

Recommended by Engineer (if required)

By: Mylena Pityga

Title: E.I.

Date: 07/19/2023

Authorized by Owner

By: _____

Title: _____

Date: _____

Accepted by Contractor

By: Sary Keyman

Title: Project Manager

Date: 7-20-23

Approved by Funding Agency
(if applicable)

By: _____

Title: _____

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
2	DI Pipe Interior Coating - Change to cement lined from Protecto 401				
1.00	Credit for Protecto 401 Lined DI Pipe	-1	LS	\$7,134,800.00	-\$7,134,800
2.00	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)	
102	Delete Masonry for Both Buildings	-1	LS	\$53,000.00	(\$53,000)	
103	Delete Interior Stairs (Two Total)	-1	LS	\$28,000.00	(\$28,000)	
104	Delete Rough Carpentry	-1	LS	\$21,200.00	(\$21,200)	
105	Delete Roofing	-1	LS	\$46,700.00	(\$46,700)	
106	Delete Plumbing/Floor Drains	-1	LS	\$8,200.00	(\$8,200)	
107	Delete HVAC	-1	LS	\$5,900.00	(\$5,900)	
108	Delete Electrical	-1	LS	\$21,900.00	(\$21,900)	
109	Remove Three Single Doors	-3	ea	\$1,700.00	(\$5,100)	
110	Remove Double Door	-1	LS	\$2,200.00	(\$2,200)	
111	Remove Two Coiling OH Doors	-2	ea	\$5,700.00	(\$11,400)	
112	David Crane Base on Top Deck - Both Ends (Not Shown on WCD Drawings, but suggested to removed materials from elevated deck).	2	ea	\$950.00	\$1,900	Revise to two bases.
113	Add Pipe Support Beams	0	ea	\$7,100.00	\$0	Deleted per MG 1/13/2023.
114	Add Pairs of Beam Embeds for Future Beams	5	ea	\$900.00	\$4,500	Increased to 5 for future use per MG 1/13/2023.
114.1	Add Pipe Saddles	0	ea	\$7,700.00	\$0	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.
117	Modification of 42" Exposed Piping - Effluent	1	LS	\$93,900.00	\$93,900	Added tee with a blind flange only (no valve).
118	Delete 42" Buried Piping	-1	LS	\$302,100.00	(\$302,100)	
119	Add 42" Buried Piping with 24" stub to grade with blind flange (no valve).	1	LS	\$333,300.00	\$333,300	Added 24" stubbed to just below grade and terminate with a blind flange (no valve).
120	Remove Mag Meter Vault	-1	LS	\$54,900.00	(\$54,900)	
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)	
123	Add Mag Meter Hatch - 96"x72"	1	LS	\$7,400.00	\$7,400	
124	Added Coatings for 24"/42" Piping	1	LS	\$6,000.00	\$6,000	Revised for 42" Stub, Valve, and both tees.
125	Add 24" Plug Valve - Exposed	0	ea	\$27,400.00	\$0	Blind flange only at tee.
126	Add 24" Plug Valve - Buried	0	ea	\$29,400.00	\$0	Blind flange only at tee.
127	Add 42" Butterfly Valve - Exposed	1	ea	\$32,200.00	\$32,200	
	Add WAS Sump to Sludge Storage					
200	Concrete	11	cys	\$700.00	\$7,700	
201	Reinforcing	4	tons	\$2,900.00	\$11,600	
	Relocation of WAS Sumps in SBR					
300	Reduction in 4" WAS Piping	-1	ls	\$26,500.00	(\$26,500)	
301	Coatings	-1	lf	\$4,000.00	(\$4,000)	
302	Electrical - with SBR Structures	1	LS	w/ Item 108	N/A	
	Remove Sludge Withdrawl Structure					
400	Delete Foundation, Walls, and Deck	-1	LS	\$28,000.00	(\$28,000)	
401	Delete Gates	-3	ea	\$9,000.00	(\$27,000)	
402	Heat Trace	1	ls	\$16,700.00	\$16,700	
403	Insulation	1	ls	\$23,000.00	\$23,000	
404	Valve/Piping Changes	1	ls	\$19,000.00	\$19,000	
					\$0	
	SUBTOTAL				-\$80,200	



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: dustinsimpson@industelectric.com
www.industelectric.com

File: 2228-190009



INDUSTRIAL ELECTRIC CHANGE ORDER SUMMARY

PROJECT NAME:	Greenfield WWTP	C.O. # :	190009
PROJECT NO:	2228	DATE:	23-Jan-23
	GENERAL CONTRACTOR: FA Wilhelm		
	DESCRIPTION OF CHANGE: See Scope Letter		
	RFI #23 - Aluminum Conduit & Fittings		

IEI Direct Costs

Additive Costs

		Hours	Worker Used		
A	Labor	-204.65	Field Labor		-\$14,090.48
		0.00	Project Manager		
		0.00	Safety Manager		
		0.00	Prefab Manager		
		0.00	Layout Design		
	Total Hours -	-204.65			
B	Material	<i>See Break Out On Next Sheet</i>			-\$139,609.59
C	Quotes	Description	Cost		\$0.00
D	Sales Tax	Percentage	0%		\$0.00
E	Equipment	Equipment Type	Weekly Cost	Number of Weeks	\$0.00
			\$0.00	0.00	
			\$0.00	0.00	\$0.00
F	Equipment Tax	Percentage	0%		\$0.00
G	Subtotal of Additive Cost				-\$153,700.07

Deductive Costs (use minus sign to denote negative figures)

		Hours	Worker Used	Labor Rate		
H	Labor			\$0.00		\$0.00
				\$0.00		\$0.00
	Total Hours -	0.00				
I	Material	<i>See Break Out On Next Sheet</i>			\$0.00	
J	Equipment	Equipment Type	Monthly Cost	Number of Months		\$0.00
			\$0.00	0.00		
			\$0.00	0.00	\$0.00	
K	Subtotal of Deductive Cost				\$0.00	
L	Total Direct Cost (E+I)				-\$153,700.07	
M	General Mark-up	Labor	Overhead	Profit		\$0.00
			0%	0%		
		Material	0%	0%		
		Equipment	0%	0%		
N	Total Direct Costs + Mark-up (Line L + M)				-\$153,700.07	

		Description	Cost		
O	Total Subcontractor Direct Costs				\$0.00

		Description	Overhead	Profit		
P	Mark-up on Subcontractor Direct Costs		0%	0%		\$0.00

Q Total Direct Costs + Mark-up (Line O + P) \$0.00

R Total Change Request (Line N + Q) -\$153,700.07

Note: Include detailed breakdown of material, labor and equipment cost for each trade.

