u> </u>		
0 [10	m Direct CO	na r maik-up (Line 0	* F)				\$0.00
R To	tal Change R	equest (Line N + Q)					
_		breakdown of material, labo	d told amusement and from	ath tends			\$4,173.74
17,40			• कन्ना वपुण्यमसम्बद्धाः एउरः १०४ क्षे	KII EBOB.			
To	the best of my k	noviedge and belief, I ce	risty that all costs listed a	bove are correct		7	
	,						
	stin Simpson tractor Separatura				3 15 2023		
I Udi	- oran Sahragas				E3 94a		

Item Name	Quantity
RFI #68 - Exhaust Fan #14 Power	
12 XHHW CU STRANDED	480
1 GRC SEAL OFF	2
16 OZ SEALING CEMENT/FIBER KIT	2
1X24 EXPL PRF FLEX CPLG	1
1 ALUM CONDUIT	20
1 ALUM COUPLING	6
1 ALUM 90 ELBOW	3
1 GRC 1H MAL STP	4
1 GRC CLAMP BACK	4
1 PVC 40	150
REGULAR GRAY SOLVENT CEMENT QUART	1
1 PVC 40 90 ELBOW	3
1 PVC COUPLING	6
1 PVC FEMALE ADPT	2
12 GA TERMINATION	6
4" DUCT SPACERS	19
	\$2,066.34



Project # - Name: Greenfield Wastewater Treatment Plant

Date:

3/27/2023 Rev 1 5/10/23

FAW Change Estimate No.: CE-27 Rev1

Description: WCD-08 - SBR Beam Support Change. The CE priicing below reflect Option B

pricing only. Rev. 1- Following futher clarifications in memo response to CE-027,

and discussions with CES and CW.

	DESCRI	PTION		MATERIAL	LABOR	SUB	LINE TOTAL	
1	General Conditions				\$170		\$170	
2	SBR Pipe Supports -	Option B		\$5,625		\$4,566	\$10,191	
3							\$0	
4							\$0	
5							\$0	
6							\$0	
7							\$0	
8							\$0	
9							\$0	
10							\$0	
11							\$0	
12							\$0	
13							\$0	
14							<b>\$0</b>	
15							<b>\$0</b>	
	SUB TOTALS #1	totaled across		\$5,625	\$170	\$4,566	\$10,361	
		Sales Tax	0.00%	\$0			\$0	
	SUB TOTALS #2	totaled across		\$5,625	\$170	\$4,566	\$10,361	
		Contingency	0.00%	\$0	\$0	\$0	\$0	
	Insuran	ce Requirements	0.00%	\$0	\$0	\$0	\$0	
	SUB TOTALS #3	totaled across		\$5,625	\$170	\$4,566	\$10,361	
	FAW (c	overhead & profit)	10.00%	\$563	\$17	\$457	\$580	
	SUB TOTALS #4	totaled across		\$6,188	\$187	\$5,023	\$11,397	
		Insurance/Bond	0.000%	is bond requi	red (yes/no) ?:	Yes	\$0.00	
	TOTAL							

# **Scope Clarifications and Exclusions**

1



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 3/24/2023

FAW Change Estimate No.: CE-024 - Pump Station Changed Wall Steel

Description: During the submittal review process the reviewing egineer made changes to all

the slab dowels and wall steel changing sizes from #6's to #7's, vertical reinforcing revised from #7 @ 9" to #9 @ 6" and added an internal wall beam mid depth of the 24" North and South walls. RFI-134 has been submitted asking

for confirmation on these changes.

	DESCRIPTION		MATERIAL	LABOR	SUB	LINE TOTAL			
1	General Conditions			\$687		\$687			
2	P.S. Change in Reinforcing Size & Added	d Beam Steel	\$3,628	\$1,104		\$4,732			
3						\$0			
4						\$0			
5						\$0			
6						\$0			
7						\$0			
8						\$0			
9						\$0			
10						\$0			
11						\$0			
12						\$0			
13						\$0			
14						\$0			
15						\$0			
	SUB TOTALS #1 totaled across		\$3,628	\$1,791	\$0	\$5,419			
	Sales Tax	0.00%	\$0			\$0			
	SUB TOTALS #2 totaled across		\$3,628	\$1,791	\$0	\$5,419			
	Contingency	0.00%	\$0	\$0	\$0	\$0			
	Insurance Requirements	0.00%	\$0	\$0	\$0	\$0			
	SUB TOTALS #3 totaled across		\$3,628	\$1,791	\$0	\$5,419			
	FAW (overhead & profit)	10.00%	\$363	\$179	\$0	\$542			
	SUB TOTALS #4 totaled across		\$3,991	\$1,970	\$0	\$5,961			
	Insurance/Bond	0.000%	is bond requir	red (yes/no) ?:	Yes	\$0.00			
	TOTAL								

# **Scope Clarifications and Exclusions**

Travis Hempfling

3|24|2023

## GENERAL REQUIREMENTS / CONDITIONS

Project: Greenfield Wastewater Treatment Plant		_	Date:	3/24/23 1:38 PM	
Work scope: General Conditions	Months:	Weeks:	Cale	endar Days:	Work Days:

				MA	TERIAL	L	ABOR	SERVICE/	SUBCONTRACT	LINE	TEM TOTALS
CODE #	LINE ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	MATERIAL DOLLARS	UNIT PRICE	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS
	General Conditions / Staffing										
	Project Executive / Ops Manager										
	Project Manager	1	hr	\$0.00		\$85.00	\$85			\$85.00	\$
	Assistant Project Manager		hr	\$0.00		\$70.00	\$140			\$70.00	\$1
	Project Engeneer		hr	\$0.00		\$60.00					
	General Superintendent										
	Ironworker Superintendent	6	hr	\$0.00		\$77.00	\$462			\$77.00	\$4
	Safety Manager / Coordinator		hr	\$0.00		\$70.00					
	Quality Manager		hr	\$0.00		\$70.00					
	Admin Assistant										
	VP of Preconstruction Services										
	Preconstruction Manager										
	Senior Estimator										
	Estimator										
	BIM / VDC Engineer										
_	Scheduling Manager		$\vdash$								
_	Office Trailer(s)		$\vdash$								
_	Office Trailer Set-up & Tear Down	1									
_	Office Equipment & Supplies		$\vdash$								
_	Phones / Internet / Computers		Ш								
_	Monthly Power for Trailer(s)		$\vdash$								
_	Drinking Water		Ш								
	Furniture in Trailer(s)										
	Plans / Reprographics										
_	Travel / Lodging										
	Procore Project Management										
	General Requirements										
	Initial Benchmark and Surveying										
	Temporary Fencing & Maintenance										
	Concrete Jersey Barriers for Fence										
	Temporary Gravel (Staging / Road)										
	Utility Locates / Vac Truck										
	Buck Hoist										
	Hoisting: Tower Crane										
	Scaffolding										
	Temporary Stairs										
	Street Sweeper										
	General Project Cleaning										
	Final Cleaning										
	Safety Training										
	Dumpsters										
	Temporary Restrooms										
	Temporary Heat During Construction										
	Temporary Water Hookup										
	Temporary Electrical Hookup										
	Temporary Generator										
*	Electrical Usage During Construction										
*	Water Usage During Construction										
	Temporary Enclosures/Protection										
	Temporary Sidewalks		Ш								
	Temporary Signage		Ш								
	Traffic Control		Ш								
	Gate Security	1	Щ.								
	Construction Camera		Ш								
	Dewatering		Ш								
	Permits & Fees		Ш								
	Trucking										
	Small Tools		Ш								
			Щ								
	TOTALS				\$0		\$687		\$0		\$
	Add Sales Tax on Material (yes/no	?):	NO	0.00%	exempt						ex
					\$0						

project: Greenfield Wastewater Treatment Plant

due date:

work scope: CE-024 - Pump Station Changed Wall Steel

calc date: 3/24/23 1:38 PM

				MATER	IAL / EQUIP					LABO	R				SERVICI	E/SUBCONTRACT	LINE ITE	M TOTALS
CODE#	LINE ITEM DESCRIPTION	ITEM QUANT	ΠΤΥ		MATERIAL	Ор	erator	La	borer	Iron	worker					SERVICE OR		LINEITEM
				UNIT	OR EQUIP	\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$69.00		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SUBCONTRACT	UNIT PRICE	LINE ITEM TOTAL
					DOLLARS	RATE	HOURS	RATE	HOURS	RATE	HOURS	COMP RATE		DOLLARS	THIOL	DOLLARS	FRIOL	DOLLARS
	1	QUANTITY	UNIT	PRICE	DULLARS							TOMIT RATE				DULLARS		
	Normal Lauria Dahan (40 507 Lh)				00.545		0		0		40		40	04.404		<b>#</b> 0		04.040
	Nucor Harris Rebar (12,537 Lb)	1	l LS	\$3,515.00	\$3,515		0		0		16	0.06	16	\$1,104		\$0	\$4,619.00	\$4,619
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	_		-															
	Misc Small Tools	1	l LS	\$113.00	\$113		0		0		0	0.00	0	\$0		\$0	\$113.00	\$113
	Wilde Official 100is		LO	φ113.00	ψΠΟ		0		0		U	0.00	U	φυ		φυ	ş113.00	ψ113
	TOTALS				\$3,628		0		0		16		16	\$1,104		\$0		\$4,732
	add sales tax on material	(yes/no ?):	no	0.00%	exempt													exempt
					\$3,628								addition OK	addition OK	l			addition OK
													audition OK	audition OK	l			audition UK



Project # - Name: Greenfield Wastewater Treatment Plant

Date:

6/22/2023

FAW Change Estimate No.: CE-0421Admin Building Window Change to Aluminum Windows

Description: Per conversation with Nick Dezelan (Greenfield Wastewater Utility Manager) on 4/24/2023, the following pricing is to replace the Admin Building Pella Windows

with Aluminum Operatble and Storefront Windows.

	DESCRIPTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions			\$170	305	
2	Pella Windows - Credit		<b> </b>	3170	(\$27.5CO)	\$170
3	Aluminum Window Replacement - Store	front & Operational	<del> </del>		(\$37,562)	(\$37,562)
4	The state of the s	mont a Operational	<del> </del> -		\$62,230	\$62,230
5			<b></b>			\$0
6			<u></u>			\$0
7			<b></b>			\$0
8				-		\$0
9						\$0
10						\$0
11						<b>\$</b> 0
						\$0
12						\$0
13						\$0
14						\$0
15						\$0
	SUB TOTALS #1 totaled across		\$0	\$170	\$24,668	\$24,838
	Sales Tax	0.00%	\$0			\$0
- [	SUB TOTALS #2 totaled across		\$0	\$170	\$24,668	\$24,838
	Contingency	0.00%	\$0	\$0	\$0	\$0
ļ	Insurance Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3 totaled across		\$0	\$170	\$24,668	\$24,838
	FAW (overhead & profit)	10.00%	\$0	\$17	\$2,467	\$17
	SUB TOTALS #4 totaled across		\$0	\$187	\$27,135	\$27,322
Į	Insurance/Bond	0.000%	is bond requi	red (yes/no) ?:	Yes	\$0.00
	TOTAL		************	**************		\$27,322

**Scope Clarifications and Exclusions** 

20
S
Construction
Wilhelm
F.A.

1 0/1

addition DK

addition OK

Change Estimate w. Summary R1v 1 19.21

ESTIMATE PRICING WORKSHEET	
	i
	٠

Greenfield Wastewater Treatment Plant project: work scope;

			LINE ITEM TOTALS		TOTAL DOLLARS				\$37,562.00 (\$37,562)					OF THE PERSON NAMED IN																						(\$37,562)	exempl
	6/22/23 4:01 PM		SERVICE/SUBCONTRACT LI	SERVICE OR	_	DOLLARS			(\$37,562)																											(\$37,562)	
due date:		I.	SER		URS PRICE				<b>307,562.37</b>																		+	-		+						20	
<del>-</del>	3		-		RS DOLLARS				-		+	† †			+				1	+							+			+	+			+			
			-	TOT	HOURS			4	0.00		+	-		1					+	<u> </u>				+	+		+			+				1		0	
			-	Carpenters Ar= \$63.80	HDVRS	717			·		-									<del> </del>			+							+	<del> </del>		+			0	
		OUBY I	Š   -	"	-2	-			<u> </u>		+		$\Box$						1				1	1					1	-			1				
				\$/hr= \$50.61	RATE HOURS	-	+	+			<u> </u>		 	+	-		E.	1	-	<u> </u>			-	+		+			+					-		0	
				\$63.97	HOURS			0		+	+		+									+	+							-		+	-		1/2	0	
			L	\$.mc \$63.	RATE													+										+									1
	ndows	MATERIAL / EQUIP	MATERIA	OREQUIP	DOLLARS																															Se exempt	So
	Juminum Wil	MATE		5	UNIT		  -			1						1		<u> </u>																		0.00%	
int Plant	v Change to A		ITEM DUANTITY		CUANTITY			-115		-							-								1	+		-								as/na ?); no	
Greenileid wastewater Treatment Plant	CE-042. Admin Building Window Change to Aluminum Windows		LINE ITEM DESCRIPTION				Credit	Pella - Fiberglass Windows																											STATOT	add sales tax on material (yes/no ?):	
hoject	work scope		CODE #						† 		1	+					-		+					+	+		+	<del> </del>		+	+			+			

Change Estimate w\_Summary R1v 1.19.21

**ESTIMATE PRICING WORKSHEET** 

6/22/23 4:01 PM

due date: calc date;

project: Greenfield Wastewater Treatment Plant

work scope: CE-042 Admin Building Window Change to Aluminum Windows

			F	ANATEDIA	MATERIAL LEGITOR								113		10000				
				MAIERIA	L) EQUIP					LABOR	_			_		SERVICE/SL	SERVICE/SUBCONTRACT	LINE ITEM TOTALS	TOTALS
# 3000	LINE ITEM DESCRIPTION	TIEM QUANTITY		UNET	MATERIAL OR EQUIP	From S.fhr≋	neother	Chr. 64	***	Carpenter	enthy.		TOTAL		_		SERVICE OR		LINETTEM
		QUANTITY	DMT.		DOLLARS	RATE	HOURS	L	HOURS	RATE	1	COMP RATE	HOURS	DOLLARS	RS .	PRICE	UBCONTRACT	UNIT	TOTAL
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+	The Lazzaro Companies		H									T		+	t				
	Aluminum Windows Replacement - Storefront and Operational	-	5				c												
	Aluminum Operational Window - Color Match - Black	-					0		3	$\top$	3	00:0	0	+		***	\$60,000	\$60,000.00	\$60,000
	Name Internal Color		3				5	$\dagger$	8	†	0	0.00	0	+	20	\$2,230.00	\$2,230	\$2,230.00	\$2,230
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	add sales tax on material (yes/no?);	ss/no ?): no		%00.0	exempl		,		,		,		2	ł	2		\$62,230		\$62,230
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Project # - Name: Greenfield Wastewater Treatment Plant

Date: 6/14/2023

FAW Change Estimate No.: CE-044 - WCD-015 - SBR Baffle Box Drains

Description: Per WCD 15 this pricing is for the addition of a 4" drain line with flap gate to the

(4) SBR Baffle Boxes.