To the best of my knowledge and belief, I certify that all costs listed above are correct.	
Dustin Simpson	1/23/2023
Contractor Signature	Date

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 - Pump Station					
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 - Headworks					
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 #5 - SBR					
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
Building #9 - Sludge 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		-\$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: dustinsimpson@industelectric.com
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



CHANGE ESTIMATE SUMMARY

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

	DESCRIPTION	MATERIAL	LABOR	SUB	LINE TOTAL	
1	General Conditions				\$0	
2	FAW (see attached breakdown	\$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
	Insurance Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3 totaled across		\$9,500	\$0	\$0	\$9,500
	FAW (overhead & profit)	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #4 totaled across		\$9,500	\$0	\$0	\$9,500
	Insurance/Bond	0.00%	is bond required (yes/no)?: Yes			\$0.00
TOTAL						\$9,500

Scope Clarifications and Exclusions

- 1 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 Spider Guides (Carbon Steel, Non-AIS)				
1.0	Purchase of CS Wall Sleeves	3	ea	\$916.67	\$2,750
2.0	Linkseals	3	ea	\$46.82	\$140
3.0	Added 14" pipe material to at N Wall to raise 2nd Penetration above Grade (Cl 877.41 vs 885.59).	8	lf	\$160.00	\$1,280
4.0	Non-AIS Bellows - Material (Carbon Steel Flanges)	2	ea	\$1,225.00	\$2,450
5.0	Spider Guides	0	ea	\$535.00	\$0
6.0	Credit for U-Bolts Eliminated by Spider Guides	0	ea	\$75.00	\$0
7.0	Installation of Guides (Additional Attachment to Wall)	0	ea	\$1,020.00	\$0
8.0	Installation of Bellows (Cut Pipe to Length, install guide rods, etc.)	2	ea	\$1,020.00	\$2,040
9.0	Markup	10	%	\$8,660.47	\$866
SUBTOTAL (Rounded to nearest \$100)					\$9,500

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.



CHANGE ESTIMATE SUMMARY

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. 5.

	DESCRIPTION		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
Insurance Requirements		0.00%	\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across			\$10,375	\$3,829	\$0	\$14,204
FAW (overhead & profit)		10.00%	\$1,038	\$383	\$0	\$1,420
SUB TOTALS #4 totaled across			\$11,413	\$4,212	\$0	\$15,624
Insurance/Bond		0.00%	is bond required (yes/no)?: Yes			\$0.00
TOTAL						\$15,624

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5

Travis Hempfling

3/20/2023



CHANGE ESTIMATE SUMMARY

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.

	DESCRIPTION		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
Insurance Requirements		0.00%	\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across			\$2,126	\$225	\$0	\$2,351
FAW (overhead & profit)		10.00%	\$213	\$23	\$0	\$235
SUB TOTALS #4 totaled across			\$2,339	\$248	\$0	\$2,586
Insurance/Bond		0.00%	is bond required (yes/no)?: Yes			\$0.00
TOTAL						\$2,586

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5

Travis Hempling

3/20/2023



CHANGE ESTIMATE SUMMARY

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.

	DESCRIPTION		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
Insurance Requirements		0.00%	\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across			\$3,105	\$155	\$0	\$3,260
FAW (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 required (yes/no)?: Yes			\$0.00
TOTAL						\$3,586

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5

Ray Korman
4/19/23

Travis Hempfling 3/15/2023
[Signature] 4/17/23

GENERAL REQUIREMENTS / CONDITIONS

Project: Greenfield Wastewater Treatment Plant

Date: 3/15/23 8:40 AM

Work scope: General Conditions Months: _____ Weeks: _____ Calendar Days: _____ Work Days: _____

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL		LABOR		SERVICE/SUBCONTRACT		LINE ITEM TOTALS	
		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	\$85
	Assistant Project Manager	1	hr	\$0.00		\$70.00	\$70			\$70.00	\$70
	Project Engineer		hr	\$0.00		\$60.00					
	General Superintendent										
	Superintendent		hr	\$0.00		\$85.00					
	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										
	Office Trailer(s)										
	Office Trailer Set-up & Tear Down										
	Office Equipment & Supplies										
	Phones / Internet / Computers										
	Monthly Power for Trailer(s)										
	Drinking Water										
	Furniture in Trailer(s)										
	Plans / Reprographics										
	Travel / Lodging										
	Procure 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										
	Temporary Signage										
	Traffic Control										
	Gate Security										
	Construction Camera										
	Dewatering										
	Permits & Fees										
	Trucking										
	Small Tools										
	TOTALS					\$0	\$155		\$0		\$155
	Add Sales Tax on Material (yes/no ?):		NO	0.00%		exempt					exempt
						\$0					
											addition OK

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: SBR Slab Pour #5 - Added 1/2 Bag Cement

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

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR						SERVICE/SUBCONTRACT		LINE ITEM TOTALS				
		QUANTITY	UNIT	UNIT PRICE	MATERIAL OR EQUIP DOLLARS	Operators		Laborer		Carpenters		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS	
						\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$63.80							
						RATE	HOURS	RATE	HOURS	RATE	HOURS							
	Shelby Materials																	
	F60260 - 6 Bag Cement Mix	1,035	cy	\$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	cy	\$144.00	(\$149,040)		0		0		0	0.00	0	\$0		\$0	\$144.00	(\$149,040)
TOTALS					\$3,105		0		0		0		0	\$0		\$0		\$3,105
add sales tax on material (yes/no ?): no 0.00%					exempt													exempt
					\$3,105													
												addition OK	addition OK			addition OK		



CHANGE ESTIMATE SUMMARY

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.