	DESCRI	PTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions	}			\$225		\$225
2	F.W. Wilhelm			\$2,349	\$458		\$2,807
3							\$0
4							\$0
5							\$0
6							\$0
7							\$0
8							\$0
9							\$0
10							\$0
11							\$0
12							\$0
13							\$0
14							\$0
15							\$0
	SUB TOTALS #1	totaled across		\$2,349	\$683	\$0	\$3,032
		Sales Tax	0.00%	\$0			\$0
	SUB TOTALS #2	totaled across		\$2,349	\$683	\$0	\$3,032
		Contingency	0.00%	\$0	\$0	\$0	\$0
	Insuran	ce Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totaled across		\$2,349	\$683	\$0	\$3,032
	FAW (d	overhead & profit)	10.00%	\$235	\$68	\$0	\$303
	SUB TOTALS #4	totaled across		\$2,584	\$751	\$0	\$3,335
		Insurance/Bond	0.000%	is bond requir	red (yes/no) ?:	Yes	\$0.00
	TOTAL						\$3,335

## **Scope Clarifications and Exclusions**

(4) 4" @ 1' Sch. 80 PVC Wall Pipes Flange x Plain End

2 (4) 4" Cast Iron Flap Valve with Bronze Seat - Epoxy Coated

3 4

1

5

project: Greenfield Wastewater Treatment Plant

due date:

calc date: 6/14/23 10:03 AM

work scope: Added Drains to SBR Baffle Boxes

			MATER	IAL / EQUIP					LABO	)R				SERVIC	E/SUBCONTRACT	LINE ITE	M TOTALS
CODE#	LINE ITEM DESCRIPTION	ITEM QUANTIT	Y	MATERIAL	Ope	erators	La	borer	Car	penters					SERVICE OR		
			UNIT	OR EQUIP	\$/hr=		\$/hr=		\$/hr=			TOTAL	LABOR	UNIT	SUBCONTRACT	UNIT	LINE ITEM TOTAL
					RATE	HOURS	RATE	HOURS	RATE	HOURS	Ī	HOURS	DOLLARS	PRICE		PRICE	DOLLARS
		QUANTITY	UNIT PRICE	DOLLARS	KAIE	поика	RAIL	поика	KAIE	HOURS	COMP RATE				DOLLARS		
	4" x 1' Sch. 80 PVC Pipe	20				0		0		0	0.00	0	\$0		\$0	\$7.75	\$155
	4" Sch. 80 PVC Van Stone Flange	4		\$150		0		0		0	0.00	0	\$0		\$0	\$37.50	\$150
	4" Flange Bolt Set	4		\$180		0		0		0	0.00	0	\$0		\$0	\$45.00	\$180
	4" Flanged Flap Valve - Cast Iron	4	ea \$449.00	\$1,796		0		0		0	0.00	0	\$0		\$0	\$449.00	\$1,796
		ļ.,,															
	Labor to Install Wall Pipe (1 hr per)	1	hr			0		0		4	0.25	4	\$255		\$0	\$255.20	\$255
	Labor to Install Flap Gate (1 hr per)	1	_			0		4		0	0.25	4	\$202		\$0	\$202.44	\$202
	Labor to install Flap Gate (1111 per)	- '	11			U		4		U	0.25	4	φ202		φυ	\$202.44	\$202
					1												
		+	_								-						
		+															
	Small Tools	+ 4		\$68		0		0		0	0.00	0	60		\$0	***	\$68
-	Small Tools	1	LS \$68.43	\$08		U		U		0	0.00	0	\$0		\$0	\$68.00	\$08
<u> </u>			1														
	TOTALS	3		\$2,349		0		4		4		8	\$458		\$0		\$2,807
	add sales tax on material (yes/no ?):		no 0.00%														exempt
				\$2,349	1												
												addition OK	addition OK				addition OK



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 6/8/2023

FAW Change Estimate No.: CE-023.1 - RFI 85 - SBR Pipe Gallery Sump Pits

Description: Additional scope per response to RFI 85 of adding (2) 4'-0" diameter x 3'-5" deep

sump pump pits in the Northeast and Southeast corners of the SBR Pipe Gallery. This includes the added cost for the rebar and forming of the sump

pump pits.

	DESCRII	PTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions				\$295		\$295
2	Forming for SBR Pi	pe Gallery Sump	Pits	\$731	\$1,017		\$1,748
3	Rebar for SBR Pipe	Gallery Sump Pit	is	\$9,558	\$1,242		\$10,800
4	Equipment Rental	•		\$2,919	\$357		\$3,276
5	Credit for Precast S	Sump Basins		(\$2,038)	(\$586)		(\$2,624)
6		·					\$0
7							\$0
8							\$0
9							\$0
10							\$0
11							\$0
12							\$0
13							\$0
14							\$0
15							\$0
	SUB TOTALS #1	totaled across		\$11,170	\$2,325	\$0	\$13,495
		Sales Tax	0.00%	\$0			\$0
	SUB TOTALS #2	totaled across		\$11,170	\$2,325	\$0	\$13,495
		Contingency	0.00%	\$0	\$0	\$0	\$0
	Insuran	ce Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totaled across		\$11,170	\$2,325	\$0	\$13,495
	FAW (o	verhead & profit)	10.00%	\$1,117	\$233	\$0	\$1,350
	SUB TOTALS #4	totaled across		\$12,287	\$2,558	\$0	\$14,845
		Insurance/Bond	0.000%	is bond requir	red (yes/no) ?:	Yes	\$0.00
	TOTAL						\$14,845

## **Scope Clarifications and Exclusions**

Travis Hempfling

6|8|2023

project: Greenfield Wastewater Treatment Plant

due date:

work scope: Forming for SBR Pipe Gallery Sump Pits

calc date: 6/8/23 2:44 PM

				MATERI	AL / EQUIP					LABO	R				SERVIC	E/SUBCONTRACT	LINE ITE	M TOTALS
CODE#	LINE ITEM DESCRIPTION	ITEM QUANT	ITY		MATERIAL	Ope	erators	La	borer	Carr	enters					SERVICE OR		
				UNIT	OR EQUIP	\$/hr=		\$/hr=		\$/hr=			TOTAL	LABOR	UNIT	SUBCONTRACT	UNIT	LINE ITEM TOTAL
						RATE	HOURS	RATE	HOURS	RATE	HOURS		HOURS	DOLLARS	PRICE		PRICE	DOLLARS
		QUANTITY	UNIT	PRICE	DOLLARS	KAIL	HOURS	NATE	HOUKS	KAIL	пооко	COMP RATE				DOLLARS		
	Sump Pits Added in Pour #3																	
	Labor																	
	Keith Brown (Layout)	2	2 hrs				0		2		0	1.00	2	\$101		\$0	\$50.61	\$101
	Miguel Gonzales (Carpenter)		hrs				0		0		4	1.00	4	\$255		\$0	\$63.80	\$255
	Willy Brown (Laborer)	3	hrs				0		3		0	1.00	3	\$152		\$0	\$50.61	\$152
	Material																	
	4' x 4' diameter Sona Tube	4	ft	\$53.53	\$214				0		0	0.00	0	\$0		\$0	\$53.50	\$214
	4x8 sheet of plywood		ea	\$35.12	\$35		0		0		0	0.00	0	\$0		\$0	\$35.00	\$35
	Coil Rod Ties		ea	\$6.48	\$65		0		0		0	0.00	0	\$0		\$0	\$6.50	\$65
	1/2" Coil Rod	30	) ft	\$1.20	\$36		0		0		0	0.00	0	\$0		\$0	\$1.20	\$36
	Sump Pits Added in Pour #4																	
	Labor																	
	Keith Brown (Layout)		2 hrs				0		2		0	1.00	2	\$101		\$0	\$50.61	\$101
	Miguel Gonzales (Carpenter)		hrs				0		0		4	1.00	4	\$255		\$0	\$63.80	\$255
	Willy Brown (Laborer	3	B hrs				0		3		0	1.00	3	\$152		\$0	\$50.61	\$152
	Material																	
	4' x 4' diameter Sona Tube		ft	\$53.53	\$214		0		0		0	0.00	0	\$0		\$0	\$53.50	\$214
	4x8 sheet of plywood		ea	\$35.12	\$35		0		0		0	0.00	0	\$0		\$0	\$35.00	\$35
	Coil Rod Ties		ea 💮	\$6.48	\$65		0		0		0	0.00	0	\$0		\$0	\$6.50	\$65
	1/2" Coil Rod	30	) ft	\$1.20	\$36		0		0		0	0.00	0	\$0		\$0	\$1.20	\$36
			1															
			1															
		1	1															
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	Small Tools	1	ls	\$30.51	\$31		0		0		0	0.00	0	\$0		\$0	\$31.00	\$31
		1					<u> </u>		<u> </u>									
	TOTALS				\$731		0		10		8		18	\$1,017		\$0		\$1,748
	add sales tax on material	(yes/no?):	no	0.00%	exempt				·				<u> </u>					exempt
					\$731								1100 000	100	1			1100
													addition OK	addition OK				addition OK

project: Greenfield Wastewater Treatment Plant

due date:

work scope: Rebar for SBR Pipe Gallery Sump Pits

calc date: 6/8/23 2:44 PM

				MATER	RIAL / EQUIP					LABO	R				SERVICE	SUBCONTRACT	LINE ITE	M TOTALS
CODE #	LINE ITEM DESCRIPTION	ITEM QUANT	ITY		MATERIAL	Iron	workers	La	aborer	Ca	rpenter					SERVICE OR		
				UNIT	OR EQUIP	\$/hr=		\$/hr=		\$/hr=			TOTAL	LABOR	UNIT	SUBCONTRACT	UNIT	LINE ITEM TOTAL
						RATE	HOURS	RATE	HOURS	RATE	HOURS		HOURS	DOLLARS	PRICE		PRICE	DOLLARS
		QUANTITY	UNIT	PRICE	DOLLARS	TOTIL	Hooko	IGAIL	HOUNG	IUAIL	поско	COMP RATE				DOLLARS		
	Nucor - Harris Rebar	1	ls	\$9,280.00	\$9,280		0		0		0	0.00	0	\$0		\$0	\$9,280.00	\$9,280
	Sump Pits Added in Pour #3																	
	Labor																	
	Michael Zachary (Ironworker)		hrs hrs				2		0		0	1.00	2	\$138		\$0	\$69.00	\$138
	Brandon Ripperger (Ironworker)		hrs				2		0		0	1.00	2	\$138		\$0	\$69.00	\$138
	Jesus Hernandez (Ironworker)		hrs				2		0		0	1.00	2	\$138		\$0	\$69.00	\$138
	Javier Ramirez (Ironworker)	2	hrs				2		0		0	1.00	2	\$138		\$0	\$69.00	\$138
	0 8" 411 11 8 "1		++															
	Sump Pits Added in Pour #4		1															
	Labor	_																
	Brandon Ripperger (Ironworker)		hrs				2		0		0	1.00	2	\$138		\$0	\$69.00	\$138
	Clint Bledsoe (Ironworker)		hrs				2		0		0	1.00	2	\$138		\$0	\$69.00	\$138
	Jesus Hernandez (Ironworker)		hrs hrs				2		0		0	1.00	2	\$138		\$0	\$69.00	\$138
	Bradon Bischoff (Ironworker)		hrs				2		0		0	1.00	2	\$138		\$0	\$69.00	\$138
	Joe Nelson (Ironworker)	2	hrs				2		0		0	1.00	2	\$138		\$0	\$69.00	\$138
			1															
			++															
	0 117 1	ļ .	+		40				_									00
	Small Tools	1 1	ls	\$278.40	\$278		0		0		0	0.00	0	\$0		\$0	\$278.00	\$278
			1															
	TOTALS				\$9,558		18		0		0		18	\$1,242		\$0		\$10,800
	add sales tax on material (	(yes/no ?):	no	0.00%	exempt		·				·			<del></del>	_	- <del></del>		exempt
[					\$9,558								T	T	1			
													addition OK	addition OK	J			addition OK

project: Greenfield Wastewater Treatment Plant due date:

work scope: Equipment Rental calc date: 6/8/23 2:44 PM

				MATER	IAL / EQUIP					LABO	R				SERVICE	SUBCONTRACT	LINE IT	TEM TOTALS
CODE #	LINE ITEM DESCRIPTION	ITEM QUAN	TITY		MATERIAL	Ope	erators	La	borer	Carp	oenters					SERVICE OR		
				UNIT	OR EQUIP	\$/hr=		\$/hr=		\$/hr=			TOTAL	LABOR	UNIT	SUBCONTRACT	UNIT PRICE	LINE ITEM TOTAL
						RATE	HOURS	RATE	HOURS	RATE	HOURS		HOURS	DOLLARS	PRICE		PRICE	DOLLARS
		QUANTITY	UNIT	PRICE	DOLLARS							COMP RATE				DOLLARS		
	Sump Pits Added in Pour #3																	
	Equipment						_		_									
	308 Mini Excavator		2 hrs	\$616.01	\$1,232		2		0		0	1.00	2	\$128		\$0	\$679.97	\$1,360
	Plate Compactor	<u> </u>	1 hr	\$64.57	\$65		0		1		0	1.00	1	\$51		\$0	\$115.61	\$116
	Sump Pits Added in Pour #4																	
	Equipment																	
	308 Mini Excavator		2 hrs	\$616.01	\$1,232		2		0		0	1.00	2	\$128		\$0	\$679.97	\$1,360
	Plate Compactor		1 hr	\$64.57	\$65		0		1		0	1.00	1	\$51		\$0	\$115.61	\$116
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	Small Tools		1 Is	\$77.82	\$78		0		0		0	0.00	0	\$0		\$0	\$78.00	\$78
<u> </u>	TOTALS				\$2,672		4		2		0		6	\$357		\$0		\$3,029
<u> </u>	add sales tax on material		yes	9.25%	\$247											·	•	\$247
	total including sales tax	X			\$2,919													\$3,276
													addition OK	addition OK	]			addition OK

project: Greenfield Wastewater Treatment Plant

due date:

work scope: C

Credit for Precast Sump Basins

calc date: 6/8/23 2:44 PM

				MATER	IAL / EQUIP					LABO	ıR				SERVICE	SUBCONTRACT	LINE IT	EM TOTALS
CODE #	LINE ITEM DESCRIPTION	ITEM QUANTI	IΤΥ		MATERIAL	Оре	rators	La	borer	Carp	penters					SERVICE OR		LINE ITEM
				UNIT	OR EQUIP	\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$63.80		TOTAL	LABOR	UNIT PRICE	SUBCONTRACT	UNIT PRICE	TOTAL
						RATE	HOURS	RATE	HOURS	RATE	HOURS	COMP RATE	HOURS	DOLLARS	PRICE		PRICE	DOLLARS
	1	QUANTITY	UNIT	PRICE	DOLLARS							COMPRATE				DOLLARS		
					(4.4)													(**)
	36x36 Roll Top Poly Basin	-2	ea	\$338.52	(\$677)		0		0		0	0.00	0	\$0		\$0	\$338.50	(\$677)
	Labor		-											(0.5.4)		40		(0.54)
	Keith Brown (Layout)	-1	hrs				0	1.00	-1		0	1.00	-1	(\$51)		\$0	\$50.61	(\$51)
	Carpenter		hrs				0		0	1.00		1.00	-4	(\$255)		\$0	\$63.80	(\$255)
	Laborer	-4	hrs				0	4.00	-1		0	4.00	-1	(\$51)		\$0	\$12.65	(\$51)
	Equipment																	
	308 Mini Excavator	-2	hrs	\$616.01	(\$1,232)		-2		0		0	1.00	-2	(\$128)		\$0	\$679.97	(\$1,360)
	Plate Compactor		hr	\$64.57	(\$129)		0		-2		0	1.00	-2	(\$101)		\$0	\$115.11	(\$230)
		_	$\vdash$															
$\vdash$	<u> </u>	1	$\vdash$															
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			$\vdash$															
		1																
	TOTAL				(\$2,038)		-2		-4		-4		-10	(\$586)		\$0		(\$2,624)
	add sales tax on materia		yes	0.00%	\$0													\$0
	total including sales to	ax			(\$2,038)									1				(\$2,624)
													addition OK	addition OK	]			addition OK



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 6/2/2023

FAW Change Estimate No.: CE-0043 - WCD No. 14 - Headworks and Sludge Bldg - Plumbing Changes

Description:

Pricing per WCD No. 14 in regards to the Headworks and Sludge Building Plumbing revisions. This pricing includes the material and labor associated with

the addition of the Thermostatic Mixing Valve for the Emergency Eyewash/Shower in the Sludge Dewatering Building per RFI 106.

	DESCRIPTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions			\$155		\$155
2	Freitag-Weinhardt, Inc				\$4,098	\$4,098
3	F.A. Wilhelm		\$231	\$51		\$282
4						\$0
5						\$0
6						\$0
7						\$0
8						\$0
9						\$0
10						\$0
11						\$0
12						\$0
13						\$0
14		"				\$0
15						\$0
	SUB TOTALS #1 totaled acros	_	\$231	\$206	\$4,098	\$4,535
	Sales Ta	ax 0.00%	\$0			\$0
	SUB TOTALS #2 totaled acros	s	\$231	\$206	\$4,098	\$4,535
	Contingen	cy 0.00%	\$0	\$0	\$0	\$0
	Insurance Requiremen	ts 0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3 totaled acros	s	\$231	\$206	\$4,098	\$4,535
	FAW (overhead & prof	it) 10.00%	\$23	\$21	\$410	\$44
	SUB TOTALS #4 totaled acros		\$254	\$227	\$4,508	\$4,989
	Insurance/Bor	o.000%	is bond requi	red (yes/no) ?:	Yes	\$0.00
	TOTAL					\$4,989

## **Scope Clarifications and Exclusions**

5

Travis Hempfling 61

project: Greenfield Wastewater Treatment Plant due date:

work scope: F.A. Wilhelm calc date: 6/2/23 2:14 PM

					MATER	RIAL / EQUIP					LABO	R				SERVICE	SUBCONTRACT	LINE ITE	M TOTALS
CODE #		LINE ITEM DESCRIPTION	ITEM QUANTI	ITY		MATERIAL	Оре	erators	La	borer	Carp	enters					SERVICE OR		LINE ITEM
					UNIT	OR EQUIP	\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$63.80		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SUBCONTRACT	UNIT PRICE	TOTAL
			QUANTITY	UNIT	PRICE	DOLLARS	RATE	HOURS	RATE	HOURS	RATE	HOURS	COMP RATE	HOURS	DOLLARS		DOLLARS		DOLLARS
			QUANTITI	UNIT	FRICE	DOLLARO											DOLLARO		
		Reducing Coupler	1	ea	\$231.11	\$231		0		1		0	1.00	1	\$51		\$0	\$281.61	\$282
		12" SDR 35 to 6" Sch. 40 DWV	<u>'</u>	ca	Ψ231.11	ΨΖΟΊ		0		•			1.00		ΨΟΊ		ΨΟ	Ψ201.01	ΨΖΟΖ
			-								_								
	-																		
-																			
	t																		
		TOTALS				\$231		0		1		0		1	\$51		\$0		\$282
		add sales tax on material (y	/es/no ?):	no	0.00%	exempt													exempt
					_	\$231									,	1			
														addition OK	addition OK				addition OK



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 6/2/2023

FAW Change Estimate No.: CE-026 - Septage Receiving Facility - Foundation Changes

Description: Per RFI 137 response from the EOR this includes the changes to the Septage

Receiving Facility structural design drawing S6-1 to match the Process Drawings. Increased the overall size of the pad from 10' x 6' to 16'-6" x 8' with 1' tall x 8"

wide wall around three sides.

	DESCRI	PTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions				\$225		\$225
2	Nucor Harris Rebar			\$1,492	\$552		\$2,044
3	F.A. Wilhelm Concr	rete		\$1,288	\$3,190		\$4,478
4							\$0
5							\$0
6							\$0
7							\$0
8							\$0
9							\$0
10							\$0
11							\$0
12							\$0
13							\$0
14							\$0
15							\$0
	SUB TOTALS #1	totaled across		\$2,780	\$3,967	\$0	\$6,747
		Sales Tax	0.00%	\$0			\$0
	SUB TOTALS #2	totaled across		\$2,780	\$3,967	\$0	\$6,747
		Contingency	0.00%	\$0	\$0	\$0	\$0
	Insuran	ce Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totaled across		\$2,780	\$3,967	\$0	\$6,747
	FAW (o	verhead & profit)	10.00%	\$278	\$397	\$0	\$675
	SUB TOTALS #4	totaled across		\$3,058	\$4,364	\$0	\$7,422
		Insurance/Bond	0.000%	is bond requir	red (yes/no) ?:	Yes	\$0.00
	TOTAL						\$7,422

## **Scope Clarifications and Exclusions**

- 1 Added rebar and installation due to upsizing of the structure as called out above.
- 2 Added formwork material and labor due to the upsizing of the structure as called out above.
- 3 Added concrete material and labor to place and finish due to upsizing of the structure as called out above.