	DESCRIPTION	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
Insurance Requirements		0.00%	\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across		----	(\$28,606)	\$155	(\$1,025)	(\$29,476)
FAW (overhead & profit)		0.00%	\$0	\$0	\$0	\$0
SUB TOTALS #4 totaled across		----	(\$28,606)	\$155	(\$1,025)	(\$29,476)
Insurance/Bond		0.00%	is bond required (yes/no) ?:	Yes		\$0.00
TOTAL					(\$29,476)	

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5

Larry Keymon
4/19/23

ESL 4/19/23

Travis Hempfling

3/24/2023



BL ANDERSON

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) <i>Valve Tags: PV-575,576</i>	(\$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. <i>Order Code: PEF,6,F1,CI,NBR,CR,AIS-DTR-S30SC0*GS-6A-HD8</i>	\$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: dustinsimpson@industelectric.com
www.industelectric.com

File: 2228-190023

Meghan Pintozzi, EI

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, EI
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 <DerekDavidson@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 <IanPuckett@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

Al,

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,



CHANGE ESTIMATE SUMMARY

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.

	DESCRIPTION		MATERIAL	LABOR	SUB	LINE TOTAL	
1	General Conditions			\$85		\$85	
2	Storm Sewer N-TT Deletion		(\$15,599)	(\$4,583)		(\$20,182)	
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	totalled across	---	(\$15,599)	(\$4,498)	\$0	(\$20,097)
		Sales Tax	0.00%	\$0	---	---	\$0
	SUB TOTALS #2	totalled across	---	(\$15,599)	(\$4,498)	\$0	(\$20,097)
		Contingency	0.00%	\$0	\$0	\$0	\$0
		Insurance Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totalled across		(\$15,599)	(\$4,498)	\$0	(\$20,097)
		FAW (overhead & profit)	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #4	totalled across		(\$15,599)	(\$4,498)	\$0	(\$20,097)
		Insurance/Bond	0.00%	is bond required (yes/no) ?:		Yes	\$0.00
TOTAL							(\$20,097)

Scope Clarifications and Exclusions

- 1 Any Remediation work due to existing conditions
- 2
- 3
- 4
- 5

Gary Kymon
 4/11/23

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: CE-032 - WCD No. 10 - Storm Sewer N-TT Deletion

due date:
 calc date: 4/11/23 4:08 PM

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR						SERVICE/SUBCONTRACT		LINE ITEM TOTALS				
		QUANTITY	UNIT	UNIT PRICE	MATERIAL OR EQUIP DOLLARS	Operators		Laborer		Carpenters		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS	
						\$/hr=	\$/hr=	\$/hr=	\$/hr=									
						RATE	HOURS	RATE	HOURS	RATE	HOURS							
	WCD-10 Credit																	
	ST 210 Structure	-1	EA	\$988.26	(\$988)		0		0		0.00	0	\$0		\$0	\$988.00	(\$988)	
	Line N-TT - 24" RCP	-139	LF	\$41.23	(\$5,731)		0		0		0.00	0	\$0		\$0	\$41.23	(\$5,731)	
	ST 209 Outfall Structure	-1	EA	\$927.77	(\$928)		0		0		0.00	0	\$0		\$0	\$928.00	(\$928)	
	Riprap	-20	Ton	\$19.50	(\$390)		0		0		0.00	0	\$0		\$0	\$19.50	(\$390)	
	#8 Stone (include Hauling)	-158	Ton	\$19.75	(\$3,121)		0		0		0.00	0	\$0		\$0	\$19.75	(\$3,121)	
	Borrow (include hauling)	-17	Ton	\$18.75	(\$325)		0		0		0.00	0	\$0		\$0	\$18.75	(\$325)	
	Install	1	LS				-40		-40		-0.01	-80	(\$4,583)		\$0	(\$4,583.20)	(\$4,583)	
	Loader	-20	HR	\$50.63	(\$1,013)		0		0		0.00	0	\$0		\$0	\$50.65	(\$1,013)	
	Excavator	-20	HR	\$116.67	(\$2,333)		0		0		0.00	0	\$0		\$0	\$116.65	(\$2,333)	
	Fuel (6 gal/hr)	-240	Gal	\$3.21	(\$770)		0		0		0.00	0	\$0		\$0	\$3.21	(\$770)	
TOTALS					(\$15,599)		-40		-40		0		-80	(\$4,583)		\$0		(\$20,182)
add sales tax on material (yes/no ?): no					0.00%	exempt												exempt
					(\$15,599)													
												addition OK	addition OK					addition OK



CHANGE ESTIMATE SUMMARY

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 TOTAL
1	General Conditions		\$155		\$155
2	Added Masonry Accent Bands to P.S Stairwell, New Electrical, Sludge, & Headworks Buildings.			\$3,938	\$3,938
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		\$0	\$155	\$3,938	\$4,093
Sales Tax 0.00%		\$0			\$0
SUB TOTALS #2 totaled across		\$0	\$155	\$3,938	\$4,093
Contingency 0.00%		\$0	\$0	\$0	\$0
Insurance Requirements 0.00%		\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across		\$0	\$155	\$3,938	\$4,093
FAW (overhead & profit) 10.00%		\$0	\$16	\$394	\$16
SUB TOTALS #4 totaled across		\$0	\$171	\$4,332	\$4,502
Insurance/Bond 0.000%		is bond required (yes/no)?:		Yes	\$0.00
TOTAL					\$4,502

Scope Clarifications and Exclusions

- 1 Accent Bands for Sludge & Headworks Buildings assumed 5 courses down from top of wall.
- 2 Accent Bands for P.S. Stairwell & New Electrical Buildings assumed 4 courses down from top of wall.
- 3
- 4
- 5