4 5

# GENERAL REQUIREMENTS / CONDITIONS

Project: Greenfield Wastewater Treatment Plant		_	Date:	6/2/23 7:30 AM	
Work scope: General Conditions	Months:	Weeks:	Calen	ndar Days:	Work Days:

				MA	TERIAL	L	ABOR	SERVICE/S	SUBCONTRACT	LINE I	TEM TOTALS
CODE #	LINE ITEM DESCRIPTION	ITEM QUANT	ITY	UNIT	MATERIAL	UNIT	LABOR	UNIT	SERVICE OR SUBCONTRACT	UNIT	LINE ITEM TOTAL
		QUANTITY	UNIT	PRICE	DOLLARS	PRICE	DOLLARS	PRICE	DOLLARS	PRICE	DOLLARS
	General Conditions / Staffing										
	Project Executive / Ops Manager										
	Project Manager		hr	\$0.00		\$85.00	\$85			\$85.00	\$85
	Assistant Project Manager	2	hr	\$0.00		\$70.00	\$140			\$70.00	\$140
	Project Engeneer	1	hr	\$0.00		\$60.00					
	General Superintendent Ironworker Superintendent	1	l I								
	Safety Manager / Coordinator	-	hr	\$0.00 \$0.00		\$77.00 \$70.00					
	Quality Manager	+	hr hr	\$0.00		\$70.00					
	Admin Assistant		"	ψ0.00		Ψ10.00					
	VP of Preconstruction Services	1									
	Preconstruction Manager										
	Senior Estimator										
	Estimator										
	BIM / VDC Engineer										
	Scheduling Manager										
	Office Trailer(s)	1	$\sqcup$								
	Office Trailer Set-up & Tear Down		$\vdash$								
	Office Equipment & Supplies Phones / Internet / Computers	1	$\vdash$								
	Monthly Power for Trailer(s)	1	$\vdash$								
	Drinking Water	1	$\vdash$								
	Furniture in Trailer(s)		+								
	Plans / Reprographics	1									
	Travel / Lodging										
	Procore Project Management										
	General Requirements										
	Initial Benchmark and Surveying										
	Temporary Fencing & Maintenance	1									
	Concrete Jersey Barriers for Fence										
	Temporary Gravel (Staging / Road)										
	Utility Locates / Vac Truck										
	Buck Hoist										
	Hoisting: Tower Crane										
	Scaffolding										
	Temporary Stairs	+									
	Street Sweeper General Project Cleaning										
	Final Cleaning	1									
	Safety Training										
	Dumpsters	1									
	Temporary Restrooms	İ									
	Temporary Heat During Construction					_					
	Temporary Water Hookup										
	Temporary Electrical Hookup										
	Temporary Generator	1	$\sqcup$								
*	Electrical Usage During Construction		$\vdash$								
*	Water Usage During Construction	1	$\vdash$								
_	Temporary Enclosures/Protection Temporary Sidewalks	-	$\vdash$								
	Temporary Sidewalks Temporary Signage	1	$\vdash$								
	Traffic Control	1	$\vdash$								
	Gate Security	1									
	Construction Camera	1									
	Dewatering										
	Permits & Fees										
	Trucking					_					
	Small Tools										
	TOTALS				\$0		\$225		\$0		\$225
	Add Sales Tax on Material (yes/no	2).	NO	0.00%			<b>\$</b> 225		φυ		exemp
	Aud Gales Tax Off Material (yes/110	: ).	INU	0.00%	exempt \$0					ĺ	exemp
					ΦU						ii

project: Greenfield Wastewater Treatment Plant

due date:

work scope: CE-026 - Septage Receiving Facility - Foundation Changes

calc date: 6/2/23 7:30 AM

				MATERI	AL / EQUIP	LABOR SERVICE/SUBCONTRACT LINE ITEM 1									// TOTALS			
CODE#	LINE ITEM DESCRIPTION	ITEM QUANTI	TY		MATERIAL		erator		borer		worker					SERVICE OR		LINE ITEM
				UNIT	OR EQUIP	\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$69.00		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SUBCONTRACT	UNIT PRICE	TOTAL
		QUANTITY	UNIT	PRICE	DOLLARS	RATE	HOURS	RATE	HOURS	RATE	HOURS	COMP RATE				DOLLARS		DOLLARS
	Nucor Harris Rebar (962 Lb)	1	LS	\$1,475.00	\$1,475		0		0		8	0.13	8	\$552		\$0	\$2,027.00	\$2,027
	+																	
	_																	
	Misc Small Tools	1	LS	\$16.56	\$17		0		0		0	0.00	0	\$0		\$0	\$17.00	\$17
	TOTALS				\$1,492		0		0		8		8	\$552		\$0		\$2,044
	add sales tax on material	(yes/no ?):	no	0.00%	exempt			•										exempt
					\$1,492							1						
													addition OK	addition OK			Į	addition OK

project: Greenfield Wastewater Treatment Plant

due date:

work scope: CE-026 - Septage Receiving Facility - Foundation Changes

calc date: 6/2/23 7:30 AM

				MATER	RIAL / EQUIP		LABOR SERVICE/SUBCONTRACT LINE ITEM T										M TOTALS	
CODE#	LINE ITEM DESCRIPTION	ITEM QUANTI	TY		MATERIAL	Fir	isher	Lal	borer	Carp	penters					SERVICE OR		
				UNIT	OR EQUIP	\$/hr=	\$59.24	\$/hr=	\$50.61	\$/hr=	\$63.80		TOTAL	LABOR	UNIT	SUBCONTRACT	UNIT	LINE ITEM
						RATE	HOURS	RATE	HOURS	RATE	HOURS		HOURS	DOLLARS	PRICE		PRICE	TOTAL DOLLARS
<u> </u>		QUANTITY	UNIT	PRICE	DOLLARS							COMP RATE				DOLLARS		
	Forming - Added 72 sf	72	sf	\$2.73	\$197		0.00		18.00		34.00	1.38	52.00	\$3,080			\$45.52	\$3,277
	O				#005		4.00		4.00		0.00		0.00	0440		40		04.405
	Concrete - Added 6 cy	ь	су	\$165.83	\$995		1.00		1.00		0.00	3.00	2.00	\$110		\$0	\$184.14	\$1,105
$\vdash$																		
<del>                                     </del>																		
	Misc Small Tools	1	ls	\$95.70	\$96		0		0		0	0.00	0	\$0		\$0	\$96.00	\$96
	TOTALS				\$1,288		1		19		34		54	\$3,190		\$0		\$4,478
•	add sales tax on material (yes/no ?):		yes	0.00%	\$1,200		'		10		U-T		<b>О</b> Т	ψυ, 190		Ψ		\$0
}	total including sales tax		,	2.2370	\$1,288	1												\$4,478
L	total molading outpot tax				<b>\$1,200</b>								addition OK	addition OK				addition OK



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 6/28/2023

FAW Change Estimate No.: CE-014.1 Access Road Pole Lights Location Change

Description: Field Order #2 and RFI 109 - Directed the street lighting be moved from the West side of the entrance road to the East due to a conflict with the

existing water main. Added work includes Sawcuting across the main drive, excavaing out for the installaiton of the power and data lines for the gate operator conduits and pouring full depth concrete back to the

existing road surface.

	DESCRIPTION	<u> </u>	MATERIAL	LABOR	2112	
4			MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions			\$155		\$155
2	IEI - Install Conduits at (2) Road Crossin	gs			\$3,064	\$3,064
3	Saw Cutting & Patching		\$4,212	\$1,747	\$4,600	\$10,559
4						\$0
5						\$0
6						\$0
7						\$0
8						\$0
9						\$0
10						\$0
11						\$0
12						\$0
13	<u> </u>					\$0
14						\$0
15						\$0
	SUB TOTALS #1 totaled across		\$4,212	\$1,902	\$7,664	\$13,778
	Sales Tax	7.00%	\$295			\$295
	SUB TOTALS #2 totaled across		\$4,507	\$1,902	\$7,664	\$14,073
	Contingency	0.00%	\$0	\$0	\$0	\$0
	Insurance Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3 totaled across		\$4,507	\$1,902	\$7,664	\$14,073
Į	FAW (overhead & profit)	10.00%	\$451	\$190	\$766	\$641
	SUB TOTALS #4 totaled across		\$4,958	\$2,092	\$8,430	\$15,480
Ĺ	Insurance/Bond	0.000%	is bond require	ed (yes/no) ?:	Yes	\$0.00
	TOTAL		*******	***************************************		\$15,480

Scope Clarifications and Exclusions

Jany Kermon 6/29/23

addepn OK addepn OK

ESTIMATE PRICING WORKSHEET

6/28/23 2:48 PM

due date calc date

Greenfield Wastewater Treatment Plant CE-014.1 Access Road Pole Lights Location Change

project work scope.

\$3,064 \$3,064 exempt LINE ITEM TOTAL DOLLARS LINE ITEM TOTALS \$3.064.00 Tage of \$3,064 SERVICE DR SUBCONTRACT \$3,064 SERVICE/SUBCONTRACT DOLLARS \$3.064.00 THE 2 8 LABOR TOTAL 0 8 Carpentars
Shr= 843.60
RATE HOURS RATE Laborer SA:01 HOURS 0 RATE Operators Shr: 543.97 HOURS 0 RATE \$0 sumpt MATERIAL OR EQUEP DOLLARS MATERIAL / EQUIP 7.00% Ĭ 20 ITEM CUAMITTY TOTALS LIMETERN DESCRIPTION add sales tax on material (yes/no ?); IEI - Install Power & Fiber Conduits 0 3000

F.A. Withelm Construction Co., Inc.

6/28/23 2:48 PM

calc date: due date:

Greenfield Wastewater Treatment Plant project:

work scope:

CE-014.1 Access Road Pole Lights Location Change

35 0 0 0 0 0 0				MATE	MATERIAL / EQUIP					LABOR					SERVICE	SERVICE/SUBCONTRACT	I INF ITE	I INF ITEM TOTALS
Comparison   Com	# 3000	UNE ITEM DESCRIPTION	ITEM QUANTITY	_	MATERIAL	ô	or effects	ode.	N. St.	S. Carrie	crepro			n-speed		SERVICE OR		
1   1   1   1   1   1   1   1   1   1				TIMO	OR EQUIP	SAICE		\$Ahr=	\$50.61	SAL			TOTAL	LABOR	UMIT	SUBCONTRACT	Det.	LINETTEM
1   15   15   15   15   15   15   15					DOLLARS	RATE	HOURS	RATE	HOURS	RATE	HOURS	COMP RATE	HOURS	DOLLARS	PRICE	0011406	PRICE	DOLLARS
1   1   1   1   1   1   1   1   1   1	+																	
1   1   2   2   2   2   2   2   2   2	+													wdur				
1   15   15   15   15   15   15   15	+	Saw Cutting	1 [.5				0		0		0	0.00	0	80	$\vdash$		\$600.00	\$600
1   1   1   1   1   1   1   1   1   1		Hydrovac	115				C	†	at	1	c	1		-relate	_			
1   1.5   \$550.00   \$550.00   \$550.00   0   0   0   0   0   0   0   0   0							>	+	2		3	90:00	٩	2810			\$4,809.78	\$4,810
1   15   1500.00   \$500   0   0   0   0   0   0   0   0   0		Haul Off	113	Н	\$950		0		0		0	0.00	0			02	000000	0000
1   15   \$500.00   \$500   0   0   0   0   0   0   0   0   0	+												,			2	no ocse	OCR*
W/ fuel         2         16 c/molecular         \$150.00         \$2,560         0         16 c/molecular         \$810         \$0         \$20.00           W/ fuel         2         HR         \$150         2         100         2         \$128         \$0         \$150.00           W/ fuel         2         HR         \$150         2         10         2         \$128         \$0         \$150.00	+	Road Plates	1 LS	Н	\$500		0		0		0	00.0	0	0\$		\$0	\$500.00	\$500
W/fuel 2 HR \$75.00 \$150 2 1.00 2 \$128 50 \$138.07  W/fuel 2 HR \$75.00 \$150 2 1.00 2 \$128 50 \$138.07  W/fuel 2 HR \$75.00 \$150 2 1.00 2 \$128 50 \$138.07  I LS \$52.41 \$55 2 0 0 0 0 0 0 0 0 \$0 \$5 0 \$22.00  TOTALS \$4.212 2 32 0 34 \$1,747 \$4.600 8	+	Control	4	4	0									-				
W/ fuel         2 HR         \$150         \$158         \$0         \$13897           TOTALS         \$4,212         \$2         \$100         2         \$128         \$0         \$13897           Including safes tax         \$4,512         \$2         \$2         \$1,747         \$4,600         \$2         \$2         \$2,600         \$2         \$2         \$2         \$2         \$2         \$2         \$2         \$2	+	College	10 01	4	\$2,560		0	+	16	7	0	1.00	16	\$810		\$0	\$210.61	\$3,370
TOTALS \$4.212 2 32 0 34 \$1,747 \$4,600   34 \$1,747   34,600   34   31,747   34,600   34   31,747   34,600   34   31,747   34,600   34   31,747   34,600   34   31,747   34,600   34   31,747   34,600   34   31,747   34,600   34   31,747   34,600   34   31,747   34,600   34   31,747   34,600   34   31,747   34,600   34   31,747   34,600   34   31,747   34,600   34   3	+	320 Loader W/ fuel	2 BH C	$\perp$	6150		c	†		†				1				
TOTALS \$52.41 \$552 0 0 0 0 0 0 0 0 \$50 \$52.00    TOTALS \$4,212 2 32 0 34 \$1,747 \$4,600    Including sales tax	-			╀	200		7	†	1	†	1	8	2	\$128		\$0	\$138.97	\$278
TOTALS \$52.41 \$52 0 0 0 0 0 0 0 0 \$0 \$52.00   \$2.00   \$2.00   \$2.00   \$2.00   \$2.00   \$2.00   \$3.747   \$4,600   \$3.52.00								†	T	1		1						
TOTALS \$52.41 \$52 0 0 0 0 0 0 0 0 \$0 \$52.00   \$2.00								$\dagger$		1			T					
TOTALS \$52.41 \$52 0 0 0 0 0 0 0 \$0 \$52 00 \$52.00 \$17.47 \$52.00 \$10 \$1.747 \$4,600 \$10 \$10 \$1.747 \$2.00 \$10 \$1.747 \$2.00 \$10 \$1.747 \$2.00 \$10 \$10.00 \$10 \$1.747 \$2.00 \$10 \$10.00 \$10 \$1.747 \$2.00 \$10 \$10.00 \$10 \$10.00 \$10 \$10.00 \$10 \$10.00 \$10 \$10.00 \$10 \$10.00 \$10 \$10.00 \$10 \$10.00 \$10 \$10.00 \$10 \$10.00 \$10 \$10.00 \$10 \$10.00								+			T							
TOTALS \$4,212 2 32 0 0 0.00 0 50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50								†		T		<u> </u>		44				
TOTALS \$52.41 \$52 0 0 0 0 0 0 0 0 \$0 \$52 00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$52.00 \$0 \$0 \$0.00 \$0 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0 \$0.00 \$0 \$0 \$0.00 \$0 \$0 \$0.00 \$0 \$0 \$0.00 \$0 \$0.00 \$0 \$0 \$0.00 \$0 \$0 \$0.00 \$0 \$0 \$0.00 \$0 \$0 \$0.00 \$0 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0 \$0.00 \$0.00 \$0 \$0.00 \$0.00 \$0.00 \$0 \$0.0	+													-at annu				
TOTALS \$52.41 \$52 0 0 0 0 0 0 0 0 \$0 \$52.00	+																	
TOTALS \$52.41 \$52.4 \$50.5 \$0 0.00 0 0.00 \$0 \$50.5 \$0 \$52.00 \$0 \$52.00 \$0 \$1.747 \$4,600 \$0 \$52.00 \$0 \$1.747 \$4,600 \$0 \$52.00 \$0 \$0.00	+	Series Tools	4	4														C. C. C.
\$4,212         2         32         0         34         \$1,747         \$4,600           yes         7.00%         \$2.295         32         0         34         \$1,747         \$4,600	+	2000	- [2	1	764		0	+	٥	1	0	0.00	0	20		80	\$52.00	\$52
yes 7,00% \$285 \$ 32 0 34 \$1,747 \$4,600 yes 7,00% \$285 \$4,507		TOTALE					4									AE	281	The state of the s
yes 7.00% \$295 \$4.507 addition DK		20:01			717'54		,		35		0		34	\$1,747		\$4.600		\$10.559
\$4.507 addition DK addition DK		add sales tax on material (y	- 1															2002
addition DK		total including sales tax			\$4,507													E40 BE4
													addition OK	addition Ok				20000