 Gary Keymon
 5/1/23
 1 of 1

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: CE-031 Added Masonry Accent Band to All Buildings

due date:
 calc date: 4/27/23 12:44 PM

CODE #	LINE ITEM DESCRIPTION	REQ. QUANTITY		MATERIAL / EQUIP		LABOR						SERVICE/SUBCONTRACT		LINE ITEM TOTALS				
		QUANTITY	UNIT	UNIT	MATERIAL OR EQUIP DOLLARS	Operators		Laborer		Carpenters		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS	
						\$/hr	\$63.97	\$/hr	\$59.61	\$/hr	\$63.89							COMP RATE
	Added Masonry Accent Band to Pump Station Stairwell, New Electrical, Sludge, & Headworks Buildings	1	LS				0		0		0	0.00	0	\$0	\$3,938.00	\$3,938	\$3,938.00	\$3,938
TOTALS						\$0	0	0	0	0	0	\$0		\$3,938		\$3,938		
add sales tax on material (yes/no ?)				no	0.00%	example												example
						\$0												example

addition OK addition OK

addition OK



CHANGE ESTIMATE SUMMARY

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 Fence	\$1,220	\$317	\$12,325	\$13,862
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		\$1,220	\$462	\$12,325	\$14,007
Sales Tax 0.00%		\$0			\$0
SUB TOTALS #2 totaled across		\$1,220	\$462	\$12,325	\$14,007
Contingency 0.00%		\$0	\$0	\$0	\$0
Insurance Requirements 0.00%		\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across		\$1,220	\$462	\$12,325	\$14,007
FAW (overhead & profit) 10.00%		\$122	\$46	\$1,233	\$168
SUB TOTALS #4 totaled across		\$1,342	\$508	\$13,558	\$15,408
Insurance/Bond 0.00%		is bond required (yes/no)?: Yes			\$0.00
TOTAL					\$15,408

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5

[Signature] 5/1/23
[Signature] 4/26/23

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 #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR						TOTAL HOURS	LABOR DOLLARS	SERVICE/SUBCONTRACT		LINE ITEM TOTALS				
		QUANTITY	UNIT	UNIT	MATERIAL OR EQUIP DOLLARS	Operators		Laborer		Carpenters				COMP RATE	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS		
						\$/hr=	\$/hr=	\$/hr=	\$/hr=											
						RATE	HOURS	RATE	HOURS	RATE	HOURS									
	Capitol City Fence	1	LS				0		0		0	0.00	0	\$0	\$11,750.00	\$11,750	\$11,750.00	\$11,750		
	Fence Removal Removal	1	LS				1		1			0.50	2	\$115		\$0	\$114.58	\$115		
	Excavator	1	HR	\$116.67	\$117		0		0		0	0.00	0	\$0		\$0	\$117.00	\$117		
	Fuel (6 gal/hr)	12	Gal	\$3.21	\$39		0		0		0	0.00	0	\$0		\$0	\$3.25	\$39		
	Stump Grinding Service	1	LS				0		0		0	0.00	0	\$0	\$575.00	\$575	\$575.00	\$575		
	Hydrovac Truck	4	HR	\$258.00	\$1,024		0		2		0	2.00	2	\$101		\$0	\$281.31	\$1,125		
	Stump Grindings - Clean Up	1	LS				0		2		0	0.50	2	\$101		\$0	\$101.22	\$101		
	Small Tools / Fence Materials	1	LS	\$40.00	\$40		0		0		0	0.00	0	\$0		\$0	\$40.00	\$40		
TOTALS					\$1,220		1		5		0		6	\$317		\$12,325		\$13,882		
add sales tax on material (yes/no ?):				yes	7.00%	\$11														\$85
total including sales tax					\$1,231														\$13,947	
														addition OK	addition OK			addition OK		

Meghan Pintozzi, EI

From: Davidson, Derek <DerekDavidson@fawilhelm.com>
Sent: Friday, January 27, 2023 7:27 AM
To: Steve Dugan
Cc: Al Stong, PE; Meghan Pintozzi, EI; 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 <DerekDavidson@fawilhelm.com>

Cc: Al Stong, PE <astong@contactcei.com>; Meghan Pintozzi, EI <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 <DerekDavidson@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, EI <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

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

FAWilhelm.com



From: Steve Dugan <sdugan@contactcei.com>

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

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

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

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





CHANGE ESTIMATE SUMMARY

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.

	DESCRIPTION	MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions		\$155		\$155
2	Industrial Electric (IEI)			\$137,005	\$137,005
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		\$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
Insurance Requirements 0.00%		\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across		\$0	\$155	\$137,005	\$137,160
FAW (overhead & profit) 10.00%		\$0	\$16	\$13,701	\$16
SUB TOTALS #4 totaled across		\$0	\$171	\$150,706	\$150,876
Insurance/Bond 0.00%		is bond required (yes/no)?:		Yes	\$0.00
TOTAL					\$150,876

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5

Gary Klyman
5/5/23

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: WCD-003 - Owner Requested Future IT Conduits

due date:
 calc date: 5/5/23 3:52 PM

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR						SERVICE/SUBCONTRACT		LINE ITEM TOTALS					
		QUANTITY	UNIT	UNIT	MATERIAL OR EQUIP DOLLARS	Operators		Laborer		Carpenters		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS		
						\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$43.80								
						RATE	HOURS	RATE	HOURS	RATE	HOURS								
	Industrial Electric (IEI)	1	LS				0		0		0	0.00	0	\$0	\$137,005.00	\$137,005	\$137,005.00	\$137,005	
TOTALS					\$0		0		0		0		0	\$0	\$137,005		\$137,005		
add sales tax on material (yes/no?):				no	0.00%	exempt													
					\$0														
												addon OK	addon OK						



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

PROJECT NAME: <u>Greenfield WWTP</u>	C O. #: <u>190014</u>
PROJECT NO: <u>2228</u>	
GENERAL CONTRACTOR: <u>FA Wilhelm</u>	DATE: <u>28-Apr-23</u>
DESCRIPTION OF CHANGE: <u>See Scope Letter</u>	
<u>WCD #003 - Customer Spare Conduits</u>	
<u>Excludes GPL Conduits</u>	

IEI Direct Costs

Additive Costs

A	Labor	Hours <u>935.27</u>	Worker Used <u>Field Labor</u>		<u>\$84,711.91</u>
		Total Hours - 935.27			
B	Material	See Break Out On Next Sheet			<u>\$45,769.02</u>
C	Quotes	Description	Cost		<u>\$0.00</u>
			<u>\$0.00</u>		
D	Sales Tax	Percentage <u>0%</u>			<u>\$0.00</u>
E	Equipment	Equipment Type	Weekly Cost	Number of Weeks	<u>\$0.00</u>
			<u>\$0.00</u>	<u>0.00</u>	
			<u>\$0.00</u>	<u>0.00</u>	
F	Equipment Tax	Percentage <u>0%</u>			<u>\$0.00</u>
G	Subtotal of Additive Cost				<u>\$130,480.93</u>

Deductive Costs (use minus sign to denote negative figures)

H	Labor	Hours	Worker Used	Labor Rate	
				<u>\$0.00</u>	<u>\$0.00</u>
				<u>\$0.00</u>	
		Total Hours - 0.00			
I	Material	See Break Out On Next Sheet			<u>\$0.00</u>
J	Equipment	Equipment Type	Monthly Cost	Number of Months	<u>\$0.00</u>
			<u>\$0.00</u>	<u>0.00</u>	
			<u>\$0.00</u>	<u>0.00</u>	
K	Subtotal of Deductive Cost				<u>\$0.00</u>

L Total Direct Cost (L+I) \$130,480.93

M	General Mark-up		Overhead	Profit	
		Labor	<u>0%</u>	<u>5%</u>	<u>\$6,524.05</u>
		Material	<u>0%</u>	<u>5%</u>	
		Equipment	<u>0%</u>	<u>5%</u>	

N Total Direct Costs + Mark-up (Line L + M) \$137,004.98

O	Total Subcontractor Direct Costs	Description	Cost		
					<u>\$0.00</u>

P	Mark-up on Subcontractor Direct Costs	Description	Overhead	Profit	
			<u>0%</u>	<u>6%</u>	<u>\$0.00</u>

O Total Direct Costs + Mark-up (Line O + P) \$0.00

R Total Change Request (Line N + O) \$137,004.98

Note: Include detailed breakdown of material, labor and equipment cost for each trade

To the best of my knowledge and belief, I certify that all costs listed above are correct.	
<i>Dustin Simpson</i> Contractor Signature	4/28/2023 Date

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		
CLEAR PRIMER QT	2		
2 PVC 40 90 ELBOW	2		
2 PVC COUPLING	4		
2 PVC FEMALE ADPT	4		
4" DUCT SPACERS	52		
2 GRC/PVC RECESSED PLUG	4		
Existing N To Headworks (Fiber)		\$7,149.83	144.08
2 GRC/PVC COATED	20		
2 GRC/PVC COUP	8		
2 GRC/PVC 36" LR 90D ELBOW	4		
2 GRC/PVC LB BODY	2		
2 PVC 40	1540		
CLEAR PRIMER QT	2		
2 PVC 40 90 ELBOW	6		
2 PVC COUPLING	12		
2 PVC FEMALE ADPT	4		
1 DOLLAR MATERIAL (CORE DRILL)	400		
1 HOUR LABOR (CORE DRILL)	4		
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		
2 GRC/PVC LB BODY	4		
2 PVC 40	620		
CLEAR PRIMER QT	2		
2 PVC 40 90 ELBOW	6		
2 PVC COUPLING	12		
2 PVC FEMALE ADPT	4		
1 DOLLAR MATERIAL (CORE DRILL)	800		
1 HOUR LABOR (CORE DRILL)	4		
4" DUCT SPACERS	78		
2 GRC/PVC RECESSED PLUG	4		
Sludge To Headworks (Fiber)		\$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		



CHANGE ESTIMATE SUMMARY

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 TOTAL
1	General Conditions		\$155		\$155
2	Industrial Electric (IEI)			\$4,174	\$4,174
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		\$0	\$155	\$4,174	\$4,329
Sales Tax 0.00%		\$0			\$0
SUB TOTALS #2 totaled across		\$0	\$155	\$4,174	\$4,329
Contingency 0.00%		\$0	\$0	\$0	\$0
Insurance Requirements 0.00%		\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across		\$0	\$155	\$4,174	\$4,329
FAW (overhead & profit) 10.00%		\$0	\$16	\$417	\$16
SUB TOTALS #4 totaled across		\$0	\$171	\$4,591	\$4,762
Insurance/Bond 0.00%		is bond required (yes/no)?:		Yes	\$0.00
TOTAL					\$4,762

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5

Dary Keymon
5/5/23



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

PROJECT NAME: Greenfield WWTP C.O. #: 190018
 PROJECT NO: 2228
 GENERAL CONTRACTOR: FA Wilhelm DATE: 15-Mar-23
 DESCRIPTION OF CHANGE: See Scope Letter
RFI #68 - Exhaust Fan #14 Power

IEI Direct Costs

Additive Costs

	Hours	Worker Used	
A Labor	19.17	Field Labor	\$1,774.90
	2.00	Project Manager	
	0.00	Safety Manager	
Total Hours - 21.17			
B Material	See Break Out On Next Sheet		\$2,066.34
C Quotes	\$0.00		\$0.00
	\$0.00		
D Sales Tax	Percentage 0%		\$0.00
E Equipment	Scissor Lift	\$125.00	1.00
	\$0.00	\$0.00	0.00
F Equipment Tax	Percentage 7%		\$8.75
G Subtotal of Additive Cost			\$3,974.99

Deductive Costs (use minus sign to denote negative figures)

	Hours	Worker Used	Labor Rate													
H Labor	0.00		\$0.00	\$0.00												
	0.00		\$0.00													
Total Hours - 0.00																
I Material	See Break Out On Next Sheet			\$0.00												
J Equipment	\$0.00	\$0.00	0.00	\$0.00												
	\$0.00	\$0.00	0.00													
K Subtotal of Deductive Cost				\$0.00												
L Total Direct Cost (E+I)				\$3,974.99												
M General Mark-up	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <th></th> <th>Overhead</th> <th>Profit</th> </tr> <tr> <td>Labor</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">5%</td> </tr> <tr> <td>Material</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">5%</td> </tr> <tr> <td>Equipment</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">5%</td> </tr> </table>				Overhead	Profit	Labor	0%	5%	Material	0%	5%	Equipment	0%	5%	\$198.75
	Overhead	Profit														
Labor	0%	5%														
Material	0%	5%														
Equipment	0%	5%														
N Total Direct Costs + Mark-up (Line L + M)				\$4,173.74												

	Description	Cost	
O Total Subcontractor Direct Costs	\$0.00		\$0.00

	Description	Overhead	Profit	
P Mark-up on Subcontractor Direct Costs	\$0.00	0%	0%	\$0.00

O Total Direct Costs + Mark-up (Line O + P) \$0.00

R Total Change Request (Line N + Q) \$4,173.74

Note: Include detailed breakdown of material, labor and equipment cost for each trade.

To the best of my knowledge and belief, I certify that all costs listed above are correct.

Dustin Simpson
Contractor Signature
3/15/2023
Date

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



CHANGE ESTIMATE SUMMARY

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 pricing below reflect Option B pricing only. Rev. 1- Following futher clarifications in memo response to CE-027, and discussions with CES and CW.

	DESCRIPTION	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					\$0	
15					\$0	
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
Insurance Requirements		0.00%	\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across			\$5,625	\$170	\$4,566	\$10,361
FAW (overhead & profit)		10.00%	\$563	\$17	\$457	\$580
SUB TOTALS #4 totaled across			\$6,188	\$187	\$5,023	\$11,397
Insurance/Bond		0.00%	is bond required (yes/no)?: Yes			\$0.00
TOTAL					\$11,397	

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5



CHANGE ESTIMATE SUMMARY

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 engineer 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 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		0.00%	is bond required (yes/no)?: Yes			\$0.00
TOTAL						\$5,961

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5

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: _____ Calendar Days: _____ Work Days: _____

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL		LABOR		SERVICE/SUBCONTRACT		LINE ITEM TOTALS	
		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	\$85
	Assistant Project Manager	2	hr	\$0.00		\$70.00	\$140			\$70.00	\$140
	Project Engineer		hr	\$0.00		\$60.00					
	General Superintendent										
	Ironworker Superintendent	6	hr	\$0.00		\$77.00	\$462			\$77.00	\$462
	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										
	Office Trailer(s)										
	Office Trailer Set-up & Tear Down										
	Office Equipment & Supplies										
	Phones / Internet / Computers										
	Monthly Power for Trailer(s)										
	Drinking Water										
	Furniture in Trailer(s)										
	Plans / Reprographics										
	Travel / Lodging										
	Procure 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										
	Temporary Signage										
	Traffic Control										
	Gate Security										
	Construction Camera										
	Dewatering										
	Permits & Fees										
	Trucking										
	Small Tools										
	TOTALS				\$0		\$687		\$0		\$687
	Add Sales Tax on Material (yes/no ?):	NO		0.00%	exempt						exempt
					\$0						
											addition OK

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: CE-024 - Pump Station Changed Wall Steel

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

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR						SERVICE/SUBCONTRACT		LINE ITEM TOTALS			
		QUANTITY	UNIT	UNIT PRICE	MATERIAL OR EQUIP DOLLARS	Operator		Laborer		Ironworker		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS
						\$/hr= \$63.97	\$/hr= \$50.61	\$/hr= \$69.00	COMP RATE								
						RATE	HOURS	RATE		HOURS	RATE						
	Nucor Harris Rebar (12,537 Lb)	1	LS	\$3,515.00	\$3,515					16	0.06	16	\$1,104		\$0	\$4,619.00	\$4,619
	Misc Small Tools	1	LS	\$113.00	\$113					0	0.00	0	\$0		\$0	\$113.00	\$113
TOTALS					\$3,628					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			addition OK	



CHANGE ESTIMATE SUMMARY

Project # - Name: Greenfield Wastewater Treatment Plant

Date: 6/22/2023

FAW Change Estimate No.: CE-042 | Admin 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		\$170
2	Pella Windows - Credit			(\$37,562)	(\$37,562)
3	Aluminum Window Replacement - Storefront & Operational			\$62,230	\$62,230
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	\$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
	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
	Insurance/Bond 0.00%				
		is bond required (yes/no)?:		Yes	\$0.00
	TOTAL				\$27,322

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5



CHANGE ESTIMATE SUMMARY

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.

	DESCRIPTION		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
Insurance Requirements		0.00%	\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across			\$2,349	\$683	\$0	\$3,032
FAW (overhead & profit)		10.00%	\$235	\$68	\$0	\$303
SUB TOTALS #4 totaled across			\$2,584	\$751	\$0	\$3,335
Insurance/Bond		0.00%	is bond required (yes/no)?: Yes			\$0.00
TOTAL						\$3,335

Scope Clarifications and Exclusions

- 1 (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
- 5

Travis Hempfling 6/14/2023



CHANGE ESTIMATE SUMMARY

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.

	DESCRIPTION		MATERIAL	LABOR	SUB	LINE TOTAL	
1	General Conditions			\$295		\$295	
2	Forming for SBR Pipe Gallery Sump Pits		\$731	\$1,017		\$1,748	
3	Rebar for SBR Pipe Gallery Sump Pits		\$9,558	\$1,242		\$10,800	
4	Equipment Rental		\$2,919	\$357		\$3,276	
5	Credit for Precast 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	totalled across	-----	\$11,170	\$2,325	\$0	\$13,495
		Sales Tax	0.00%	\$0	-----	-----	\$0
	SUB TOTALS #2	totalled across	-----	\$11,170	\$2,325	\$0	\$13,495
		Contingency	0.00%	\$0	\$0	\$0	\$0
		Insurance Requirements	0.00%	\$0	\$0	\$0	\$0
	SUB TOTALS #3	totalled across		\$11,170	\$2,325	\$0	\$13,495
		FAW (overhead & profit)	10.00%	\$1,117	\$233	\$0	\$1,350
	SUB TOTALS #4	totalled across		\$12,287	\$2,558	\$0	\$14,845
		Insurance/Bond	0.00%	is bond required (yes/no)?: Yes			\$0.00
	TOTAL					\$14,845

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5

Traavis Hempling 6/8/2023

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: Forming for SBR Pipe Gallery Sump Pits

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

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR						SERVICE/SUBCONTRACT		LINE ITEM TOTALS			
		QUANTITY	UNIT	UNIT PRICE	MATERIAL OR EQUIP DOLLARS	Operators		Laborer		Carpenters		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS
						\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$63.80						
						RATE	HOURS	RATE	HOURS	RATE	HOURS						
	Sump Pits Added in Pour #3																
	Labor																
	Keith Brown (Layout)	2	hrs				0		2	0	1.00	2	\$101		\$0	\$50.61	\$101
	Miguel Gonzales (Carpenter)	4	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	0.00	0	\$0		\$0	\$53.50	\$214
	4x8 sheet of plywood	1	ea	\$35.12	\$35		0		0	0	0.00	0	\$0		\$0	\$35.00	\$35
	Coil Rod Ties	10	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)	4	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	0.00	0	\$0		\$0	\$53.50	\$214
	4x8 sheet of plywood	1	ea	\$35.12	\$35		0		0	0	0.00	0	\$0		\$0	\$35.00	\$35
	Coil Rod Ties	10	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
	Small Tools	1	ls	\$30.51	\$31		0		0	0	0.00	0	\$0		\$0	\$31.00	\$31
	TOTALS				\$731		0		10	8		18	\$1,017		\$0		\$1,748
	add sales tax on material (yes/no ?):	no		0.00%	exempt												exempt
					\$731												
													addition OK	addition OK			addition OK

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: Equipment Rental

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

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR						SERVICE/SUBCONTRACT		LINE ITEM TOTALS				
		QUANTITY	UNIT	UNIT PRICE	MATERIAL OR EQUIP DOLLARS	Operators		Laborer		Carpenters		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS	
						\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$63.80							
						RATE	HOURS	RATE	HOURS	RATE	HOURS							
	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	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	
	Small Tools	1	ls	\$77.82	\$78		0		0		0	0.00	0	\$0	\$0	\$78.00	\$78	
TOTALS					\$2,672		4		2		0		6	\$357		\$0		\$3,029
add sales tax on material (yes/no?): yes 9.25%					\$247													\$247
total including sales tax					\$2,919													\$3,276
												addition OK	addition OK			addition OK		



CHANGE ESTIMATE SUMMARY

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 across		-----	\$231	\$206	\$4,098	\$4,535
Sales Tax		0.00%	\$0	-----	-----	\$0
SUB TOTALS #2 totaled across		-----	\$231	\$206	\$4,098	\$4,535
Contingency		0.00%	\$0	\$0	\$0	\$0
Insurance Requirements		0.00%	\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across			\$231	\$206	\$4,098	\$4,535
FAW (overhead & profit)		10.00%	\$23	\$21	\$410	\$44
SUB TOTALS #4 totaled across			\$254	\$227	\$4,508	\$4,989
Insurance/Bond		0.00%	is bond required (yes/no)?: Yes			\$0.00
TOTAL					\$4,989	

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5

Travis Hempling 6/2/2023

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: F.A. Wilhelm

due date:
 calc date: 6/2/23 2:14 PM

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR						SERVICE/SUBCONTRACT		LINE ITEM TOTALS				
		QUANTITY	UNIT	UNIT PRICE	MATERIAL OR EQUIP DOLLARS	Operators		Laborer		Carpenters		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS	
						\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$63.80							
						RATE	HOURS	RATE	HOURS	RATE	HOURS							
	Reducing Coupler 12" SDR 35 to 6" Sch. 40 DWV	1	ea	\$231.11	\$231		0		1		0	1.00	1	\$51		\$0	\$281.61	\$282
TOTALS					\$231		0		1		0		1	\$51		\$0		\$282
add sales tax on material (yes/no ?): no 0.00%					exempt													exempt
					\$231													
												addition OK	addition OK			addition OK		



CHANGE ESTIMATE SUMMARY

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.

	DESCRIPTION		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions			\$225		\$225
2	Nucor Harris Rebar		\$1,492	\$552		\$2,044
3	F.A. Wilhelm Concrete		\$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
Insurance Requirements		0.00%	\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across			\$2,780	\$3,967	\$0	\$6,747
FAW (overhead & profit)		10.00%	\$278	\$397	\$0	\$675
SUB TOTALS #4 totaled across			\$3,058	\$4,364	\$0	\$7,422
Insurance/Bond		0.00%	is bond required (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

Travis Hempfling 6/2/2023

GENERAL REQUIREMENTS / CONDITIONS

Project: Greenfield Wastewater Treatment Plant

Date: 6/2/23 7:30 AM

Work scope: General Conditions Months: _____ Weeks: _____ Calendar Days: _____ Work Days: _____

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL		LABOR		SERVICE/SUBCONTRACT		LINE ITEM TOTALS	
		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	\$85
	Assistant Project Manager	2	hr	\$0.00		\$70.00	\$140			\$70.00	\$140
	Project Engineer		hr	\$0.00		\$60.00					
	General Superintendent										
	Ironworker Superintendent		hr	\$0.00		\$77.00					
	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										
	Office Trailer(s)										
	Office Trailer Set-up & Tear Down										
	Office Equipment & Supplies										
	Phones / Internet / Computers										
	Monthly Power for Trailer(s)										
	Drinking Water										
	Furniture in Trailer(s)										
	Plans / Reprographics										
	Travel / Lodging										
	Procure 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										
	Temporary Signage										
	Traffic Control										
	Gate Security										
	Construction Camera										
	Dewatering										
	Permits & Fees										
	Trucking										
	Small Tools										
	TOTALS				\$0		\$225		\$0		\$225
	Add Sales Tax on Material (yes/no ?):	NO		0.00%	exempt						exempt
					\$0						
											addition OK

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: CE-026 - Septage Receiving Facility - Foundation Changes

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

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR						SERVICE/SUBCONTRACT		LINE ITEM TOTALS				
		QUANTITY	UNIT	UNIT PRICE	MATERIAL OR EQUIP DOLLARS	Operator		Laborer		Ironworker		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS	
						\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$69.00							
						RATE	HOURS	RATE	HOURS	RATE	HOURS							
	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													
												addition OK	addition OK					addition OK

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: CE-026 - Septage Receiving Facility - Foundation Changes

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

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR						TOTAL HOURS	LABOR DOLLARS	SERVICE/SUBCONTRACT		LINE ITEM TOTALS				
		QUANTITY	UNIT	UNIT	MATERIAL OR EQUIP	Finisher		Laborer		Carpenters				COMP RATE	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS		
						\$/hr=		\$/hr=		\$/hr=										
						RATE	HOURS	RATE	HOURS	RATE	HOURS									
	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		
	Concrete - Added 6 cy	6	cy		\$165.83	\$995		1.00		1.00		0.00	3.00	2.00	\$110	\$0	\$184.14	\$1,105		
	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%	\$0													\$0
total including sales tax						\$1,288													\$4,478	
												addition OK	addition OK			addition OK				



CHANGE ESTIMATE SUMMARY

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 Sawcutting across the main drive, excavating 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		MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions		\$155		\$155
2	IEI - Install Conduits at (2) Road Crossings			\$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					\$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
FAW (overhead & profit) 10.00%		\$451	\$190	\$766	\$641
SUB TOTALS #4 totaled across		\$4,958	\$2,092	\$8,430	\$15,480
Insurance/Bond 0.00%					\$0.00
		is bond required (yes/no)?: Yes			\$0.00
TOTAL					\$15,480

Scope Clarifications and Exclusions

- 1
- 2
- 3
- 4
- 5

Sally Keyman

6/29/23

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant

work scope: CE-014.1 Access Road Pole Lights Location Change

due date:

calc date: 6/28/23 2:48 PM

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP				LABOR				SERVICE/SUBCONTRACT		LINE ITEM TOTALS						
		QUANTITY	UNIT	UNIT PRICE	MATERIAL OR EQUIP DOLLARS	Operators		Laborer		Carpenters		LABOR DOLLARS	TOTAL HOURS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS			
						RATE	HOURS	RATE	HOURS	RATE	HOURS									
	Saw Cutting	1	LS									0	0.00	\$0	\$600.00	\$600.00	\$600			
	Hydrovac	1	LS									16	0.08	\$810	\$4,000.00	\$4,810	\$4,810			
	Haul Off	1	LS									0	0.00	\$0		\$950.00	\$950			
	Road Plates	1	LS									0	0.00	\$0		\$500.00	\$500			
	Concrete	16	Cy									16	1.00	\$810		\$210.81	\$3,370			
	320 Loader W/ fuel	2	HR									2	1.00	\$128		\$138.97	\$278			
	Small Tools	1	LS									0	0.00	\$0		\$52.00	\$52			
	TOTALS											2		32		0		\$1,747	\$4,600	\$10,559
	add sales tax on material (yes/no ?):	yes																		\$295
	total including sales tax																			\$10,854

addition OK addition OK

addition OK



CHANGE ESTIMATE SUMMARY

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.

	DESCRIPTION	MATERIAL	LABOR	SUB	LINE TOTAL
1	General Conditions		\$505		\$505
2	Nucor Harris Rebar	\$4,021	\$1,035		\$5,056
3	F.A. Wilhelm - Concrete 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
Insurance Requirements 0.00%		\$0	\$0	\$0	\$0
SUB TOTALS #3 totaled across		\$5,317	\$9,053	\$0	\$14,370
FAW (overhead & profit) 10.00%		\$532	\$905	\$0	\$1,437
SUB TOTALS #4 totaled across		\$5,849	\$9,958	\$0	\$15,807
Insurance/Bond 0.00%		is bond required (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.
- 2 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

Travis Hempling 7/5/2023

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: Nucor Harris Rebar

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

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR								SERVICE/SUBCONTRACT		LINE ITEM TOTALS		
		QUANTITY	UNIT	UNIT PRICE	MATERIAL OR EQUIP DOLLARS	Operator		Laborer		Ironworker		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS	
						\$/hr=	\$63.97	\$/hr=	\$50.61	\$/hr=	\$69.00							
						RATE	HOURS	RATE	HOURS	RATE	HOURS							
	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
	Misc Small Tools	1	LS	\$31.05	\$31		0		0		0	0.00	0	\$0		\$0	\$31.00	\$31
TOTALS					\$4,021		0		0		15		15	\$1,035		\$0		\$5,056
add sales tax on material (yes/no ?): no 0.00%					exempt													exempt
					\$4,021													
												addition OK	addition OK					addition OK

ESTIMATE PRICING WORKSHEET

project: Greenfield Wastewater Treatment Plant
 work scope: F.A. Wilhelm Concrete

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

CODE #	LINE ITEM DESCRIPTION	ITEM QUANTITY		MATERIAL / EQUIP		LABOR						SERVICE/SUBCONTRACT		LINE ITEM TOTALS			
		QUANTITY	UNIT	UNIT PRICE	MATERIAL OR EQUIP DOLLARS	Finisher		Laborer		Carpenter		TOTAL HOURS	LABOR DOLLARS	UNIT PRICE	SERVICE OR SUBCONTRACT DOLLARS	UNIT PRICE	LINE ITEM TOTAL DOLLARS
						\$/hr=	\$59.24	\$/hr=	\$50.61	\$/hr=	\$63.80						
						RATE	HOURS	RATE	HOURS	RATE	HOURS						
	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	cy	\$150.00	\$50		0		1		0	0.33	1	\$51	\$0	\$304.88	\$101
	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
	Concrete	0.25	cy	\$150.00	\$38		0		1		0	0.25	1	\$51	\$0	\$354.44	\$89
	Elevated Slab																
	Forming	165	sf	\$3.33	\$549		0		36		70	1.56	106	\$6,288	\$0	\$41.44	\$6,837
	Concrete	2	cy	\$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
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