Project # - Name: Greenfield Wastewater Treatment Plant

Date: 7/5/2023

FAW Change Estimate No.: CE-040. 1 - WCD No. 12 - UV Upper Slab Changes

Description: Pricing per WCD No. 12 on the UV Structure Upper Slab Changes to add beams

and extend the elevated slabs.

	DESCRI	PTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions	1			\$505		\$505
2	Nucor Harris Rebar			\$4,021	\$1,035		\$5,056
3	F.A. Wilhelm - Con	crete Forming		\$1,296	\$7,513		\$8,809
4							\$0
5							\$0
6							\$0
7							\$0
8							\$0
9							\$0
10							\$0
11							\$0
12							\$0
13							\$0
14							\$0
15							\$0
	SUB TOTALS #1	totaled across		\$5,317	\$9,053	\$0	\$14,370
		Sales Tax	0.00%	\$0			\$0
	SUB TOTALS #2	totaled across		\$5,317	\$9,053	\$0	\$14,370
		Contingency	0.00%	\$0	\$0	\$0	\$0
	Insuran	ce Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totaled across		\$5,317	\$9,053	\$0	\$14,370
	FAW (c	overhead & profit)	10.00%	\$532	\$905	\$0	\$1,437
	SUB TOTALS #4	totaled across		\$5,849	\$9,958	\$0	\$15,807
		Insurance/Bond	0.000%	is bond requir	red (yes/no) ?:	Yes	\$0.00
	TOTAL						\$15,807

## **Scope Clarifications and Exclusions**

- 1 Added F3 Spread Footing and P1.67B Pedestal in Column Line 3.
- Added BM1, BM2, BM3 and BM4 in the Northwest Section of Elevated Slab and Reduced Slab thickness to 10"
- 3 Added BM2 to Southwest Section of Elevated Slab

4 5

project: Greenfield Wastewater Treatment Plant

due date:

work scope: Nucor Harris Rebar

calc date: 7/5/23 3:03 PM

				MATERI	AL / EQUIP					LABO	R				SERVIC	E/SUBCONTRACT	LINE ITE	M TOTALS
CODE#	LINE ITEM DESCRIPTION	ITEM QUANT	TTY		MATERIAL		erator		borer	Iron	worker					SERVICE OR		LINE ITEM
				UNIT	OR EQUIP	\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$69.00		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SUBCONTRACT	UNIT PRICE	TOTAL
		QUANTITY	UNIT	PRICE	DOLLARS	RATE	HOURS	RATE	HOURS	RATE	HOURS	COMP RATE				DOLLARS		DOLLARS
	Nucor Harris Rebar (2809 Lb)	1	LS	\$3,990.00	\$3,990		0		0		15	0.07	15	\$1,035		\$0	\$5,025.00	\$5,025
			1 1															
			1 1															
			1															
			1 1															
			1 1															
			1 1															
			1 1															
					A													• • •
	Misc Small Tools	1	LS	\$31.05	\$31		0		0		0	0.00	0	\$0		\$0	\$31.00	\$31
							_		_									
	TOTALS add sales tax on material		no	0.00%	<b>\$4,021</b> exempt		0		0		15		15	\$1,035		\$0		\$5,056 exempt
	add sales tax si. Hidtorial	()-5,		0.0070	\$4,021												•	o.c.npt
	,			'									addition OK	addition OK				addition OK

project: Greenfield Wastewater Treatment Plant

work scope: F.A. Wilhelm Concrete calc date: 7/5/23 3:03 PM

				MATER	RIAL / EQUIP					LABO	R		-		SERVICE	SUBCONTRACT	LINE ITE	M TOTALS
CODE#	LINE ITEM DESCRIPTION	ITEM QUANTII	ΙΤΥ	_	MATERIAL	Fir	nisher	Lai	borer	Car	penter					SERVICE OR		
				UNIT	OR EQUIP	\$/hr=	\$59.24	\$/hr=	\$50.61	\$/hr=	\$63.80		TOTAL HOURS	LABOR DOLLARS	UNIT	SUBCONTRACT	UNIT PRICE	LINE ITEM TOTAL DOLLARS
		QUANTITY	UNIT	PRICE	DOLLARS	RATE	HOURS	RATE	HOURS	RATE	HOURS	COMP RATE	HOOKS	DOLLARS		DOLLARS		TOTAL DOLLARS
	Column Footing - F3 - 3'-0" x 3'-0" x 1'-0																	
	Forming	9	sf	\$2.20	\$20		0		2		4	1.50	6	\$356		\$0	\$41.82	\$376
	Concrete	0.33		\$150.00	\$50		n		1		0	0.33	1	\$51		\$0	\$304.88	\$101
	Concrete	0.55	Су	\$150.00	φυσ		U		- '		- 0	0.33	'	ψΟΙ		ΨΟ	\$304.00	φίσι
	Pedestal - P1.67B - 1'-0" x 1'-8" x 4'-0"																	
	Forming	1	ea	\$84.00	\$84		0		3		7	0.10	10	\$598		\$0	\$682.43	\$682
ļ	Concrete	0.25	су	\$150.00	\$38		0		1		0	0.25	1	\$51		\$0	\$354.44	\$89
-			$\vdash$															
	Elevated Slab																	
	Forming	165	sf	\$3.33	\$549		0		36		70	1.56	106	\$6,288		\$0	\$41.44	\$6,837
	Concrete	2	су	\$165.00	\$330		2		1		0	0.67	3	\$169		\$0	\$249.55	\$499
-																		
-																		
	Small Tools	1	LS	\$225.39	\$225		0		0		0	0.00	0	\$0		\$0	\$225.00	\$225
				<b>V</b>	7==-		-		,				-			7.	7-2-3-3-3	, , , , , , , , , , , , , , , , , , ,
	TOTALS				\$1,296		2		44		81		127	\$7,513		\$0		\$8,809
	add sales tax on material (yes/no ?):		yes	0.00%	\$0													\$0
	total including sales tax	(			\$1,296													\$8,809

due date: