



Meeting Agenda

Capital Investment Committee

Thursday, May 27, 2021

3:30 PM

Board Room

CALL TO ORDER

APPROVAL OF MINUTES

1. Consideration Of Approval Of Minutes Of The April 22, 2021, 3:30 p.m. Capital Investment Committee Meeting.

NEW BUSINESS

2. Consideration Of DRAFT Change Order 7 to the COF Contract No. 2017-0264 With Kiewit Infrastructure South, Co. For The Water Reclamation Facility Modifications And Expansion Project.

Sponsors: Michelle Hatcher

3. Consideration Of DRAFT Change Order 1 To COF Contract No. 2018-0214 With American Infrastructure Technologies Corporation For The Sewer Main Line Lining Project At A Cost Increase Of \$400,000.

Sponsors: Michelle Hatcher, Patricia McNeese

4. Consideration Of DRAFT Change Order 1 To COF Contract No. 2018-0226 With BLD Services For The Sewer Lateral Lining Project At A Cost Increase Of \$200,000.

Sponsors: Michelle Hatcher, Patricia McNeese

5. Consideration Of DRAFT COF Contract No. 2021-0122, A Professional Services Agreement With AECOM For Redwing Area Sewer Study In The Amount Of \$45,860.

Sponsors: Michelle Hatcher, Patricia McNeese

6. Consideration Of Resolution 2021-93, A Resolution To Adopt The Franklin Trails Branding And Wayfinding Guidelines.

Sponsors: Lisa Clayton

7. Consideration Of Resolution 2021-89, A Resolution to Approve The Updated Master Plan And Opinion Of Cost For Liberty Park.

Sponsors: Lisa Clayton, Shahad Abdulrahman

8. Consideration Of **Draft** Amendment 1 To COF Contract No. 2019-0376, A Professional Services Agreement With Barge Design Solutions, Inc. For The Design Of The Bicentennial Park Project At A Cost Increase Of \$22,500.00.

Sponsors: Lisa Clayton, Paul Holzen, Jonathan Marston, Shahad Abdulrahman

9. Consideration Of Resolution 2021-98, A Resolution Declaring Certain Right-Of-Way Located Between Glass Street And Green Street As Surplus.
CIC 5/28/20, 4-0

Sponsors: Paul Holzen, Jonathan Marston

10. Consideration Of **Draft** Amendment No. 1 To COF Contract No. 2016-0230, A Professional Services Agreement With Civil Infrastructure Associates For The Watson Branch Culvert Rehabilitation Project At A Cost Increase Of \$3,185.00.

Sponsors: Paul Holzen, Jonathan Marston, Shahad Abdulrahman

11. Consideration Of **Draft** Resolution 2021-99, A Resolution Authorizing The Donation Of Right-Of-Way And Easements That Are Required For The State Route 106 Culvert Replacement Project (TDOT PIN 128227.00) To The Tennessee Department Of Transportation.

Sponsors: Paul Holzen, Jonathan Marston, Sarah Roop

12. Capital Projects Dashboard And Status Updates For May 2021.

Sponsors: Paul Holzen, Jonathan Marston

OTHER BUSINESS

ADJOURN

Anyone needing accommodations due to disabilities please contact the ADA Coordinator at 615-791-3277 at least 24 hours prior to the meeting.



File #: 21-02015

DATE: April 27, 2021
TO: Capital Investment Committee
FROM: Michelle Hatcher, Director of Water Management
SUBJECT:

Consideration Of DRAFT Change Order 7 to the COF Contract No. 2017-0264 With Kiewit Infrastructure South, Co. For The Water Reclamation Facility Modifications And Expansion Project.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning a DRAFT Change Order No. 7 for the Water Reclamation Facility Modifications and Expansion Project for a Cost Increase of \$509,219.00.

BACKGROUND/STAFF COMMENTS:

The Board of Mayor and Alderman passed a Resolution to award the contract on July 10, 2018 for the Water Reclamation Facility Modifications and Expansion Project to Kiewit Infrastructure South Co. (Kiewit). The amount of the contract entered into by the City and Kiewit was for \$132,890,000.00 (which included an Owner's contingency of \$4,000,000.00). A substantial completion date of February 20, 2022 and a final completion date of May 26, 2022 were outlined in the contract.

During the course of the project to date, the need for various changes to Kiewit's scope has become apparent to include work that was not captured in the original contract, changes due to alternative items of equipment, existing conditions, or to realize savings to the City. Those changes are memorialized in Construction Change Authorizations issued by CDM Smith and the approved by the City, and formalized in this change order.

The subsequent attachments outline all of these changes, totaling a net increase of \$509,219.00. Including all of the previous change orders, the amount remaining in contingency totals \$2,033,856.75.

FINANCIAL IMPACT:

This Change Order No. 7 provides for a net increase in \$509,219.00, however, this amount was already authorized within the Owner's contingency and isn't a increase to the contract terms.

RECOMMENDATION:

Staff recommends that Change Order 7 On COF Contract No. 2017-0264 be recommended for approval by the Board of Mayor and Aldermen.

REQUEST FOR CONSTRUCTION CONTRACT CHANGE CHANGE ORDER NO. 7

City of Franklin
Engineering Office
109 Third Avenue South
Franklin, Tn 37064

Contract Number: 2017-0264
Project Name: Water Reclamation Facility
Modifications & Expansion

Background

The Board of Mayor and Alderman passed a resolution to award a contract on July 10, 2018 for the Franklin Water Reclamation Facility Modifications and Expansion Project to Kiewit Infrastructure South Co., (Kiewit), contingent upon approval by the State Revolving Fund (SRF) Program, which was received on August 23, 2018. The amount of the contract entered into by the City of Franklin and Kiewit was for \$132,890,000.00 (which included an Owner contingency of \$4,000,000). A substantial completion date of February 20, 2022, and a final completion date of May 26, 2022 were requirements in the contract.

The Franklin Water Reclamation Facility Modifications and Expansion Project included, among other scope, construction of a new headworks facility, an equalization basin, odor control systems, two ultraviolet disinfection systems, an alum storage and feed system, an electrical building, modifications to the biological nutrient removal facilities, the reclaimed water pump station, return sludge pump station and RAS/WAS pump station, construction of a new solids treatment system, upgrades to the instrumentation and control system, installation of new yard piping and demolition.

Reason for Change Order:

During the course of the project to date, the need for various changes to Kiewit's scope became apparent to include work not captured in the original contract, changes due to alternate items of equipment proposed by Kiewit, unforeseen conflict with existing features or to realize savings to the City of Franklin. Those changes were memorialized in Construction Change Authorizations (CCAs), Contractor Change Proposals (CPs) or responses to Requests for Proposal (RFPs) as shown on Attachment A. The specific language of the scope changes is detailed in the CCA/CP/RFP documents.

Attachments (List documents supporting change):

Attachment A – CCA/RFP/CP Summary Sheet

CCA No. 56 w/Contractor Proposal
CCA No. 58 w/Contractor Proposal
CCA No. 34 w/Contractor Proposal
CCA No. 39 w/Contractor Proposal
RFP No. 2.1 w/Contractor Proposal
RFP No. 6 w/Contractor Proposal

RFP No. 11 w/Contractor Proposal

CP No. 15

CP No. 22

CP No. 27

CP No. 42

CP No. 61

CP No. 63

CP No. 64

CP No. 65

CP No. 66

CP No. 69

CP No. 73

CP No. 75

CP No. 76

CP No. 77

CP No. 78

CP No. 79

CP No. 83

CP No. 82

CP No. 67

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CHANGE IN CONTRACT PRICE:	
Original Contract Price:	
	\$132,890,000.00
Net Increase in Contract Price From Previous Change Orders:	
	\$87,021.00
Contract Price Prior to This Change Order:	
	\$132,977,021.00
Net Increase or <Decrease> of This Change Order:	
	\$00.00
Contract Price with All Approved Change Orders:	
	\$132,977,021.00

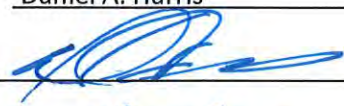
CHANGE IN CONTRACT TIMES	
Original Contract Times	
Substantial Completion Date	2/20/2022
Final Completion Date	5/26/2022
Net Change From Previous Change Orders	
Substantial Completion	0 Days
Final Completion	0 Days
Contract Times Prior to This Change	
Substantial Completion Date	2/20/2022
Final Completion Date	5/26/2022
Increase in Time This Change Order	
Substantial Completion	-0- Days
Final Completion	-0- Days
Contract Times with All Approved Change Orders	
Substantial Completion Date	2/20/2022
Final Completion Date	5/26/2022

Now, Therefore, Kiewit Infrastructure South Co., hereby agrees to this Change Order, consisting of the above mentioned schedule changes, and agrees that this Change Order is hereby made a part of the original contract and will be performed by this Contractor in accordance with specifications thereof, and that the original contract remains in full force and effect, except in so far as specifically modified by this Change Order.

RECOMMENDED FOR APPROVAL BY:

ENGINEER

Name: Daniel A. Harris

Signature: 

Date: 5/12/21

CITY PROJECT MANAGER

Name: Brian Goodwin

Signature: _____

Date: _____

CITY WATER MANAGEMENT DIRECTOR

Name: Michelle Hatcher

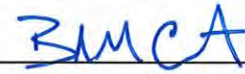
Signature: _____

Date: _____

ACCEPTED BY CONTRACTOR:

Name: BRAD COUTU

Title: Project Sponsor

Signature: 

Date: 5-11-21

APPROVED BY OWNER:

Name: _____

Title: _____

Signature: _____

Date: _____

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Attachment A
CP/RFP/CP Summary

CCA Number	RFP Number	CP Number	Description	Cost	Time Extension	Date Sent to SRF for Review	Date Approved by SRF
56			Screw Press Control Panel revisions	\$ 76,323.00	0	4/22/21	4/22/21
58			UV Facility structural revisions	\$ 14,942.00	0	4/26/21	4/27/21
34			EQ pump relocation	\$ 9,943.00	0	1/11/21	3/26/21
39			SPB Crane Runway Beam Location	\$ 68,353.00	0	3/23/21	3/26/21
	2.1		Temporary sludge drying facility	\$ 150,587.00	0	2/1/21	2/4/21
	6		Added PIT/PS @ Reclaimed Water PS	\$ 22,008.00	0	2/23/21	2/25/21
	11		Pumpout connections @ sludge tanks	\$ 36,539.00	0	3/1/21	3/3/21
		15	VT pump coatings	\$ (15,000.00)	0	4/26/21	4/27/21
		22	Potholing near ex. 54"	\$ 12,566.00	0	12/29/20	12/30/20
		27	Potholing/surveying for CCA 45	\$ 68,275.00	0	12/29/20	12/30/20
		42	Blower pad & canopy obstructions	\$ 4,809.00	0	1/6/21	1/12/21
		61	Independent Controls RWPS PLC mods	\$ 2,142.00	0	12/8/20	12/10/20
		63	Spare chemical pump	\$ 19,688.00	0	12/18/20	12/23/20
		64	Deleted SPB curb	\$ (9,875.00)	0	1/12/21	1/25/21
		65	Door revisions per RFI 334	\$ 31,116.00	0	3/30/21	4/1/21
		66	Beam revisions per RFI 343	\$ 7,567.00	0	1/6/21	1/12/21
		69	THP footing revisions per RFI 393	\$ 2,021.00	0	2/1/21	2/2/21
		73	Future pump electrical per RFI 171	\$ 6,857.00	0	3/11/21	3/11/21
		75	Digester swing gate	\$ 822.00	0	3/23/21	3/26/21
		76	Future vortex opening cover	\$ 765.00	0	3/30/21	4/1/21
		77	Threaded NG piping	\$ (2,755.00)	0	3/23/21	3/26/21
		78	Walkway @ Headworks Odor Control	\$ 1,452.00	0	3/30/21	4/1/21
		79	Consolidate PLCs 1, 3, 3A	\$ 7,620.00	0	4/16/21	4/22/21
		83	Remove ex. FM @ road	\$ 10,724.00	0	4/16/21	4/22/21
		82	Downsize blower conductors	\$ (18,270.00)	0	4/16/21	4/22/21
Total This Change				\$ 509,219.00			
Total Previous Changes				\$ 1,456,924.25			
Owner's Contingency Amount				\$ 4,000,000.00			
Remaining Owner's Contingency				\$ 2,033,856.75			
Total Time Extension (Calendar Days)					0		

CONSTRUCTION CHANGE AUTHORIZATION

TO: Mr. Steve Davis
Project Manager
Kiewit Water Facilities South
4405 International Blvd., NW,
Suite C-101
Norcross, Georgia 30093
(770) 940-8044

FROM: CDM Smith
210 25th Ave. N.
Suite 1102
Nashville, TN 37203
(615) 320-3161

DATE: November 13, 2020

PROJECT: City of Franklin, Tennessee
Franklin WRF Modifications & Expansion Project

CCA NUMBER: 56 **CDM SMITH PROJ. NO.:** 14915-231666

SUBJECT: Screw Press Control Panels **CITY PROJECT NO.:** 2017-0264

REFERENCE: I-46

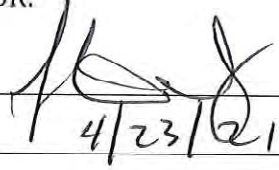
DESCRIPTION:

Control signals for the post-dewatering screw presses are to be routed first to the screw press control panels where automated functionality will reside, then to PLC-11. Common signals shall be routed first through a screw press control relay panel per the attached. Provide a NEMA 4X panel to be located as directed by the Engineer.

CDM SMITH:

By: 
Date: 4/23/21

CONTRACTOR:

By: 
Date: 4/23/21

City of Franklin:

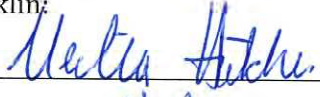
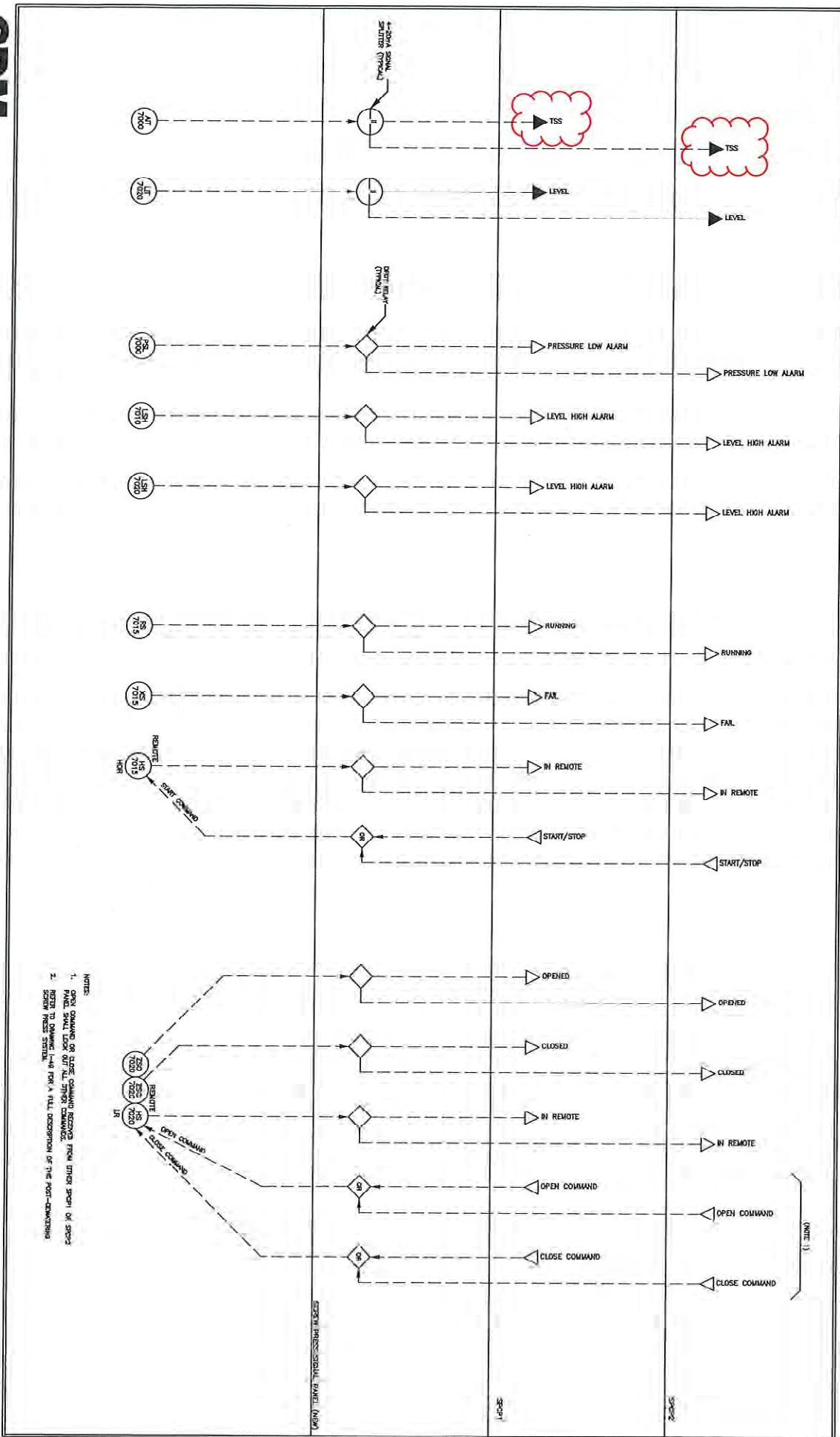
By: 
Date: 4/23/21

Figure XX-XX
SCREW PRESS SIGNAL PANEL
OCTOBER 2020





Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

April 20, 2021

To: Attn: Mr. Dan Harris

CCA-Kiewit-00076.00

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: Revised CCA 056 - Screw Press Control Relay Panel

Dear Mr. Harris,

Attached you will find Kiewit's revised cost proposal for **CCA 056 - Screw Press Control Relay Panel** in the amount of **Seventy-Six Thousand Three Hundred Twenty-Three Dollars (\$76,323.00)**.

In consideration of the project receiving a favorable response from the Tennessee Department of Revenue regarding the broadening of the sales and use tax exemption, Kiewit has not included sales and use taxes on permanent materials provided within this cost proposal that are not covered by the current Industrial Machinery Sales and Use Tax Exemption Certificate. Should the project not receive a favorable ruling, sales and use taxes may need to be revisited for this cost proposal.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,


Steve Davls
Project Manager



CCA-056 Screw Press Control Relay Panel

PREPARED BY: Abdul Alibashid

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		MATERIAL		CONSTR. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Credits															
Addition of Screw Press Control Relay Panel/VJGEI (Revised)	1.0	EA													\$ 68,905.57
Relay Panel Programming & Engineering	1.0	EA													\$ 3,782.70
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHMVA Rates.															
OTHER															
STS - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax: Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)		MHR													
TAX: (9.75% of Material, Equipment, Other)															
BOND (2% of total)						\$ -				\$ -					\$ 72,688.27
SUBTOTALS															\$ 3,634.41
MARKUP %															\$ 76,322.68
SUBTOTALS WITH MARKUPS APPLIED															\$ 76,322.68
BOND															
TOTAL															\$ 76,323.00



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

April 1, 2021

VIA EMAIL ONLY: Steven.Davis1@kiewit.com

Mr. Steven Davis, Project Manager
Kiewit
135 Claude Yates Drive
Franklin, TN 37064

RE: Job #6198 - Franklin WRF Mods and Exp, Franklin, TN
Proposal #58

Dear Mr. Davis:

Wayne J. Griffin Electric, Inc. ("WJGEI") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

This proposal is for CCA-056, to provide a screw press control relay panel, which will split the screw press control panels 1 and 2 signals as shown in CCA-056 drawings. This proposal is for the screw press signal panel and all raceways, wire, cable, and terminations needed to install the new panel. Any modifications to PLC-11 or SPCP-1 and SPCP-2 are excluded from this quote.

Material	\$	27,321.48
Labor		32,292.37
Overhead & Profit		8,942.08
Subtotal	\$	68,555.93
Bond		349.64
Total	\$	68,905.57

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us.

Corporate Headquarters:

116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:

296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

1950 Evergreen Boulevard
Suite 300
Duluth, GA 30096
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273

Phone: (704) 522-3851
Fax: (704) 522-3856

Mr. Steven Davis
April 1, 2021
Page 2

The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (205) 733-8848 ext. 6175 or troberson@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Timothy R. Roberson
Project Manager

TRR/hat

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: Calvin Mize, Regional Manager, Wayne J. Griffin Electric, Inc.



116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251

CCN#: P-0058, CCA - 56 Screw Press Panel
Date: 3/31/2021
Project Name: Franklin WRF Mods and Exp
Project Number: 06198-00-18
Page Number: 1

Work Description

This proposal is for CCA-056, to provide a Screw Press Control Relay Panel, which will split the Screw Press Control Panels 1 and 2 signals as shown in CCA-056 drawings. This proposal is for the Screw Press Signal Panel and all raceways, wire, cable, and terminations needed to install the new panel. Any modifications to PLC- 11 or SPCP-1 and SPCP-2 are excluded from this quote.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
As Builts	0.00	0.0000	HRS	0.000	0.000	9.430
Cleanup	0.00	0.0000	HRS	0.000	0.000	9.430
Tools	0.00	0.0000	HRS	0.000	0.000	11.320
Field Safety/JHA	0.00	0.0000	HRS	0.000	0.000	9.430
Supervision	0.00	0.0000	HRS	0.000	0.000	18.860
Project Controls	0.00	0.0000	HRS	0.000	0.000	18.860
SCREW PRESS CONTROL RELAY PANEL	1.00	5,972.0000	LO	5,972.000	4.000	4.000
8"x8"x10' NEMA 4X TROUGH	1.00	3,245.0000	EA	3,245.000	6.000	6.000
1-1/2" PVC SCHEDULE 40	480.00	1.6020	FT	768.960	0.070	33.600
3/4" ALUMINUM CONDUIT	30.00	5.6427	FT	169.280	0.055	1.650
1-1/2" ALUMINUM CONDUIT	720.00	10.2931	FT	7,411.030	0.070	50.100
2 1/2" CORED HOLE UP TO 8" DEEP	12.00	0.0000	EA	0.000	1.500	18.000
3/4" ALUMINUM 90D ELBOW	2.00	9.7900	EA	19.580	0.300	0.600
1-1/2" ALUMINUM 90D ELBOW	18.00	29.4839	EA	530.710	0.500	9.000
1-1/2" 3-PIECE COUPLING	6.00	16.6967	EA	100.180	1.050	6.300
1-1/2" PVC FEMALE ADAPTER	12.00	0.6200	EA	7.440	0.250	3.000
3/4" ALUM COUPLING	4.00	3.4500	EA	13.800	0.300	1.200
1-1/2" ALUM COUPLING	26.00	6.0362	EA	156.940	0.600	15.600
1 1/2" MYERS HUBS W/GROUND ALUMINUM	28.00	22.9636	EA	642.980	0.060	1.680
4" LOCKNUT	12.00	8.6450	EA	103.740	0.800	9.600
4" PLASTIC BUSHING	6.00	1.5250	EA	9.150	0.500	3.000
4 CLOSE NIPPLE ALUM	3.00	76.3067	EA	228.920	1.300	3.900
#14 XHHW COPPER WIRE	18,000.00	0.1874	FT	3,373.200	0.006	108.000
#12 XHHW COPPER WIRE	1,148.00	0.2527	FT	290.100	0.007	8.036
16/2PR CNTRL CBL SHLD TWSTD PR	4,950.00	0.4414	FT	2,184.930	0.012	59.400
SINGLE GANG FS DEV BOX 3/4"HUB SHALLOW	1.00	28.0200	EA	28.020	0.700	0.700
3/8 x 3" WEDGE ANCHOR (SS)	24.00	2.4800	EA	59.520	0.220	5.280
3/8 X 1 1/4" FENDER WASHER (SS)	78.00	0.8700	EA	67.860	0.000	0.000
3/8-16 x 1" MACHINE SCREWS (SS)	26.00	0.9981	EA	25.950	0.075	1.950
3/8-16 HEX NUTS (SS)	42.00	0.7800	EA	32.760	0.036	1.512
1/4 X 1 1/4" ZAMAC NAILIN (SS)	36.00	0.7647	EA	27.530	0.060	2.160
3/8" HOLLOW WALL ANCHOR	26.00	0.6888	EA	17.910	0.250	6.500
3/8-16 THREADED ROD (SS)	30.00	4.3537	FT	130.610	0.110	3.300
3/8-16 THREADED ROD COUPLING (SS)	14.00	3.1536	EA	44.150	0.022	0.300
1-1/2" RIGID ONE HOLE STRAP	36.00	0.5883	EA	21.180	0.043	1.530
1 1/2" RIGID STRUT CLAMP (702 SERIES)	15.00	2.0620	EA	30.930	0.040	0.600
1 5/8 X 1 5/8 12 GAUGE SOLID 10' STRUT (SS)	60.00	12.0972	FT	725.830	0.123	7.350
3/4" RIGID STRUT CLAMP ALUMINUM	6.00	3.0483	EA	18.290	0.030	0.180
6 X 6 X 4 N 4X TYPE 316 SS CONTINUOUS HINGE CLAMP C	1.00	389.0000	EA	389.000	0.900	0.900
24 X 24 X 12 NEMA 12 WALL MOUNT ENCLOSURE SINGLE I	1.00	474.0000	EA	474.000	2.000	2.000
Totals				27,321.48		454.57
Tax				0.00		
Materials with				27,321.48		

Summary



116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251

CCN#: P-0058, CCA - 56 Screw Press Panel
Date: 3/31/2021
Project Name: Franklin WRF Mods and Exp
Project Number: 06198-00-18
Page Number: 2

Itemized Breakdown Total		27,321.48
Elect. Journeyman	(454.5660 hrs @ \$71.04 / hr)	32,292.37
		32,292.37
Overhead & Profit	(\$59,613.85 @ 15.00%)	8,942.08
		8,942.08
Bond	(\$68,555.93 @ 0.51%)	349.64
		349.64
		9,291.72
Total		\$68,905.57



Quote

Date 1/7/2021
Quote # 44267
Expiration Date 1/31/2021

Revere Control Systems, Inc.
2240 Rocky Ridge Road
Birmingham, AL 35216
Phone 205-824-0004
Fax 205.824.0439
nbishop@reverecontrol.com

TO Timothy Roberson
Wayne J. Griffin Electric, Inc.

Salesperson	Project Name	Payment Terms	Delivery Date
NAB	TN Franklin WRF	Net 30 Days	TBD

Qty	Description	Unit Price	Line Total
	Notes and Clarifications: 1. Installation services and material, instrumentation, sensors, disconnects, LCS/LCP, WFAT, commissioning, and training by others. RCS-OEM is not the Systems Integrator. 2. The pricing herein is for one (1) panel. 3. The proposed panel is a relay / signal pass-through panel without a controller of any kind. It does not contain a PLC, microprocessor, HMI, and or timer relays. It does not contain operators, beacons, and or a horn. Design based on CCA-CCA-CDM-00057.00-CCA56.PDF's drawing. 4. The pricing herein reflects the panel being installed, by others, in a non-hazardous area. Also, the pricing herein only includes interfaces with devices shown on the CCA-CCA-CDM-00057.00-CCA56.PDF drawing that possess standalone ratings for the areas they are installed; the panel will be UL508 listed only. 5. Only section 13330 was available for review, thus we take exception to all other contract documents. 6. Delivery is dependent on receiving a purchase order, with released to production status, by 1/11/21 noon CST. 7. Only standard RCS warranty is offered 8. 120VAC 60Hz power must be supplied to the panel by others. 9. An UPS is not offered as there is no controller in the design. 10. A sun shield has not been included on grounds the design does not have an LCD/HMI and or controller.		
1	Screw Press Control Relay Panel ▪ (1) Enclosure, NEMA 4X, SST, wall mounted ▪ (1) Main breaker, 1-P ▪ (1) Surge suppressor for incoming power ▪ (1) 24VDC power supply ▪ (1) 1-LOT of control relays ▪ (1) 1-LOT of 1-P breakers, fuse blocks, terminal blocks, wire, wire duct, wire labels, ground bar, etc. for a complete panel ▪ (1) Standard Submittal drawing set ▪ (1) Standard O&M package ▪ (1) Standard Warranty ▪ Estimated shipping date of 2/26/21, SEE Note #6	\$5.972	\$5,972
	If Revere is required to collect taxes for equipment and services, then the cost will be added to the invoice, unless the Purchaser provides supporting documentation that exempts them from paying taxes. This documentation must be received at least one week prior to shipment. Revere is currently required to collect taxes for shipments made to the following (but not limited to) states: AL, AR, CO, FL, GA, KY, LA, MS, NC, NV, NY, OH, OK, PA, SC, TN , TX, and VA.		
Subtotal			\$5,972

Freight	TBD
Sales Tax	TBD
Total	TBD

Quotation prepared by: Noah Bishop

This proposal is subject to Revere's standard Terms & Conditions (attached).

This proposal is standalone and cannot be used in conjunction with another proposal.

To accept this quotation, sign here and return: _____

Thank you for your business

These are the terms and conditions for all work performed by Revere Control Systems ("RCS") for ("Buyer") that is related to:
(the "Project"). Dated .

ENTIRE AGREEMENT The entire agreement between RCS and Buyer consists of: (a) these Terms and Conditions, (b) RCS's proposal (to which these terms and conditions are attached) (the "Proposal"), (c) the written requirements of Buyer (if any) that are attached as Exhibit A and, (d) if applicable, Buyer's later purchase orders to the extent they do not contain any additional, inconsistent or contrary terms or conditions (all of which are expressly rejected by RCS) to those set forth in the foregoing documents (collectively the "Contract"). The Contract may only be modified by a written Change Order executed by both Buyer and RCS. To the extent these Terms and Conditions are inconsistent with the Proposal or Buyer's written requirements (if any) attached as Exhibit A or any of Buyer's purchase orders, these Terms and Conditions shall take priority. To the extent the Proposal is inconsistent with the Buyer's written requirements (if any) attached as Exhibit A or any of Buyer's purchase orders, the Proposal shall take priority.

INTELLECTUAL PROPERTY RCS shall retain sole ownership of all of its intellectual property used or produced in connection with the Project, including but not limited to all drawings, specifications, software, written materials, manuals, marks, business methods, and all other property that is capable of protection by a patent, copyright or trademark (whether or not such protection has actually been sought). Buyer shall not use such intellectual property except for the purpose of confirming the quality of design and/or manufacturing of the products and services set forth in the Proposal. Buyer shall not photocopy, duplicate or in any way copy such intellectual property except for the Buyer's internal purposes only (but not for rendering services or selling products to third persons). Buyer shall not sell, license, assign or transfer the intellectual property protected by this paragraph to anyone. Buyer shall ensure that Owner is in possession of valid licenses for all third-party software (not provided by RCS) used for the Project, and shall indemnify and hold harmless RCS against all claims by licensors of such software. RCS makes no warranty regarding the effect of such third-party software on the performance of the software to be developed by RCS for the Project and RCS shall be released from any warranties given to Buyer to the extent that such software causes or contributes to problems. Following acceptance and final payment to RCS, RCS will grant to the Owner a non-transferable, non-exclusive license to use the software for the Owner's internal purposes only in the form of the license agreement attached as Exhibit B.

TAXES Prices stated herein do not include any tax, excise, duty or levy now or hereafter enacted or imposed, by any governmental authority on the manufacture, sale, delivery and/or use of any item delivered. An additional charge will be made therefore and paid by Buyer unless RCS is furnished with a proper exemption certificate relieving RCS of paying or collecting the tax, excise, duty or levy in question.

LIABILITY The total liability of RCS to Buyer for any loss, indemnity, damage or delay of any kind will not under any circumstances exceed 25% of the Contract Sum. Under no circumstances will RCS be liable for any loss, indemnity damage or delay arising out of its failure to perform due to causes beyond its reasonable control, including, without limitation, acts of God, interference by others, delays in receiving approvals or necessary information from Buyer, a higher-tier party and/or the ultimate owner, fires, strikes, floods, war, terrorism, riots, delays in transportation and adverse weather. Under no circumstances will RCS be liable for any special, incidental or consequential damages based on breach of warranty, breach of contract, negligence, gross negligence, strict liability, products liability or any other legal theory.

TERMINATION RCS may terminate this Contract for any of the reasons that Buyer may terminate its contract, if any, with any higher-tier buyer or the ultimate owner. Buyer may terminate RCS only for persistently or repeatedly failing or neglecting to carry out the Work in accordance with the Contract (and only after failing to take steps to correct such failure following ten (10) days written notice by Buyer). If terminated without cause, RCS shall be entitled to receive payment for the Work executed, and costs incurred by reason of such termination (including any restocking charges), along with reasonable overhead and profit on Work not yet executed.

SEVERABILITY The provisions of this contract are severable. If any part or parts of this contract are held by a court of competent jurisdiction to be invalid or unconstitutional, the remainder of the contract shall remain in full force and effect.

NO ASSIGNMENT Buyer may not assign its rights under this contract without the prior express written consent of RCS.

TITLE It is expressly understood that title to the products manufactured by RCS shall not pass to Buyer, but shall remain vested in and continue to be the property of RCS or its successors or assigns, until the purchase price, any applicable late charges and any other sums due hereunder have been fully paid.

WARRANTY AND LIMITATIONS RCS warrants to the purchaser that buys for use, and not for resale (the "Ultimate Purchaser") that all products furnished and which are manufactured by RCS will conform to specifications, drawings, samples and other written descriptions that are a part of this Contract, and will be free from defects in materials and workmanship. These warranties shall remain in effect for a period of twelve (12) months after acceptance of RCS's work under the Contract by either Buyer or Ultimate Purchaser (or their legal representatives) or twelve (12) months after the system is placed in productive use, or eighteen (18) months after shipment, whichever occurs first. Parts replaced or repaired during the warranty period shall carry the unexpired portion of the original warranty.

The liability of RCS hereunder is limited to replacing or repairing at RCS's factory or on the job site, at RCS's option, any part or parts which have been returned to RCS and which are defective or do not conform to such specifications, drawings or other written descriptions that are a part of the Contract; provided that such part or parts are returned within ninety (90) days after such defect is discovered. RCS shall have the sole right to determine if the parts are to be repaired at the job site or whether they are to be returned to the factory for repair or replacement. RCS shall not be liable for any damage done by unauthorized repair work, unauthorized replacement parts, from any misapplication or misuse of the item, or for damage due to accident, abuse, or Act of God. RCS shall not be liable for any labor, subcontracted or performed, by Buyer for preparation of any warranted item for return to RCS's factory or for preparation work for field repair or replacement. Non-compliance with the terms of payment by the Buyer shall result in a failure of consideration under this contract and shall relieve RCS of any duties or obligations with respect to any warranties stated herein.

EXCEPT AS SET FORTH IN THIS PROPOSAL WITH REGARD TO BOTH HARDWARE AND SOFTWARE, RCS MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY WARRANTY OF FREEDOM FROM PATENT INFRINGEMENT, OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM A COURSE OF DEALING OR USAGE OF TRADE OR OTHER EXPRESS OR IMPLIED WARRANTIES. RCS IS NOT LIABLE FOR AND PURCHASER WAIVES ANY RIGHT OF ACTION IT HAS OR MAY HAVE AGAINST RCS FOR ANY CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF ANY BREACH OR WARRANTY AND FOR ANY DAMAGES PURCHASER MAY CLAIM FOR DAMAGE TO ANY PROPERTY OR INJURY OR DEATH TO ANY PERSON ARISING OUT OF ITS PURCHASE OR THE USE, OPERATION OR MAINTENANCE OF THE PRODUCT.

OTHER Start-up service, operator orientation or installation is not included unless specifically offered in the Proposal. Buyer agrees to pay, as additional costs, for service calls on equipment not ready for start-up. Other field service is available at RCS's current prevailing rates. Stenographic, clerical or typographical errors are subject to correction.

CHOICE OF LAW This contract shall be construed under and governed by the laws of the State of Alabama, USA.

COVENANT NOT TO SOLICIT EMPLOYEES Commencing immediately, and continuing until a date one (1) year after the date of final completion of all obligations under this Contract, Buyer agrees not to directly or indirectly employ, solicit for employment, or advise or recommend to any other person that such other person employ or solicit for employment, any person employed by or under contract to RCS.

LOSS OR DAMAGE The responsibility for loss or damage of the equipment specified in the Contract shall be Buyer's from the time of shipment. Buyer is responsible for protecting the equipment against loss or damage of any kind. RCS shall pay for and maintain until final acceptance of RCS's work under this Contract policies of insurance issued by carriers acceptable to the Buyer which afford coverage for worker's compensation (including employer's liability) and general liability.

FAILURE TO MAKE PAYMENT If, after seven (7) days notice by RCS, the Buyer does not make payment for the Work in conformity with this Contract (or, with or without such notice if the Buyer has repeatedly failed to make payment in conformity with this Contract), RCS may suspend its work under this Contract until it receives all payments then due, and the Contract Sum shall be increased by RCS's reasonable demobilization and remobilization costs and reasonable finance charges. In the event collection of any amounts due to RCS is referred to an attorney, Buyer shall bear all costs of collection, including, but not limited to RCS's reasonable attorney fees. RCS may require prepayment of any or all amounts due if the financial condition of Buyer, a higher-tier buyer or the Ultimate Purchaser reasonably justifies it.

ASBESTOS ABATEMENT RCS is not responsible for asbestos abatement associated with any construction demolition. It will be the Buyer's responsibility to secure such services.

ARBITRATION All claims arising out of this Contract shall be subject to arbitration before a single arbitrator in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association. The arbitrator shall be a person with experience in software development and electrical issues. The governing law and place of the arbitration will be in the State of Alabama, USA.



1040 LONDON DR
BIRMINGHAM AL 35211-4542
Phone: 205-244-2541
Fax: 205-326-3350

To: WAYNE J. GRIFFIN ELEC Inc.
296 CAHABA VALLEY PKWY N
PELHAM AL 35124
Attn: Nick young
Phone: 508-429-8830
Fax: 205-733-8107
Email: JODY.ROBERTS@GRAYBAR.COM

Date: 01/08/2021
Proj Name:
GB Quote #: 0236991588
Release Nbr:
Purchase Order Nbr:
Additional Ref#
Valid From: 01/08/2021
Valid To: 02/07/2021
Contact: Jody Roberts
Email: jody.roberts@graybar.com

Proposal

We Appreciate Your Request and Take Pleasure in Responding As Follows

Item	Item/Type	Quantity	Supplier	Catalog Nbr	Description	Price	Unit	Ext.Price
100		2 EA		EL BOX & ENC S10-88P		\$1,550.00	1	\$3,100.00
Item Note: 10' FOOT LONG TYPE 4X 304 STAINLESS STEEL HINGED PULL THRU WIREWAY								
Non-Cancellable Non-Returnable Item								
200		2 EA		EL BOX & ENC S8-EPP		\$72.50	1	\$145.00
Item Note: STAINLESS STEEL PULL THRU END PLATE								
Non-Cancellable Non-Returnable Item								

Total in USD (Tax not included): \$3,245.00

This equipment and associated installation charges may be financed for a low monthly payment through Graybar Financial Services (subject to credit approval). For more information call 1-800-241-7408 to speak with a leasing specialist.

To learn more about Graybar, visit our website at www.graybar.com

24-Hour Emergency Phone#: 1-800-GRAYBAR

Subject to the standard terms and conditions set forth in this document. Unless otherwise noted, freight terms are F.O.B. shipping point prepaid and bill. Unless noted the estimated ship date will be determined at the time of order placement.

To: WAYNE J. GRIFFIN ELEC Inc.
296 CAHABA VALLEY PKWY N
PELHAM AL 35124
Attn: Nick young

Date: 01/08/2021
Proj Name:
GB Quote #: 0236991588

Proposal

We Appreciate Your Request and Take Pleasure in Responding As Follows

GRAYBAR ELECTRIC COMPANY, INC. TERMS AND CONDITIONS OF SALE

1. **ACCEPTANCE OF ORDER; TERMINATION** - Acceptance of any order is subject to credit approval and acceptance of order by Graybar Electric Company, Inc. ("Graybar") and, when applicable, Graybar's suppliers. If credit of the buyer of the goods or services ("Buyer") becomes unsatisfactory to Graybar, Graybar reserves the right to terminate upon notice to Buyer and without liability to Graybar.
2. **PRICES AND SHIPMENTS** - Unless otherwise quoted, prices for goods shall be those in effect at time of shipment, which shall be made F.O.B. shipping point, prepaid and bill. Unless otherwise indicated in the applicable quotation or statement of work, prices for services shall be those in effect at the time of completion. The contract price for goods and/or services shall be increased by the amount of any applicable tariff, excise, fee, assessment, levy, charge or duty of any kind whatsoever, imposed, assessed or collected by any governmental body, whether or not reflected in the costs charged to Graybar, and Graybar may increase its cost for goods and/or services appropriately to take into account such increases in Graybar's costs.
3. **RETURN OF GOODS** - Credit may be allowed for goods returned with prior approval. A deduction may be made from credits issued to cover cost of handling. Returns will not be accepted for services or any material which has been modified at the request of or by Buyer. In addition, no custom orders may be returned.
4. **TAXES** - Prices shown do not include sales or other taxes imposed on the sale of goods or services. Taxes now or hereafter imposed upon sales, shipments or services will be added to the purchase price. Buyer agrees to reimburse Graybar for any such tax or provide Graybar with acceptable tax exemption certificate.
5. **DELAY IN DELIVERY** - Graybar is not to be accountable for delays in delivery of goods or services occasioned by acts of God, failure of its suppliers to ship or deliver on time, or other circumstances beyond Graybar's reasonable control, including, but not limited to, sourcing, shipment or delivery issues caused by, related to or resulting from COVID-19 or other similar national or global health situations. Factory shipment or delivery dates are best estimates, and in no case shall Graybar be liable for any consequential or special damages arising from any delay in provision of services, shipment or delivery.
6. **LIMITED WARRANTIES** - Graybar warrants that all goods sold are free of any security interest and will make available to Buyer all transferable warranties (including without limitation warranties with respect to intellectual property infringement) made to Graybar by the manufacturer of the goods. Buyer acknowledges that the performance of any service which alters the manufacturer provided goods as indicated in the statement of work may void the manufacturer's warranty. Graybar shall use the same care and skill as a similarly situated provider of like services would exercise following commonly accepted industry practices in the performance of its duties under this agreement. GRAYBAR MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, AND SPECIFICALLY DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PURPOSE, UNLESS OTHERWISE AGREED IN WRITING BY AN AUTHORIZED REPRESENTATIVE OF GRAYBAR. PRODUCTS SOLD HEREUNDER ARE NOT INTENDED FOR USE IN OR IN CONNECTION WITH (1) ANY SAFETY APPLICATION OR THE CONTAINMENT AREA OF A NUCLEAR FACILITY, OR (2) IN A HEALTHCARE APPLICATION, WHERE THE GOODS HAVE POTENTIAL FOR DIRECT PATIENT CONTACT OR WHERE A SIX (6) FOOT CLEARANCE FROM A PATIENT CANNOT BE MAINTAINED AT ALL TIMES.
7. **LIMITATION OF LIABILITY** - Buyer's remedies under this agreement are subject to any limitations contained in manufacturer's terms and conditions to Graybar, a copy of which will be furnished upon written request. Furthermore, Graybar's liability shall be limited to either repair or replacement of the goods, re-performance of the services, or refund of the purchase price, all at Graybar's option, and IN NO CASE SHALL GRAYBAR BE LIABLE FOR INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES. In addition, claims for shortages, other than loss in transit, must be made in writing not more than five (5) days after receipt of shipment. Unless otherwise agreed in the applicable statement of work, acceptance of services will occur not more than five (5) days after completion of performance.
8. **WAIVER** - The failure of Graybar to insist upon the performance of any of the terms or conditions of this agreement or to exercise any right hereunder shall not be deemed to be a waiver of such terms, conditions, or rights in the future, nor shall it be deemed to be a waiver of any other term, condition, or right under this agreement.
9. **MODIFICATION OF TERMS AND CONDITIONS** - These terms and conditions, and any associated statement of work, supersede all other communications, negotiations, and prior oral or written statements regarding the subject matter of these terms and conditions. No change, modification, rescission, discharge, abandonment, or waiver of these terms and conditions shall be binding upon Graybar unless made in writing and signed on its behalf by a duly authorized representative of Graybar. No conditions, usage of trade, course of dealing or performance, understanding or agreement, purporting to modify, vary, explain, or supplement these terms and conditions shall be binding unless hereafter made in writing and signed by the party to be bound. Any proposed modifications or additional terms are specifically rejected and deemed a material alteration hereof. If this document shall be deemed an acceptance of a prior offer by Buyer, such acceptance is expressly conditional upon Buyer's assent to any additional or different terms set forth herein.
10. **REELS** - When Graybar ships returnable reels, a reel deposit may be included in the invoice. The Buyer should contact the nearest Graybar service location to return reels.
11. **CERTIFICATION** - Graybar hereby certifies that these goods were produced in compliance with all applicable requirements of Sections 6, 7, and 12 of the Fair Labor Standards Act, as amended, and of the Vietnam Veterans' Readjustment Assistance Act of 1974, as amended, E.O. 13496, 29 CFR Part 471, Appendix A to Subpart A, and the corresponding regulations, to the extent required by law. 41 CFR 60-1.4, 60-741.5, and 60-250.5 are incorporated herein by reference, to the extent legally required.
12. **FOREIGN CORRUPT PRACTICES ACT** - Buyer shall comply with applicable laws and regulations relating to anti-corruption, including, without limitation, (i) the United States Foreign Corrupt Practices Act (FCPA) (15 U.S.C. §§78dd-1, et. seq.) irrespective of the place of performance, and (ii) laws and regulations implementing the Organization for Economic Cooperation and Development's Convention on Combating Bribery of Foreign Public Officials in International Business Transactions, the U.N. Convention Against Corruption, and the Inter-American Convention Against Corruption in Buyer's country or any country where performance of this agreement or delivery of goods will occur.
13. **ASSIGNMENT** - Buyer shall not assign its rights or delegate its duties hereunder or any interest herein without the prior written consent of Graybar, and any such assignment, without such consent, shall be void.
14. **GENERAL PROVISIONS** - All typographical or clerical errors made by Graybar in any quotation, acknowledgment or publication are subject to correction. This agreement shall be governed by the laws of the State of Missouri applicable to contracts to be formed and fully performed within the State of Missouri, without giving effect to the choice or conflicts of law provisions thereof. All suits arising from or concerning this agreement shall be filed in the Circuit Court of St. Louis County, Missouri, or the United States District Court for the Eastern District of Missouri, and no other place unless otherwise determined in Graybar's sole discretion. Buyer hereby irrevocably consents to the jurisdiction of such court or courts and agrees to appear in any such action upon written notice thereof.
15. **PAYMENT TERMS** - Payment terms shall be as stated on Graybar's invoice or as otherwise mutually agreed. As a condition of the sales agreement, a monthly service charge of the lesser of 1-1/2% or the maximum permitted by law may be added to all accounts not paid by net due date. Visa, MasterCard, American Express, and Discover credit cards are accepted at point of purchase only.
16. **EXPORTING** - Buyer acknowledges that this order and the performance thereof are subject to compliance with any and all applicable United States laws, regulations, or orders. Buyer agrees to comply with all such laws, regulations, and orders, including, if applicable, all requirements of the International Traffic in Arms Regulations and/or the Export Administration Act, as may be amended. Buyer further agrees that if the export laws are applicable, it will not disclose or re-export any technical data received under this order to any countries for which the United States government requires an export license or other supporting documentation at the time of export or transfer, unless Buyer has obtained prior written authorization from the United States Office of Export Control or other authority responsible for such matters.
17. **CANCELLATION; CHANGES FOR SERVICES** - Buyer may cancel or make changes to a statement of work up to five (5) business days prior to commencement of the work. All changes and cancellations after such date are subject to Graybar's prior written approval in Graybar's sole and absolute discretion. Buyer shall pay to Graybar amounts necessary to cover cancellation, restocking fees and other charges applicable to the cancelled goods or services including those incurred or committed to by Graybar.

Signed: _____

This equipment and associated installation charges may be financed for a low monthly payment through Graybar Financial Services (subject to credit approval). For more information call 1-800-241-7408 to speak with a leasing specialist.

To learn more about Graybar, visit our website at www.graybar.com

24-Hour Emergency Phone#: 1-800-GRAYBAR

Subject to the standard terms and conditions set forth in this document. Unless otherwise noted, freight terms are F.O.B. shipping point prepaid and bill.
Unless noted the estimated ship date will be determined at the time of order placement.



NATIONWIDE SYSTEM INTEGRATION
Providing solutions since 1962



5253 OAKDALE ROAD • SMYRNA, GEORGIA 30082
MAILING ADDRESS: 4480H SOUTH COBB DRIVE • PMB 301 • SMYRNA, GA 30080-6984
PHONE: 404/351-1085 • FAX: 404/794-5784 • EMAIL: admin@c2iinc.com

FLORIDA OPERATIONS OFFICE:
23 S. DILLINGHAM AVENUE, STE. A
KISSIMMEE, FL 34741
PHONE: 404/351-1085

FIELD OFFICES: Georgia
Florida
Tennessee

December 10, 2020

Kiewit Water Facilities South
135 Claude Yates Drive
Franklin, TN 37064

Attn: Bryant Tipton

PROJECT: FRANKLIN WRF MODIFICATIONS & EXPANSION PROJECT
OWNER: CITY OF FRANKLIN, TN
ENGINEER: CDM SMITH, INC.
CONTRACT: 103925-SC-004
KIEWIT JOB NO.: 103925
C2i JOB NO: 09181015

Reference: Screw Press Control Panel / CCA#56

Dear Bryant:

As requested, we are pleased to provide a proposal to make the necessary modifications associated with the referenced authorization.

We understand the NEMA 4X Relay panel is being provided by the electrical so we are only pricing the programming, engineering and onsite time.

The price, per the attached Bid Summary Sheet, is \$3,782.70(no taxes).

If you have any questions, please let us know.

Sincerely,

Mark G. Healey
CONTROL INSTRUMENTS, INC./C2i
MGH/jw
Attachment

cc: Sue Adams / Jonathon Johnson – C2i

BID SUMMARY SHEET

PROJECT: Franklin REFERENCE: CCA 56 Screw Press JOB DURATION: _____
 CONSULTANT: CDM Smith Bid Date: 12/10/2020 PENALTY: _____
 ESTIMATOR: MGH

		PRICE
FIELD EQUIPMENT.....	\$	0.00
PANEL EQUIPMENT.....	\$	0.00
	\$	0.00
	\$	0.00
	\$	0.00
	\$	0.00
	\$	0.00
MATERIAL TOTALS:	\$	0.00

	PRICE			PRICE	SIGN-OFF
ADMINISTRATION	\$1,150.00	/Day x 0.25	Days = \$	287.50	
PURCHASING	\$1,150.00	/Day x 0.00	Days = \$	0.00	
ENGINEERING:	\$1,200.00	/Day x 0.25	Days = \$	300.00	
MANUFACTURING:	\$783.00	/Day x 0.00	Days = \$	0.00	
DOCUMENTATION:	\$684.00	/Day x 0.00	Days = \$	0.00	
PROGRAMMING (PLC):	\$1,200.00	/Day x 0.50	Days = \$	600.00	
PROGRAMMING (OIT):	\$1,200.00	/Day x 0.50	Days = \$	600.00	
SERVICE ESTIMATE:	\$1,200.00	/Day x 1.00	Days = \$	1,200.00	
SERVICE ESTIMATE:	\$1,043.00	/Day x 0.00	Days = \$	0.00	
FREIGHT/SHIPPING:			\$	0.00	
DOCUMENTATION MATERIALS:			\$	50.00	
TRAVEL COST 8 days on \$			\$	200.00	
LABOR TOTALS:			\$	3,237.50	

	PRICE
MATERIAL AND LABOR TOTALS:	\$ 3,237.50
1.60%	\$ 51.80
Bond 1%	0
subtotal	3,289.30
15% Markup	0.00
	\$ 3,782.70
	\$
	\$
	\$
	\$

SELECTED JOB PRICE: \$ 3,782.70

Allowance Yes/No: NO
 Bonds Yes/No: NO
 Taxes Yes/No: NO

TOTAL PRICE: \$ 3,782.70

CONSTRUCTION CHANGE AUTHORIZATION

TO: Mr. Steve Davis
Project Manager
Kiewit Water Facilities South
4405 International Blvd., NW,
Suite C-101
Norcross, Georgia 30093
(770) 940-8044

FROM: CDM Smith
210 25th Ave. N.
Suite 1102
Nashville, TN 37203
(615) 320-3161

DATE: October 30, 2020

PROJECT: City of Franklin, Tennessee
Franklin WRF Modifications & Expansion Project

**CCA
NUMBER:** 58

CDM SMITH PROJ. NO.: 14915-231666

SUBJECT: UV Facility

CITY PROJECT NO.: 2017-0264

REFERENCE: Sheet S-32

DESCRIPTION:

Provide structural modifications to the UV Facility as shown on revised Sh. S-32 attached,

CDM SMITH:

By: _____

Date: _____


4/23/21

CONTRACTOR:

By: _____

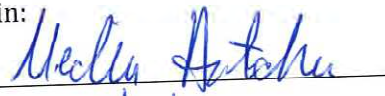
Date: _____

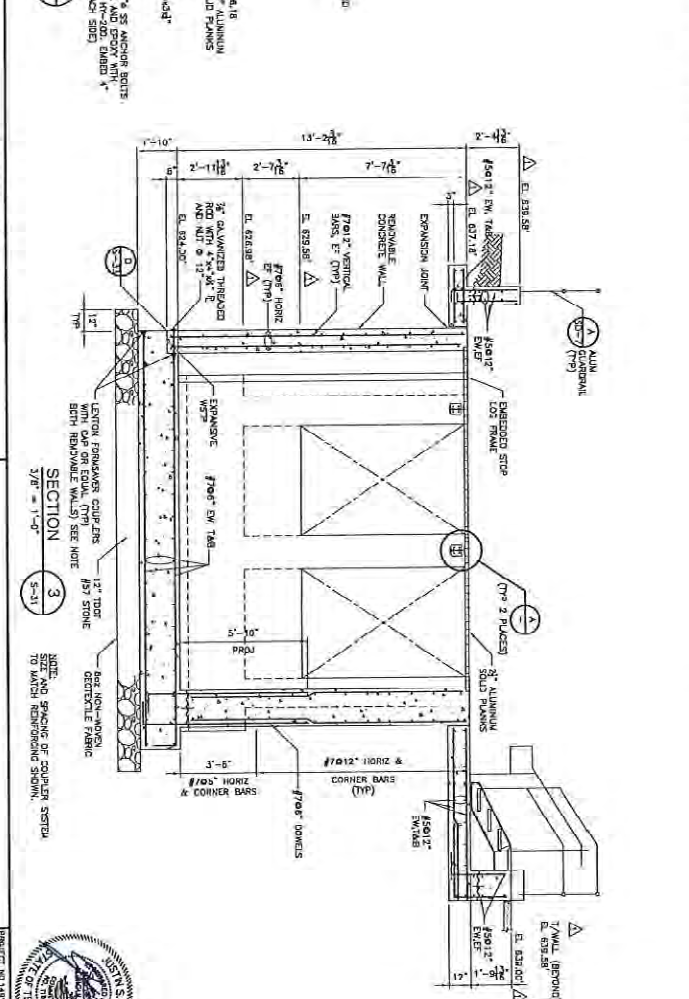

4/23/21

City of Franklin:

By: _____

Date: _____


4/23/21





Kiewit

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

February 9th, 2021

To: Attn: Mr. Dan Harris

CCA-KIEWIT-00069.00

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: CCA 058 - UV Structural Modifications

Dear Mr. Harris,

Please see attached Kiewit's proposal for CCA 058 - UV Structural Modifications in the amount of **Fourteen Thousand Nine Hundred Forty Three Dollars (\$14,943.00)**. This proposal includes the additional concrete work needed to mount the UV Equipment (11265) in the UV Channels.

Sincerely,

Steve Davis
Project Manager

Cc: File
Michelle Hatcher



PCO NO.: CCA 058 - UV Structural Modifications

PREPARED BY: Kian Lawlor

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
CONCRETE SLAB, WALLS AND SOFFIT																	
JOINT PREP	151.50	SF	0.04	6													
LABOR																	
Foreman	1.00	Ea	2.00	2	\$ 62.31	\$ 124.62											\$ 124.62
Laborer	2.00	Ea	2.00	4	\$ 38.78	\$ 155.12											\$ 155.12
ERS FORMS	121.50	SF	0.54	66													
LABOR																	
Foreman	1.00	Ea	16.50	17	\$ 62.31	\$ 1,028.12											\$ 1,028.12
Carpenter	3.00	Ea	16.50	50	\$ 43.28	\$ 2,142.36											\$ 2,142.36
SUBCONTRACT																	
Handset Forms	121.50	SF															
Sprander Ties	121.50	SF															
Shoring																	
INSTALL REBAR	1.70	TN	20.29	34													
LABOR																	
Foreman	1.00	Ea	8.50	9	\$ 62.31	\$ 529.64											\$ 529.64
Carpenter	1.00	Ea	8.50	9	\$ 43.28	\$ 367.88											\$ 367.88
Iron Worker	2.00	Ea	8.50	17	\$ 59.32	\$ 1,178.44											\$ 1,178.44
SUBCONTRACT																	
Material and Detailing	1.00	LS															\$ 2,300.00
PIF/C	14.00	CY	1.93	27													
LABOR																	
Foreman	1.00	Ea	6.75	7	\$ 62.31	\$ 420.59											\$ 420.59
Carpenter	1.00	Ea	6.75	7	\$ 43.28	\$ 292.14											\$ 292.14
Laborer	2.00	Ea	6.75	14	\$ 38.78	\$ 523.53											\$ 523.53
MATERIAL																	
4500PSI Concrete	13.00	CY								\$ 136.50	\$ 1,774.50						\$ 1,774.50
RUB/FINISH	121.50	SF	0.12	15													
LABOR																	
Foreman	1.00	Ea	5.00	5	\$ 62.31	\$ 311.55											\$ 311.55
Laborer	2.00	Ea	5.00	10	\$ 38.78	\$ 387.80											\$ 387.80
OTHER																	
ST'S - small tools, consumables, safety equip, (5% of direct labor, plus 9.75% sales tax: Formula = Total Direct Labor Subtotal *\$5)	148	MHR															\$ 740.00
TAX: (9.75% of Material, Equipment, Other)																	\$ 245.16
BOND (2% of total)																	
SUBTOTALS					148												
MARKUP %						\$ 7,461.78		\$ -		\$ 1,947.51		\$ -		\$ 3,036.29		\$ 812.15	\$ 1,885.03
SUBTOTALS WITH MARKUPS APPLIED						\$ 8,581.05		\$ 1,947.51		\$ 2,239.64		\$ 1,947.51		\$ 3,188.10		\$ 933.97	\$ 14,942.77
TOTAL																	\$ 14,942.77

ATTACHMENT A

Scope of Work

Item	Description	Quantity	Unit of Measure	Unit Price	Total
1	Handset Forms - 30 Day Minimum	1.00	Sq.ft	\$ 1.80	\$ 1.80
2	Handset Forms - 60 Day Minimum	1.00	Sq.ft	\$ 1.35	\$ 1.35
3	Handser Forms - 90 Day Minimum	1.00	Sq.ft	\$ 1.20	\$ 1.20
4	Spreader Tie x 20"	1.00	Sq.ft	\$ 2.00	\$ 2.00
5	Spreader Tie x 16"	1.00	Sq.ft	\$ 1.59	\$ 1.59
6	Spreader Tie x 24"	1.00	Sq.ft	\$ 2.40	\$ 2.40
7	Spreader Tie x 28"	1.00	Sq.ft	\$ 2.79	\$ 2.79
8	EZ Deck Shoring - 60 Day	1.00	Sq.ft	\$ 1.92	\$ 1.92
9	EZ Deck Shoring - 90 Day	1.00	Sq.ft	\$ 1.70	\$ 1.70
10	EZ Deck Shoring - 120 Day	1.00	Sq.ft	\$ 1.60	\$ 1.60
11	EZ Deck Shoring - 150 Day	1.00	Sq.ft	\$ 1.53	\$ 1.53
Total Contract Price (without Taxes)					\$ 19.88

1.0 General Description of the "Work": Seller shall provide all supervision, labor, material, tools and equipment to fabricate, furnish and deliver PVC pipe, small bore carbon steel pipe, and copper pipe, of the type, up to the quantity and at the unit price shown on Attachment A-1, A-2, A-3 attached hereto in accordance with the Contract Documents and the following.

- .1 FURNISH SECTIONS: 03100 – Concrete Formwork, complete per plans, specifications, and addenda [Addenda 1-6].

Also includes in addition to the above, any other applicable and/or related specification sections, including but not limited to: Division 00, Division 1 General Requirements and 15061 Piping – General Requirements.

2.0 Including But Not Limited to:

- .1 The Unit Prices in the Schedule of Valves are firm for the durations of the Project including escalation.
- .2 BOND(s): In lieu of providing the Supply Bond required under Section 14 of the Material Contract General Provisions, Seller shall be required to execute the Bond Waiver Form attached hereto as **Exhibit C-5**.
- .3 Seller will provide 0% of the Seller's total contract dollar value in DBE participation.
- .4 Material is not exempt from sales or use taxes.
- .5 **Industrial Machinery Sales and Use Tax Exemption Certificate – Attachment C-3 (per Specification Section 00800 Supplementary Conditions Article SC-6.10A).** Sales and Use Tax Exemption Certificate will be provided for the Project by the Contractor.
- .6 Seller agrees to assign to Owner at the time of Substantial Completion of the Work, all manufacturer's warranties relating to the Work as required by the Contract Documents.

Kian.Lawlor

From: Boyuka, John M <John.Boyuka@cmc.com>
Sent: Wednesday, January 27, 2021 11:05 AM
To: Kian.Lawlor
Cc: Jared.Carr; Boyuka, John M
Subject: [EXTERNAL] RE: Franklin - FFU Drawings

Adding approx. 1.7 tons and 4 hours of re-detailing \$2,300.00

Let me know if I need the changes made on the shop drawings.

Thanks

John M. Boyuka
Project Manager
mobile: 901-361-4135

COMMERCIAL METALS COMPANY
CMC Rebar
4280 Sidco Dr.. | Nashville, TN 37204
cmc.com

From: Kian.Lawlor <Kian.Lawlor@kiewit.com>
Sent: Tuesday, January 26, 2021 1:36 PM
To: Boyuka, John M <John.Boyuka@cmc.com>
Cc: Jared.Carr <Jared.Carr@kiewit.com>
Subject: RE: Franklin - FFU Drawings

CAUTION: This email originated from outside of CMC's network. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Kian.Lawlor

From: Boyuka, John M <John.Boyuka@cmc.com>
Sent: Monday, December 14, 2020 12:03 PM
To: Kian.Lawlor
Cc: Bristyl.Baker
Subject: [EXTERNAL] RE: Franklin WRF Rebar Pricing

#4 \$0.35
#5 \$0.52
#6 \$0.76

Thanks

John M. Boyuka
Project Manager
mobile: 901-361-4135

COMMERCIAL METALS COMPANY
CMC Rebar
4280 Sidco Dr.. | Nashville, TN 37204

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Job No.: 103925

Seller Name: Iml Tennessee LLC
Material Contract No.: 103925-MC-064
Contract ID No. 809941

EXHIBIT D

MATERIAL CONTRACT CHANGE ORDER

Job Name: Franklin WRF Modifications & Expansion Project

Job No. 103925

Material Contract No. 103925-MC-064

Company No. 1044

TO: (Seller's Name and Address)

IMI Tennessee LLC

2001 Antloch Pike

Nashville, TN 37013

Material Contract Change Order No. 1

FROM: (Contractor's Name and Address)

Klewit Infrastructure South Co.

4405 International Blvd., NW, Suite C-101

Norcross, GA 30093

Pursuant to the "Changes" clause of the Material Contract, the following changes are made:

1. See approximate quantities in table below.

Item	Description	Unit	Unit Price	Revised Qty	New Total
1	E2 4,500 PSI Concrete	CY	\$127.50	4,000	\$ 510,000.00
2	Chilled Water	CY	\$3.00	3,250	\$ 9,750.00
3	High Range	CY	\$7.50	3,250	\$ 24,375.00
4	Saturday Delivery	Ea	\$50.00	150	\$ 7,500.00
5	Environmental	Ea	\$12.00	450	\$ 5,400.00
6	Minimum Load	Ea	\$100.00	115	\$ 11,500.00

2.0 Including But Not Limited to:

1. The unit prices in the Schedule of Values are firm through February 28, 2021, and shall increase \$9.00 per cubic yard annually thereafter. Quantities may increase or decrease at Contractor's option. Seller shall be paid only for actual quantities received and verified by Contractor.
2. BOND(s): Not Required
3. Seller will provide 0% of the Seller's total contract dollar value in DBE participation.
4. Material is not exempt from sales or use taxes.
5. Seller shall attend and participate in Contractor's daily and/or weekly scheduling and coordination meetings as determined by the Contractor.
6. Seller shall submit a quality plan to Contractor prior to start of Work.
7. Seller shall provide all required material certifications or tests prior to or upon delivery of materials to site.
8. Contractor shall receive a ^{43.00}3% discount on all proper invoices paid within 10 days after Contractor's receipt.

CONSTRUCTION CHANGE AUTHORIZATION

TO: Mr. Steve Davis
Project Manager
Kiewit Water Facilities South
4405 International Blvd., NW,
Suite C-101
Norcross, Georgia 30093
(770) 940-8044

FROM: CDM Smith
210 25th Ave. N.
Suite 1102
Nashville, TN 37203
(615) 320-3161

DATE: January 31, 2020

PROJECT: City of Franklin, Tennessee
Franklin WRF Modifications & Expansion Project

CCA NUMBER: 034 **CDM SMITH PROJ. NO.:** 14915-231666

SUBJECT: EQ Pump Relocation **CITY PROJECT NO.:** 2017-0264

REFERENCE: (See Below)

DESCRIPTION: Relocate Equalization Pumps P-410-1 and P-410-2 to accommodate the heights of the submitted pumps as shown on revised Sheets M-2, M-5, M-7 and S-2 (att.) and described below;

Sh. M-2; Suction centerlines of P-410-1 and P-410-2 to be located 6'-7" from the inside faces of the east and west walls, respectively, of the pump room. Relocate 24" PV FL (1 each pump) as shown on Sh. M-5 (rev.).

Sh. M-5; Distance from bottom of the 24" 90-degree bend - DI Flare x FL is revised from 6" to 11". Centerline of suction elevation remains el. 641.62. Relocate 24" PV FL (1 each pump) as referenced above.

Sh. M-7; Relocate seal water panels as shown.

Sh. S-2; Revise locations of the pump supports as shown, change from 3-sided to 2-sided to allow access to the cleanout cover on the 90-degree bends beneath the pumps. Remove existing reinforcing dowels and patch/repair sim. H/SD-2.

CDM SMITH:

By: _____

Date: _____


4/23/21

CONTRACTOR:

By: _____

Date: _____

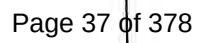

4/23/21

City of Franklin:

By: _____

Date: _____


4/23/21





Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

January 6, 2021

To: Attn: Mr. Dan Harris

CCA-KIEWIT-00066.00

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: REVISED CCA 34 – EQ Pump Relocation

Dear Mr. Harris,

Attached you will find Kiewit's revised change proposal for **CCA 034 – EQ Pump Relocation**, amounting to **Nine Thousand Nine Hundred and Forty-Three Dollars (\$9,943.00)**.

In addition to the costs associated with CCA – 034, Kiewit has included costs associated with modifications to the pump suction piping related to RFI's 290 & 323 and supports for the check valves on the pump discharge piping.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022



DATE: 1/6/2021

PCO NO.: CCA-034

PREPARED BY: Bryant Tipton

PCO NO.: CCA 034																		PREPARED BY: Bryant Lipton			
DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT				
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost					
CCA 034 - EQ PUMP RELOCATION																					
Relocate & Reinstall Wall Pipe	5.00	MH	1.00	5	\$ 62.31	\$ 311.55											\$ 311.55				
Foreman	15.00	MH	1.00	15	\$ 42.99	\$ 644.85											\$ 644.85				
Carpenter	5.00	MH	1.00	5	\$ 46.34	\$ 231.70											\$ 231.70				
Crane Operator	5.00	HR															\$ 949.80				
Tadano GR-800XL-1 Crane																	\$ 2,293.36				
Suction Pump Piping Modifications - RFI 323 & 290	2.00	EA							\$ 1,146.68	\$ 2,293.36							\$ 4,800.00				
24" Megaflange	4.00	EA							\$ 1,200.00	\$ 4,800.00							\$ (5,917.34)				
24" Purchase Pipe Supports	2.00	EA							\$ (2,958.67)	\$ (5,917.34)											
Harness Flange Adapter Couplings	2.00	EA															\$ (400.00)				
Credit for Concrete Pipe Supports In Headworks	0.40	TN							\$ (1,000.00)	\$ (400.00)							\$ (198.90)				
Purchase Reinforcing Steel	1.56	CY							\$ (127.50)	\$ (198.90)							\$ (498.48)				
Purchase Concrete (Class E 4500 PSI)	8.00	HR	1.00	8	\$ (62.31)	\$ (498.48)											\$ (343.92)				
Foreman	8.00	HR	1.00	8	\$ (42.99)	\$ (343.92)											\$ (291.36)				
Carpenter (Building)	8.00	HR	1.00	8	\$ (36.42)	\$ (291.36)															
Laborer																					
Remove Existing Reinforcing Dowels & Repair Concrete	13.00	MH	1.00	13	\$ 62.31	\$ 810.03											\$ 810.03				
Foreman	21.00	MH	1.00	21	\$ 42.99	\$ 902.79											\$ 902.79				
Carpenter																					
Bush/Prep Concrete Surface	8.00	MH	1.00	8	\$ 62.31	\$ 498.48											\$ 498.48				
Foreman	16.00	MH	1.00	16	\$ 42.99	\$ 687.84											\$ 687.84				
Carpenter																					
Install Dowels	10.00	EA							\$ 46.00	\$ 460.00							\$ 460.00				
Purchase #5 Rebar Dowels	2.00	EA							\$ 512.01	\$ 1,026.22							\$ 1,026.22				
Purchase Hiil HIT-HY 200 Adhesive Epoxy	8.00	EA							\$ 66.09	\$ 528.72							\$ 528.72				
Purchase 3/4" Drill Bits - 14"	2.00	EA							\$ 67.30	\$ 422.20							\$ 422.20				
Purchase 3/4" Drill Bits - 12"	14.00	EA							\$ 43.36	\$ 173.44							\$ 173.44				
Purchase Bushing Bits	4.00	EA							\$ 9.39	\$ 46.95							\$ 46.95				
Grout	5.00	EA																			
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																					
OTHER																					
STS - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax: Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)	107	MHR													\$ 5.00	\$ 535.00	\$ 535.00				
TAX: (9.75% of Material, Equipment, Other)																					
BOND (2% of total)																					
SUBTOTALS																					
MARKUP %																					
SUBTOTALS WITH MARKUPS APPLIED																					
BOND																					
TOTAL																					

**Kiewit Infrastructure South Co
Hourly Rates (Confidential)
2020 Breakdown of Craft Wage Burden Rates**

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Project No: 103925

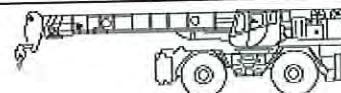
Wage Type	Burden %	Foreman		Dozer		Loader/Roller		Forklift/Crane		Excavator		Pipelayer		Laborer	
		Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages		\$ 40.00	\$ 60.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 24.00	\$ 36.00
PTO Burden		\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	8.76%	\$ 3.50	\$ 5.26	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.45	\$ 3.68	\$ 2.10	\$ 3.15
Retirement Burden		\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden		\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	3.73%	\$ 1.49	\$ 2.24	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.04	\$ 1.57	\$ 0.90	\$ 1.34
Additional Wages		\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subsistence		\$ 15.07	\$ 15.07	\$ 7.18	\$ 7.18	\$ 7.19	\$ 7.19	\$ 7.50	\$ 7.50	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18
Total		\$ 62.31	\$ 84.80	\$ 46.02	\$ 62.89	\$ 40.93	\$ 56.68	\$ 46.34	\$ 63.21	\$ 40.92	\$ 56.67	\$ 40.92	\$ 56.67	\$ 36.42	\$ 49.92

Wage Type	Burden %	Survey		Pipefitter (Building)		Pipefitter (Heavy)		Carpenter (Building)		Carpenter (Heavy)		Iron Worker (Building)		Iron Worker (Heavy)	
		Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages		\$ 33.00	\$ 49.50	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16	\$ 28.00	\$ 42.00	\$ 26.77	\$ 40.16	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16
PTO Burden		\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	8.76%	\$ 2.89	\$ 4.34	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52	\$ 2.45	\$ 3.68	\$ 2.35	\$ 3.52	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52
Retirement Burden		\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden		\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	3.73%	\$ 1.23	\$ 1.85	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50	\$ 1.04	\$ 1.57	\$ 1.00	\$ 1.50	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50
Additional Wages		\$ -	\$ -	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94	\$ -	\$ -	\$ 12.94	\$ 12.94	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94
Subsistence		\$ 13.92	\$ 13.92	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25
Total		\$ 53.28	\$ 71.84	\$ 66.96	\$ 87.51	\$ 52.47	\$ 67.53	\$ 42.99	\$ 58.74	\$ 54.54	\$ 69.60	\$ 69.03	\$ 89.58	\$ 54.54	\$ 69.60

Wage Type	Burden %	Millwright	
		Straight	OT
Labor - Base Wages		\$ 26.77	\$ 40.16
PTO Burden		\$ 0.19	\$ 0.19
Tax Burden	8.76%	\$ 2.35	\$ 3.52
Retirement Burden		\$ 0.39	\$ 0.39
Health Burden		\$ 1.66	\$ 1.66
Insurance Burden	3.73%	\$ 1.00	\$ 1.50
Additional Wages		\$ 12.94	\$ 12.94
Subsistence		\$ 7.18	\$ 7.18
Total		\$ 52.47	\$ 67.53

Rental Rate Blue Book®
Tadano GR-800XL-1 (disc. 2010)

Rough Terrain Hydraulic Cranes



Size Class:

66.0 - 80.9 MTons

Weight:

107965 lbs

Configuration for GR-800XL-1 (disc. 2010)

Axle Configuration	4 X 4 X 4	Maximum Boom Length	144.4 ft
Maximum Lift Capacity	72.6 mt	Net Horsepower	270.0 hp
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$15,285.00	USD \$4,280.00	USD \$1,070.00	USD \$160.00	USD \$96.17	USD \$183.02
Adjustments						
Region (Franklin, Tennessee: 108%)	USD \$1,222.80	USD \$342.40	USD \$85.60	USD \$12.80		
Model Year (2010: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$16,507.80	USD \$4,622.40	USD \$1,155.60	USD \$172.80	USD \$96.17	USD \$189.96

Non-Active Use Rates

Standby Rate	Hourly
Idle Rate	USD \$51.59
	USD \$127.66

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	38%	USD \$5,808.30/mo
Overhaul (ownership)	45%	USD \$6,878.25/mo
CFC (ownership)	10%	USD \$1,528.50/mo
Indirect (ownership)	7%	USD \$1,069.95/mo
Fuel (operating) @ USD 3.07	35%	USD \$33.87/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)



DUPLICATE
INVOICE

1830 Craig Park Court
St. Louis, MO 63146

WESTERN SUMMIT CONSTRUCTORS
4405 C INT BLVD
SUITE C-101
NORCROSS GA 30093

Invoice # M523285
Invoice Date 6/19/20
Account # 206322
Sales Rep JARED JONES
Phone # 615-893-0900
Branch #248 Murfreesboro, TN
Total Amount Due \$2,418.36

Remit To:
CORE & MAIN LP
PO BOX 28330
ST. LOUIS, MO 63146

Shipped To:
FRANKLIN WRF
135 CLAUDE YATES DRIVE
ANDY MCMILLEN (615) 477-2969
FRANKLIN, TN

CUSTOMER JOB- FRANKLI FRANKLIN WRF

Thank you for the opportunity to serve you! We appreciate your prompt payment.

Date Ordered	Date Shipped	Customer PO #	Job Name	Job #	Bill of Lading	Shipped Via	Invoice#
6/16/20	6/18/20	FIELD PO	FRANKLIN WRF	FRANKLI		BEST WAY	M523285

Product Code	Description	Quantity		B/O	Price	UM	Extended Price
		Ordered	Shipped				

2424F2124	CORE & MAIN PO#- 9819123	2	2	1146.68000	EA	2,293.36
	24 MEGAFLANGE 2124					

Freight	Delivery	Handling	Restock	Misc
\$125.00				
Terms: NET 30				

Subtotal: 2,293.36
Other: 125.00
Tax: .00
Invoice Total: \$2,418.36

This transaction is governed by and subject to Core & Main's standard terms and conditions, which are incorporated by reference and accepted.
To review these terms and conditions, please visit: <http://tandc.coreandmain.com/>

From: Jones, Jared <Jared.Jones@coreandmain.com>
Sent: Wednesday, December 9, 2020 1:17 PM
To: Bryant.TiptonII
Cc: May, Linda
Subject: [EXTERNAL] RE: **Quote Request - 2 Harness Flange Adapter Couplings**

Bryant,
See below costs. Both items are all AIS compliant.

Thanks,
Jared Jones, Assoc. DBIA
SE Region Treatment Plant Group
Sales Representative
Mobile 205-572-8976
jared.jones@coreandmain.com



This message is for intended addressee(s) only and may contain confidential, proprietary or privileged information, exempt from disclosure, and subject to terms at: <http://emailterms.coreandmain.com>.

From: Bryant.TiptonII
Sent: Wednesday, December 9, 2020 12:51 PM
To: Jones, Jared <Jared.Jones@coreandmain.com>
Cc: May, Linda <Linda.May@coreandmain.com>
Subject: **Quote Request - 2 Harness Flange Adapter Couplings**

Jared,

Can you please provide me a quote for (2) 24" Harness Flange Adapter Couplings? - \$2,958.67/ea

Thanks,



Bryant Tipton
Office Engineer II
Franklin WRF Modifications and Expansion Project

KIEWIT INFRASTRUCTURE SOUTH CO.
135 Claude Yales Dr., Franklin, TN 37064
531-232-7855 Cell
Bryant.TiptonII@kiewit.com

From: Boyuka, John M <John.Boyuka@cmc.com>
Sent: Friday, December 11, 2020 8:58 AM
To: Bryant.TiptonII
Cc: Boyuka, John M
Subject: [EXTERNAL] RE: **Quote Request - Rebar for Concrete Pipe Supports

It would add approx.. 400# and \$200.00

Clarifications

#6 verts @12" E.F

#4 horiz. U-bars @12"

Thanks

John M. Boyuka

Project Manager
mobile: 901-361-4135

COMMERCIAL METALS COMPANY
CMC Rebar
4280 Sidco Dr.. | Nashville, TN 37204
cmc.com

From: Bryant.TiptonII <Bryant.TiptonII@kiewit.com>
Sent: Thursday, December 10, 2020 12:52 PM
To: Boyuka, John M <John.Boyuka@cmc.com>
Subject: **Quote Request - Rebar for Concrete Pipe Supports

John,

Can you please provide me a quote I will need for CCA 34. There are two concrete pipe supports pictures on M-7....

6'11" Tall
2'8" Wide
1'0" Deep

I just rounded and made it 7' x 3' x 1'. I figured each one at 0.78 cubic yards of concrete. Can you please provide a quote for the rebar needed to complete these?

Thanks,



Bryant Tipton

Office Engineer II
Franklin WRF Modifications and Expansion Project

KIEWIT INFRASTRUCTURE SOUTH CO.
135 Claude Yates Dr., Franklin, TN 37064
531-232-7855 Cell
Bryant.TiptonII@kiewit.com

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Job No.: 103925

Seller Name: imi Tennessee LLC
Material Contract No.: 103925-MC-064
Contract ID No. _____

Attachment A Scope of Work

Schedule of Values

Item	Description	Quantity	Unit of Measure	Unit Price	Total
1	E2 - 4,500 psi (after March 1st, 2020) subject to 3% discount as stated in Item 2.8 below	3,250	CY	\$ 127.50	\$ 414,375.00
	Total Contract Price (without tax)				\$ 414,375.00

1.0 General Description of the "Work": Seller shall provide all supervision, labor, material, tools and equipment to furnish and deliver all cast-in-place concrete material in accordance with the Contract Documents, and the following,

.1 FURNISH SECTIONS: Specification Section 03300 – Cast-In-Place Concrete and Section 03600 – Grout.

Also includes in addition to the above, any other applicable and/or related specification sections, including but not limited to: Division 00, Division 1 General Requirements and other any applicable sections.

.2 Quantities are approximate and may increase or decrease at Contractor's option. Seller shall be paid for actual quantities received and installed. Seller shall furnish all required certifications and submittals as defined in the specifications at no additional cost to Contractor.

.3 Contractor shall not pay for material delivered on site that does not meet requirements stated in Specification Section 03300 – Cast-In-Place Concrete and Section 03600 – Grout.

2.0 Including But Not Limited to:

.1 The unit prices in the Schedule of Values are firm through February 28, 2021, and shall increase \$9.00 per cubic yard annually thereafter. Quantities may increase or decrease at Contractor's option. Seller shall be paid only for actual quantities received and verified by Contractor.

.2 BOND(s): Not Required

.3 Seller will provide 0% of the Seller's total contract dollar value in DBE participation.

.4 Material is not exempt from sales or use taxes.

.5 Seller shall attend and participate in Contractor's daily and/or weekly scheduling and coordination meetings as determined by the Contractor.

.6 Seller shall submit a quality plan to Contractor prior to start of Work.

.7 Seller shall provide all required material certifications or tests prior to or upon delivery of materials to site.

CPH .8 Contractor shall receive a ~~3%~~ ^{\$3.00} discount on all proper invoices paid within 10 days after Contractor's receipt.

3.0 Exclusions:

.1 None.

4.0 Schedule of Work:

.1 Seller shall attend schedule meetings prior to major pours.

.2 Seller shall provide material to meet the project schedule and production demands. Seller shall provide multiple crews for material to be delivered timely to different areas of the Project, at no additional cost to Contractor.



Date: December 8, 2020
Proposal #: JMB120820
Project: Franklin WWTP (CCA 34)
Location: Franklin, TN
From: John M. Boyuka
901-361-4135 - Cell

CMC Rebar

REINFORCING STEEL PROPOSAL

CMC Rebar proposes to furnish the following material, for the above project, as shown on drawings:

The following Addenda are acknowledged: None
The following Specifications are acknowledged: None

All material shall be furnished in accordance with the recommended industry practice of the Concrete Reinforcing Steel Institute and the C.R.S.I. Manual of Standard Practice, unless otherwise described herein. All material will be new billet uncoated deformed reinforcing steel per A.S.T.M. Specification A615 (latest edition) Grade 60. All material will be cut to length, bent, bundled and tagged, including detailed placing drawings, per plans & specs; delivered in 40,000 lb truckload quantities to the nearest accessible point to the jobsite under its own power, unloading not included. Reinforcing bar supports are included for supported horizontal slab and beam construction only and will be furnished at the standard spacing recommended by the C.R.S.I. Specifications, only as they pertain to material and workmanship described therein or as specifically modified in this proposal. Unless otherwise noted, this proposal is a lump sum dollar amount to provide specified materials per this proposal. All weights published are for illustrative purposes only and CMC makes no guarantee of job weight.

LUMP SUM PRICE: \$460.00 (All Pricing Excludes Tax)

#5 x 14" rebar dowels \$10.00
Delivery \$450.00

STANDARD EXCLUSIONS:

Erection / Placing / Tie Wire	Galvanized or Epoxy Coating	Sleeves, caps or grease	Supports for top bars in slabs over 48" thick
Metal Tags	Supports for bottom bars on grade	PE Stamp on shop drawings	Construction Joint / Smooth Dowels
Wall Spacer Bars	Cost of bonds / taxes	Electrical Ductbank	Add'l steel required for lifting tilt-up panels
Mechanical Couplers	A706 Weldable Steel	Int/Ext Mechanical Pads	Supports for vertical reinforcing
Post-tension or Pre-cast Work	#2 Masonry Ties	Spirals, lacing and galloping truss bars	BIM and 3D Modeling
	Detailing CMU in Elevation	Dowel Bar Anchors	Any item not specifically mentioned

SPECIFIC EXCLUSIONS:

This quotation is issued strictly for acceptance within 30 days of the proposal date above. The Seller has no obligation to supply materials at the above prices, unless a signed copy of this proposal or a mutually agreed upon Purchase Order has been executed by both parties, prior to the end of the stated period.

SPECIAL PRICING:

Two (2) hours of free unloading time will be allowed. Additional unloading time will be charged to the Buyer at \$75 per hour.
Engineering/Estimating changes/revisions to placing drawings for additions/deletions to the original contract documents shall be extra to contract at \$100 per hour.

PRICE ADJUSTMENT:

The prices will be increased by \$30.00 per ton after 3/31/21, and then by \$30.00 per ton every three (3) months thereafter.

SCHEDULE: Price reflects an approximate start date of XXX and a completion date of XXX. Schedule slippage of more than 60 days may be subject to re-negotiation.

TERMS OF SALE:

Net 30 days / No Retainage : See attachment 1 - Terms & Conditions.

CHANGE ORDERS:

See attachment 1 - Terms & Conditions.

CLAIMS:

See attachment 1 - Terms & Conditions.

OTHER STIPULATIONS / CLARIFICATIONS:

See attachment 1 - Terms & Conditions.

THIS IS NOT A MATERIALS REQUIREMENTS PROPOSAL/QUOTATION

If you wish to enter into an agreement with us, please sign, date and return this quote. Upon credit approval, we will finalize our agreement by fully executing and return a copy to you.

Customer acceptance:

Signature: _____ Date: _____

Print: _____ Title: _____

Company: _____

Vendor acceptance:

Signature: _____ Date: _____

Print: _____ Title: _____

Company: CMC Rebar

Bill To:
1044 -103925
Kiewit Infrastructure South Co.
PO Box 452500
Omaha NE 68145-2500
US
Email: KHS.InvoicesAP@kiewit.com



Kiewit

PURCHASE ORDER

PO Number: 4501841725

(PO Number and Goods Recipient must appear on all documents and packages)

Vendor # 10004643

Hilti Inc
5400 S 122nd E Ave
Tulsa OK 74146
US

Phone: 918-872-3767
Fax: 800-579-7000
Attn: HILTI INC 129893-001
Email: directdebit@hilti.com

Ship To:

103925
103925
135 Claude Yates Dr
FRANKLIN TN 37064
US
Tax Jurisdiction: 4318702800

Goods Recipient:

Drew Selsor

Project Number: 103925 Franklin WRF Modifications and
Expansion:
Plant/Sloc: 0641 / 0007
Date Ordered: 09/11/2020
Revision Date:
PO Total: 1,059.29
Payment Terms: VP15
Incoterm Key/Location: DDP Delivery Duty Paid
Buyer: KMP-BUYER
Email:

Item	Product Number	Description	Qty	UOM	Price per Unit	Tax Code	Delivery Date	Amount
1	2127087 	TE detachable power cord (Standard)	1,000	EA	34.07 USD/1 EA	Taxable	09/17/2020	34.07 USD
Manufacturer Part Number: 2127087								
2	3499474 	Hybrid adh HY 200-R 11.1oz/330ml IMC + r	2,000	EA	512.61 USD/1 EA	Taxable	09/17/2020	1,025.22 USD
	21000001072 	ANCHORS						
Manufacturer Part Number: 3499474								
								Total Value: 1,059.29 USD
Total Value excludes sales and use tax imposed on sale to Purchaser								

Purchaser: _____

Vendor: _____

Owner (if required): _____

Legal Terms and Conditions :

Purchaser may be a federal contractor, and Seller may be a federal subcontractor. If seller is a federal subcontractor, then unless exempted, the Equal Opportunity clauses as set forth in 41 CFR §60-1.4(a), 41 CFR §60-1.4(b), 41 CFR §60-250.5(a), 41 CFR §60-300.5(a), and 41 CFR §60-741.5(a), as well as the specifications set forth in 41 CFR §60-4.3(a) and the provisions of 41 CFR §61-250.10, 41 CFR §61-300.10, and 29 CFR Part 471, Appendix A to Subpart A and, if applicable, requirements of Form FHWA-1273, are incorporated by reference and shall be binding on Seller.

Except for breaches of confidentiality and vendor's third party indemnity obligations, neither party (or its affiliates, employees, contractors or suppliers, when acting in such capacity with



McMASTER-CARR®

404-346-7000
404-349-9091 (fax)
atl.sales@mcmaster.com

Ship to

Kiewit Infrastructure South Co
C/O City of Franklin
Wastewater Treatment Plant
135 Claude Yates Dr
Franklin TN 37064

Attention Drew Selsor

Order Confirmation

Purchase Order
4502223978

Order Date
12/3/20

Ordered By
Drew Selsor

McMaster-Carr Number
6841446

Line	Product	Ordered	Delivers	Price	Total
1	88705A13 SDS-Max-Shank Masonry Drill Bit for Rotary Hammers, 9/16" Size, 14" Overall Length	4 each	Dec 4	63.52 each	254.08
2	88705A19 SDS-Max-Shank Masonry Drill Bit for Rotary Hammers, 3/4" Size, 14" Overall Length	8 each	Dec 4	66.09 each	528.72
3	28655A54 Masonry Drill Bit for Rebar-Cutting, SDS-Plus-Shank, 9/16" Size, 12" Overall Length	10 each	Dec 4	56.58 each	565.80
4	28655A61 Masonry Drill Bit for Rebar-Cutting, SDS-Plus-Shank, 3/4" Size, 12" Overall Length	10 each	Dec 4	67.30 each	673.00
5	28655A65 Masonry Drill Bit for Rebar-Cutting, SDS-Plus-Shank, 7/8" Size, 12" Overall Length	10 each	Dec 4	90.23 each	902.30
6	7353T418 Hand-Held LT Cleaning and Deburring Tube Brush with Stainless Steel Bristles, 9/16" Diameter, 9" Overall Length, Steel Stem	10 each	Dec 4	2.26 each	22.60
7	7353T512 Hand-Held LT Cleaning and Deburring Tube Brush with Stainless Steel Bristles, 3/4" Diameter, 9" Overall Length, Steel Stem	10 each	Dec 4	2.42 each	24.20
8	7353T514 Hand-Held LT Cleaning and Deburring Tube Brush with Stainless Steel Bristles, 7/8" Diameter, 10" Overall Length, Steel Stem	10 each	Dec 4	2.87 each	28.70

Merchandise \$2,999.40

Applicable shipping and tax will be added.

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McMaster-Carr Supply Company



McMASTER-CARR®

562-692-5911
562-695-2323 (fax)
la.sales@mcmaster.com

Ship to

Kiewit Infrastructure South Co
C/O City of Franklin
Wastewater Treatment Plant
135 Claude Yates Dr
Franklin TN 37064

Attention 103925-FRANKLIN Wrf Modifications And
Expansion. 135 Claude Yates Dr

Order Confirmation

Purchase Order

4502107857

Order Date

11/4/20

Ordered By

Drew Selsor

McMaster-Carr Number

5593170

Line	Product	Ordered	Delivers	Price	Total
1	28655A61 Masonry Drill Bit for Rebar-Cutting, SDS-Plus-Shank, 3/4" Size, 12" Overall Length	4 each	Nov 5	67.30 each	269.20

Merchandise \$269.20

Applicable shipping and tax will be added.

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

McMaster-Carr Supply Company



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1-3/4 in. Square x 9-1/4 in. 16-Tooth Head Hammer Steel SDS-MAX Bushing Tool

24

by **Bosch**

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- Fits Bosch and competitor rotary hammers with SDS-max shanks
- 16-tooth head removes excess concrete, produces exterior finish
- [See More Details](#)

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Franklin
November 06, 2020

Kiewit Infrastructure South Co.
135 Claude Yates Drive
Franklin, Tennessee 37064
ATTN: Andy McMillen

Subject: PS5 Headworks Pipe Support Changes and Additions

Mr. McMillen,

SAC submits the following proposal in the amount of ~~\$6,600.00~~ **\$4,800.00**

This proposal is in response to the request for revisions received on November 02, 2020.

Scope

(3) Detail 7/PS1.15, 4" D.I., TOC to Bolt Circle will be 3'-1/2"

(1) Detail 6/PS1.15, 6" D.I., TOC to Centerline of pipe will be 2'-11"

(2) Detail 3/PS1.12 SIM, 24" D.I. Pipe Flange Head with stem only to fit on existing adjustable stanchion

(2) Detail 3/PS1.12 SIM1, 24" D.I. Pipe Flange Support, TOC to Bolt Circle will be 6'-1/2"

Notes

- All material is Carbon Steel and Hot Dip Galvanized as well as AIS Compliant
- Excludes changes to Engineering Drawings
- Includes anchors and all other hardware necessary for installation
- Includes freight to the jobsite
- Excludes any local, state, or federal taxes
- An additional support for Detail 7/PS1.15 was quoted instead of a flange head only for Detail 5/PS1.12 because adding a 17" longer extension could make the support unstable
- An entire support for Detail 6/PS1.15 was quoted due to the potential for instability as well

If Kiewit Infrastructure approves of the above proposal and would like SAC Incorporated to proceed with this scope of work, please provide written authorization to proceed.

Please contact me if additional information is required.

Thanks,

Hannah Griffin
Project Management Coordinator
hgriffin@sacincorporated.com
802-448-5471

From: Hannah Griffin <hgriffin@sacincorporated.com>
Sent: Monday, December 7, 2020 9:40 AM
To: Bryant.TiptonII <Bryant.TiptonII@kiewit.com>
Cc: Todd Pollick <tpollick@sacincorporated.com>; Jennifer Largess <jlargess@sacincorporated.com>; William.McMillen <William.McMillen@kiewit.com>
Subject: [EXTERNAL] RE: CCA #34 - Pipe Supports

Good morning Bryant,

This seems to involve a proposal (see attached) that we have already closed out in Change Order No. 01 and are currently fabricating as release 17104_01E. The pricing of just the (4) 24" details is \$4,800.00 of the \$6,600.00 listed in this proposal. Please let us know if you need anything else from us.

Thank you,

Hannah Griffin

From: Bryant.TiptonII <Bryant.TiptonII@kiewit.com>
Sent: Friday, December 4, 2020 11:12 AM
To: Hannah Griffin <hgriffin@sacincorporated.com>
Subject: CCA #34 - Pipe Supports

This email was sent from outside of your organization.

Hannah,

My name is Bryant Tipton and I work for Kiewit. One of our field engineers, Andy McMillen, has told me you are the person to contact for this.

I am trying to wrap up submitting CCA 34 to the engineer as soon as possible and the only thing I lack is a quote for the pipe supports that are required. Do you have an itemized quote (and shop drawings showing size and dimensions) of the pipe supports that will be required for the changes associated with CCA 34?

Thanks,



Bryant Tipton
Office Engineer II
Franklin WRF Modifications and Expansion Project

KIEWIT INFRASTRUCTURE SOUTH CO.
135 Claude Yates Dr., Franklin, TN 37064
531-232-7855 Cell
Bryant.TiptonII@kiewit.com

Quotation

Bill-To-Party : 119957 KIEWIT CORPORATION 1000 KIEWIT PLAZA OMAHA NE 68131		Information Quotation Number 20843312 Quotation Created Date 01/06/2021 Customer Number 119957																																					
Ship-To-Party : 5325146 KIEWIT 4-40 OFFICE 105 CONTINENTAL PLACE BRENTWOOD TN 37027		Inside Salesman Leo Born Outside Salesman Dave Brown Validity Start Date 01/06/2021 Validity End Date 02/05/2021																																					
Notes from the Customer:																																							
<table border="1"> <thead> <tr> <th>Item</th> <th>Material</th> <th>Quantity</th> <th>Price Per</th> <th>Unit</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>*10</td> <td>SIK-525 501 SIKAGROUT 212 50LB BAG</td> <td>1 EA</td> <td>9.39 \$</td> <td>1 EA</td> <td>9.39</td> </tr> <tr> <td colspan="5"> Items total: </td> <td>9.39</td> </tr> <tr> <td colspan="5"> *Sales Tax: </td> <td>0.87</td> </tr> <tr> <td colspan="5"> Sales Coupon: </td> <td>0.00</td> </tr> <tr> <td colspan="5"> Total Amount: </td> <td>\$ 10.26</td> </tr> </tbody> </table>				Item	Material	Quantity	Price Per	Unit	Amount	*10	SIK-525 501 SIKAGROUT 212 50LB BAG	1 EA	9.39 \$	1 EA	9.39	Items total:					9.39	*Sales Tax:					0.87	Sales Coupon:					0.00	Total Amount:					\$ 10.26
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Items total:					9.39																																		
*Sales Tax:					0.87																																		
Sales Coupon:					0.00																																		
Total Amount:					\$ 10.26																																		

Signature _____ Date _____

CONSTRUCTION CHANGE AUTHORIZATION

TO: Mr. Steve Davis
Project Manager
Kiewit Water Facilities South
4405 International Blvd., NW,
Suite C-101
Norcross, Georgia 30093
(770) 940-8044

FROM: CDM Smith
210 25th Ave. N.
Suite 1102
Nashville, TN 37203
(615) 320-3161

DATE: July 1, 2020

PROJECT: City of Franklin, Tennessee
Franklin WRF Modifications & Expansion Project

CCA NUMBER: 39

CDM SMITH PROJ. NO.: 14915-231666

SUBJECT: Solids Processing Building

CITY PROJECT NO.: 2017-0264

REFERENCE: (See Below)

DESCRIPTION: Locate bridge crane runway beams in accordance with details shown for installation with bearing plate per response to RFI 274 and revised structural drawings attached.

CDM SMITH:

By: _____

Date: _____


4/23/21

CONTRACTOR:

By: _____

Date: _____


4/23/21

City of Franklin:

By: _____

Date: _____


4/23/21

Request for Information

Project Name: Franklin WRF Modifications & Expansion Project		
Owner's Project No.: 2017-0264	CDM Smith Project No.: 14915-96594-WRF	
Contractor: Kiewit Water Facilities South	RFI No.: 274	
	Date: 3/11/2020	
Subject: Bridge Crane Runway Beam Location - Solids Processing Bldg.		
Spec Section: 14630	Drawing: S-52	Detail: A & B

QUESTION:

This RFI is issued to locate the crane runway beams with respect to the building column lines, using the Bridge Crane vendor information. This will enable the crane spans to be set since the spans listed in Section 14630 are approximate.

See attached pages for additional information.

If the above question concerns an interpretation of the Contract Documents, the Contractor's interpretation is:

Please Respond by This Date:

Submitted by Contractor: Kiewit Infrastructure South Co. **Date:** 3/11/2020

Received by (CDM Smith): **Date:**

RESPONSE:

See Response on following page.

By:

Date:

Distribution: Contractor, Owner, File, Field, RFI Notebook

Submittal D-14630-001-B provided vendor design information for the anchoring of the crane beams to the corbels at the building columns (pages 11-15 of 476). Structural review comment #4 states a design clarification is forthcoming to address the modifications required to the concrete corbels.

The vendor sketch details the crane beam centered 9" from the surface of the column making it 1'-5" from the building column line (using a column depth of 1'-4" per details A&B on S-52).

This will set the bridge crane spans as follows:

Pre-Dewatering Bridge Crane span: 33'-10"

Post-Dewatering Bridge Crane span: 46'-6"

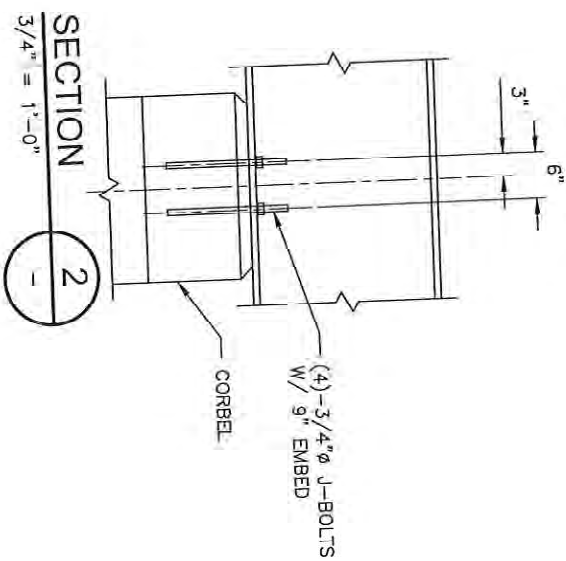
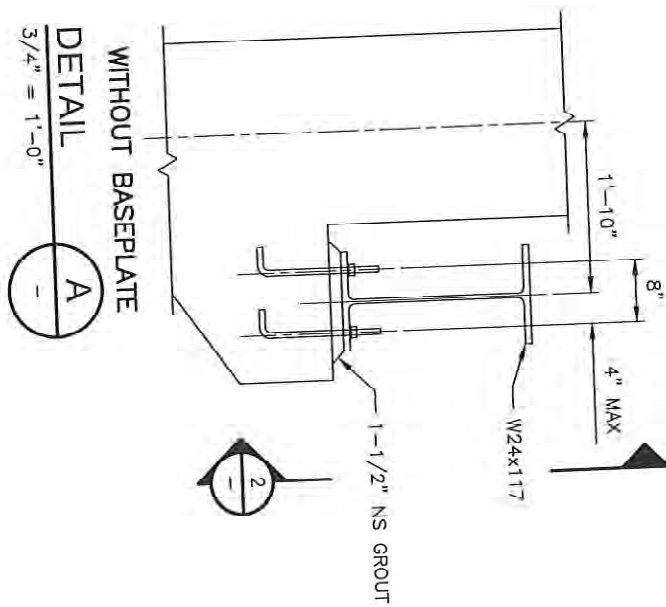
Can the crane beams be located 1'-5" from building column lines A, D, E, and H?

RESPONSE:

For the bridge crane between A and D, the W24's should be 45'-8" C/C. For the bridge crane between E and H, the W24's should be 33'-0" C/C. The W24's should be 1'-10" from the column lines. Some columns are 2'-0"x2'-0", which limits the span to the specified lengths.

The minimum edge distance for a 3/4" diameter anchor is 1" (per AISC 360). As shown in D-14630-001-B, the provided edge distance is 3/4", which is insufficient. Additionally, the current placement leaves only 1/8" between the flange and the edge of the nut, which might prevent proper tightening. The 14.5" spacing of the anchors also place the anchors too close to the edge of the corbel. This would lead to concrete breakout due to the lateral loads required in design by ASCE 7-10. The beam should be installed without a bearing plate if possible. If the bearing plate is required, the anchors should be placed through the flange of the beam. See the attached figure for the layout of the bridge crane on the corbels.

The crane manufacturer shall review the proposed changes to the beam and bearing plate and submit a revised detail. Once received, CDM Smith will issue the Design Clarification for changes to the corbels.



ANGLE END STOP (B.S.)

These anchor bolts have to be cast-in-place, not epoxy. These should be J-bolts.

2-3/4" F1554 Grade 55
S1 Plain L-Bolt x 5"
long w/2 1/2" leg

2-L6x4x3/8x0-4 (LLH)

CONCRETE COLUMN WITH CORBEL

4-3/4" L-Bolts (Typ)

SECTION A

** NOTE : RUNWAY BEAM
CONNECTION DESIGN & DETAIL TO
CONCRETE COLUMN & CORBEL

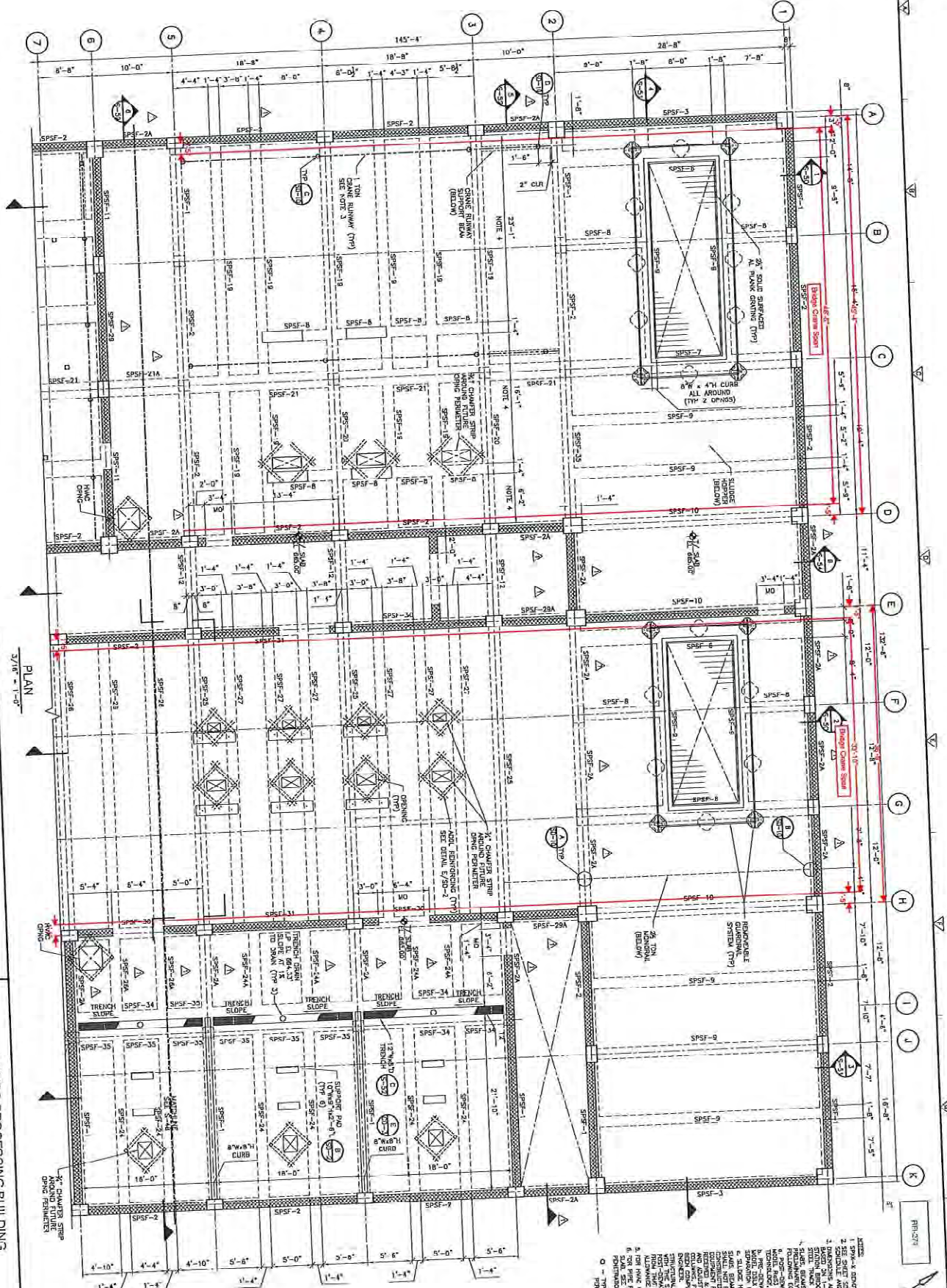
These anchor bolts should be cast-in-place due to not being allowed to cut rebar when drilling. J-bolts should be used.

1" NON-SHRINK GROUT

1/2" BEARING STIFFENERS

E K

NO.	DATE	BY	CHKD	DESCRIPTION
1	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
2	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
3	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
4	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
5	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
6	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
7	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
8	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
9	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
10	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
11	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
12	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
13	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
14	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
15	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
16	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
17	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
18	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
19	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
20	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
21	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
22	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
23	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
24	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
25	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
26	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
27	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
28	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
29	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
30	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
31	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
32	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
33	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
34	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
35	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
36	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
37	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
38	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
39	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
40	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
41	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
42	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
43	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
44	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
45	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
46	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
47	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
48	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
49	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
50	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
51	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
52	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
53	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
54	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
55	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
56	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
57	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
58	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
59	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
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61	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
62	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
63	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
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66	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
67	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
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73	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
74	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
75	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
76	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
77	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
78	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
79	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
80	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
81	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
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86	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
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93	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
94	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
95	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
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97	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
98	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
99	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS
100	03/25/2018	DOUGLASPW	DOUGLASPW	ISSUED FOR PERMITS



SHOP DRAWING REVIEW COMMENTS

City of Franklin
Water Reclamation Facility Modifications & Expansion
COF Project No. 2017-0264

Submittal No: D-14630-001-B
Title: Overhead Bridge Cranes (Solids Processing Building)
Reviewer: Justin Boggs (Structural), C. Carden (Process Mechanical),
John Sanchez (Electrical), Tom Lamb (AIS)

Please see
vendor
response
on Pg. 6-7

This submittal is being returned with a review code of: **APPROVED AS NOTED/ RESUBMIT**

Structural Review Comments:

1. Concrete columns are too congested with reinforcement to drill and epoxy anchor bolts. Comply - Pg. 10
Cast-in anchor bolts are only permitted for concrete columns.
2. No reinforcement shall be cut when drilling for anchors into concrete corbels. Engineer Comply - Pg. 6
strongly suggests the use of cast-in anchor bolts.
3. Engineer acknowledges details for anchor bolts provided on pages 11-15 of the submittal. Comply - Pg. 6
Design calculations shall be submitted in accordance with Section 11002, Paragraph 3.02.B.
4. In accordance with the details shown on pages 11-15 a Design Clarification is Comply - Pg. 6
forthcoming to address the modifications required to the concrete corbels.

Process Mechanical Comments:

1. Weights of 476).
Room. It

2. Please provide
a. Product
b. The B
F6-7)
Provide
confi

3. The response

SHOP DRAWING REVIEW	
ENGINEER'S REVIEW	RESPONSE REQUIRED OF CONTRACTOR
☐ Approved ☐ Comments Attached ☒ Approved as Noted ☐ Not Approved	☐ Confirm ☒ Resubmit
☐ Receipt Acknowledged (Not subject to Engineer's Review or Approval)	

The Engineer's review of this shop drawing is limited to the review of dimensions, equipment and materials as presented in the Contract plans, specifications, and for design concept. This review does not relieve the Contractor from errors or omissions in the submittal or from the Contractor's responsibility of addressing any deviations from the Contract Documents. The Contractor is responsible for the details and dimensions of fabrication and manufacture, the means, methods, techniques, sequences or procedures of construction and performing its work in a safe manner.

CDM Smith By Jon Allen Date 10/2/2019

of the load test. This is not acceptable. Provide the service engineer's qualifications at

There is a great deal of information available as to the size of lintels which should be used for different size openings. One table suggests a $3\frac{1}{2} \times \frac{3}{8}$ -in. flat bar for each 4-in. thickness of wall for openings of less than 2 ft; a $3\frac{1}{2} \times 3\frac{1}{2} \times \frac{5}{16}$ -in. angle for each 4-in. thickness of wall for openings of 2 to 5 ft, etc. Despite the availability of this excellent information concerning lintel sizes consideration should be given to the particular loading conditions and member arrangements in the building under study to insure the selection of satisfactory sizes.

7-9. BEAM-BEARING PLATES

When the ends of beams are supported by direct bearing on concrete or other masonry construction it is frequently necessary to distribute the beam reactions over the masonry by means of beam bearing plates. The reaction is assumed to be spread uniformly through the bearing plate to the masonry and the masonry is assumed to push up against the plate

Given:

$$P_t = 17,500 \text{ lbs}$$

$$B = 16.00 \text{ in.}$$

$$C = 12.00 \text{ in.}$$

$$k = 1.625 \text{ in.}$$

Find: $t = ?$

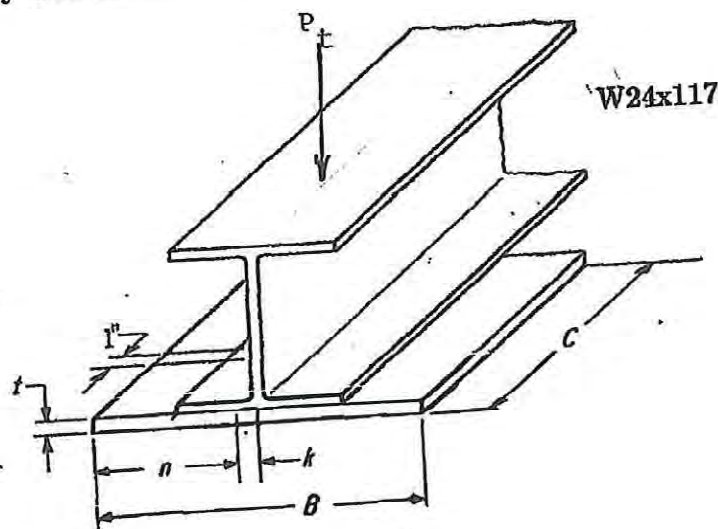


FIG. 7-17

with a uniform pressure equal to f_p psf. This pressure tends to curl up the plate and the bottom flange of the beam. The AISC Manual recommends that the bearing plate be considered to take the entire bending moment produced and that the critical section for moment be assumed to be a distance k from the centerline of the beam (see Fig. 7-17). The distance k is the same as the distance from the outer face of the flange to the web toe of the fillet given in the tables for each section (or it equals the flange thickness plus the fillet radius).

The determination of the true pressure distribution in a beam bearing plate is a very formidable task and the uniform pressure distribution assumption is usually made. This assumption is probably on the con-

DESIGN OF BEAMS (CONTINUED)

servative side as the pressure is probably larger at the center of the beam than at the edges. The outer edges of the plate and flange tend to bend upwards and the center of the beam tends to go down concentrating the pressure there.

The required thickness of a 1-in.-wide strip of plate can be determined as follows:

$$M = f_p n \frac{n}{2} = \frac{f_p n^2}{2}$$

$$S = \frac{I}{C} = \frac{(1/12) (1) (t)^3}{t/2} = \frac{t^2}{6}$$

$$\frac{M}{f} = S$$

$$\frac{f_p n^2}{2f} = \frac{t^2}{6}$$

$$t = \sqrt{\frac{3f_p n^2}{F_b}}$$

Example 7-9 illustrates the calculations involved in designing a beam bearing plate. Notice that the distances B and C are desirably taken to the nearest full inch.

EXAMPLE 7-9. An W24x117 beam ($b = 12.80$ in., $k = 1.625$ in.) is to be end supported by a Corbel which has an allowable bearing strength of 250 psi. Design a bearing plate for the beam with A36 steel and the AISC Specification. The end reaction is 17.5 k and the maximum length of bearing available is 12 in.

Solution: Minimum length of bearing for web crippling:

$$\frac{R}{t_w(N + k)} = 0.75 F_u$$

$$\frac{17,500}{(0.55)(N + 1.625 \text{ in})} = (0.75)(36,000)$$

Use $N = 1.95$ in. (minimum permissible value of C)

$$\text{Area required} = \frac{17,500 \text{ lbs}}{250 \text{ lbs/in}^2} = 70 \text{ in}^2$$

$$B = 16.00 \text{ in.}$$

Try 12 x 16 in. PL

$$n = 8 - 1.625 = 6.38 \text{ in.}$$

$$f_p = \frac{17,500 \text{ lbs}}{(12 \times 16) \text{ in}^2} = 91 \text{ psi}$$

DESIGN OF BEAMS (CONTINUED)

157 RFI-274

$$t = \sqrt{\frac{3f_p n^2}{F_b}} = \sqrt{\frac{(3)(91)(6.38)^2}{27,000}}$$

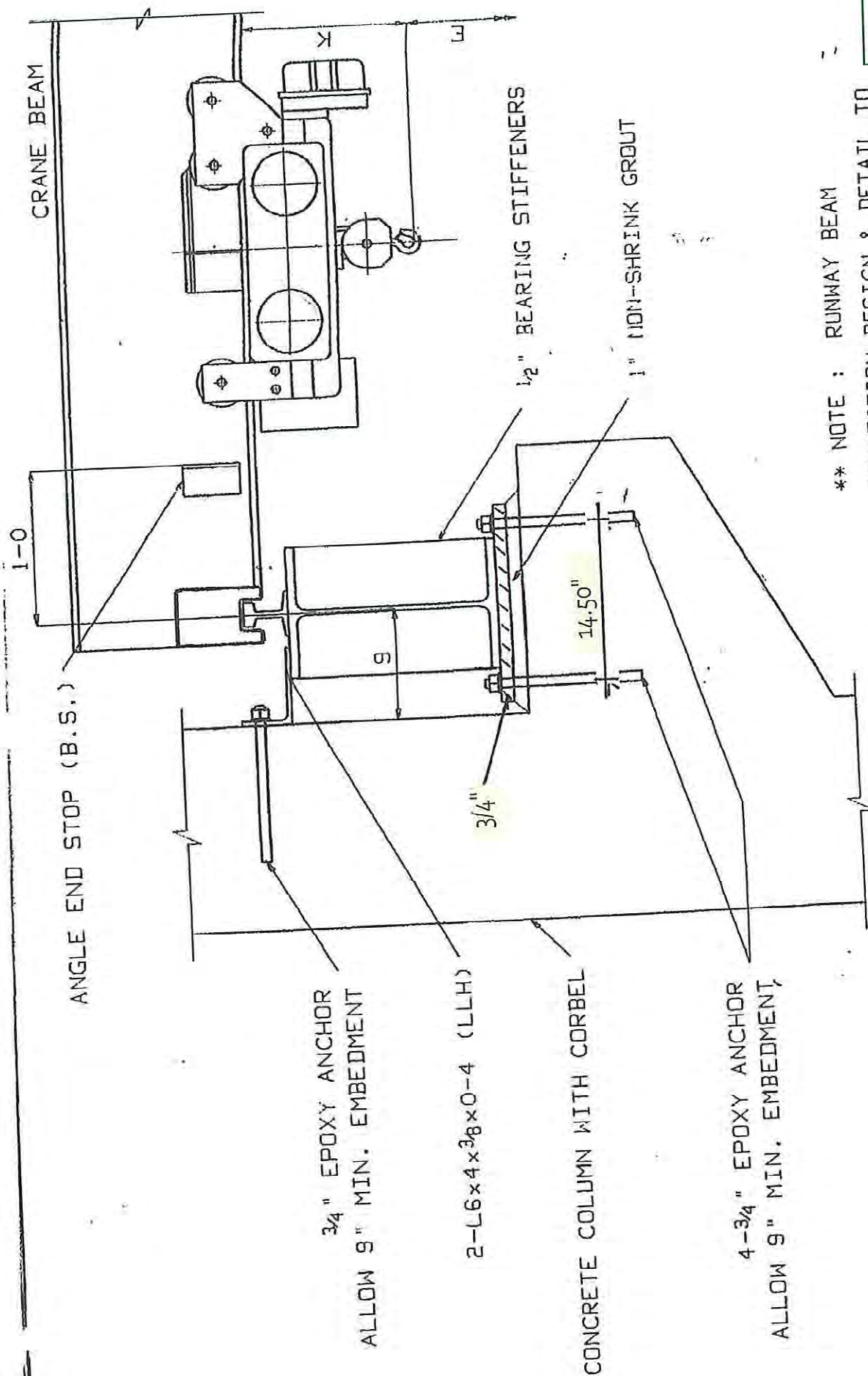
$$= 0.64$$

Use $\frac{3}{4} \times 12 \times 16$ in. PL

On some occasions the beam flanges alone probably provide sufficient bearing area, but bearing plates are nevertheless recommended as they are useful in erection and insure an even bearing surface for the beam. They can be placed separately from the beams and carefully leveled to the proper elevations. When the ends of steel beams are enclosed by the concrete or masonry walls it is considered desirable to use some type of wall anchor to prevent the beam from moving longitudinally with respect to the wall. The usual anchor consists of a bent steel bar passing through the web of the beam and running parallel to the wall. These are called government anchors and details of their sizes are given in the AISC Manual. Occasionally clip angles attached to the web are used instead of government anchors. Should longitudinal loads of considerable size be anticipated, regular vertical anchor bolts may be used at the beam ends.

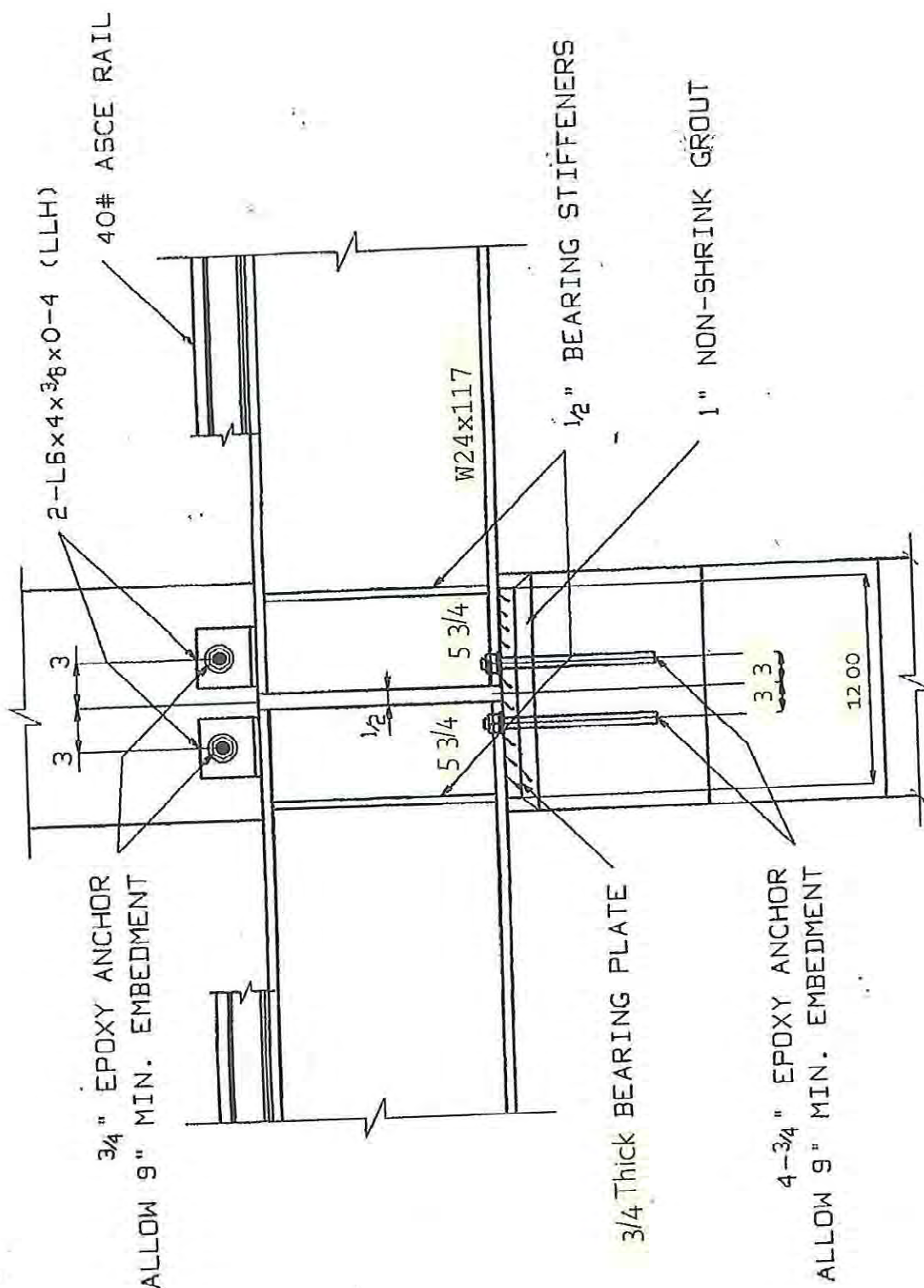


8-22-19



** NOTE : RUNWAY BEAM
CONNECTION DESIGN & DETAIL TO
CONCRETE COLUMN & CORBEL

SECTION A



SECTION B

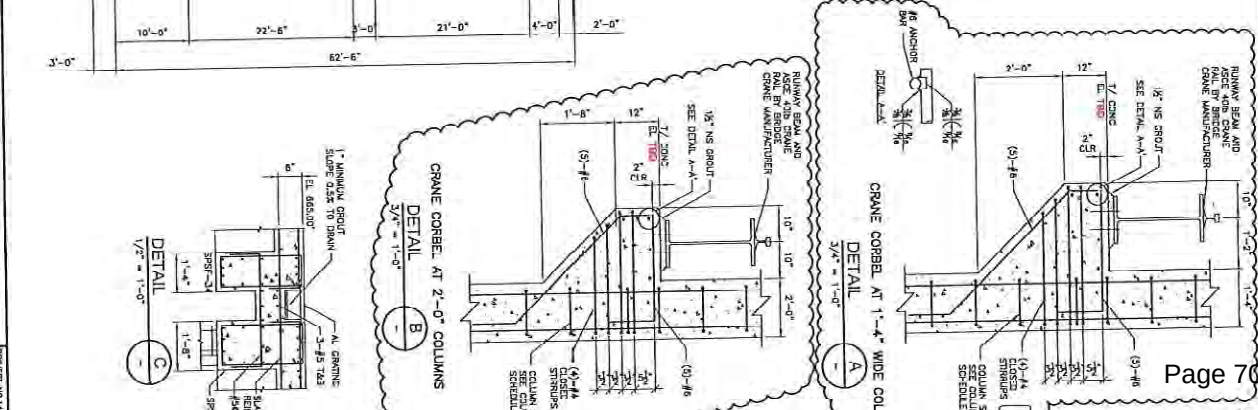


**CDM
smith**

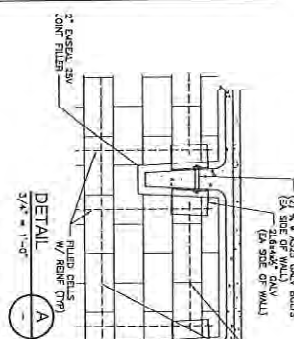
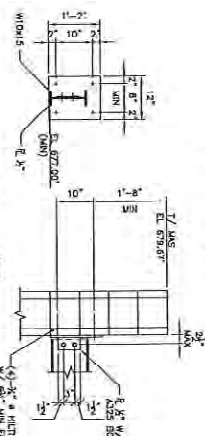
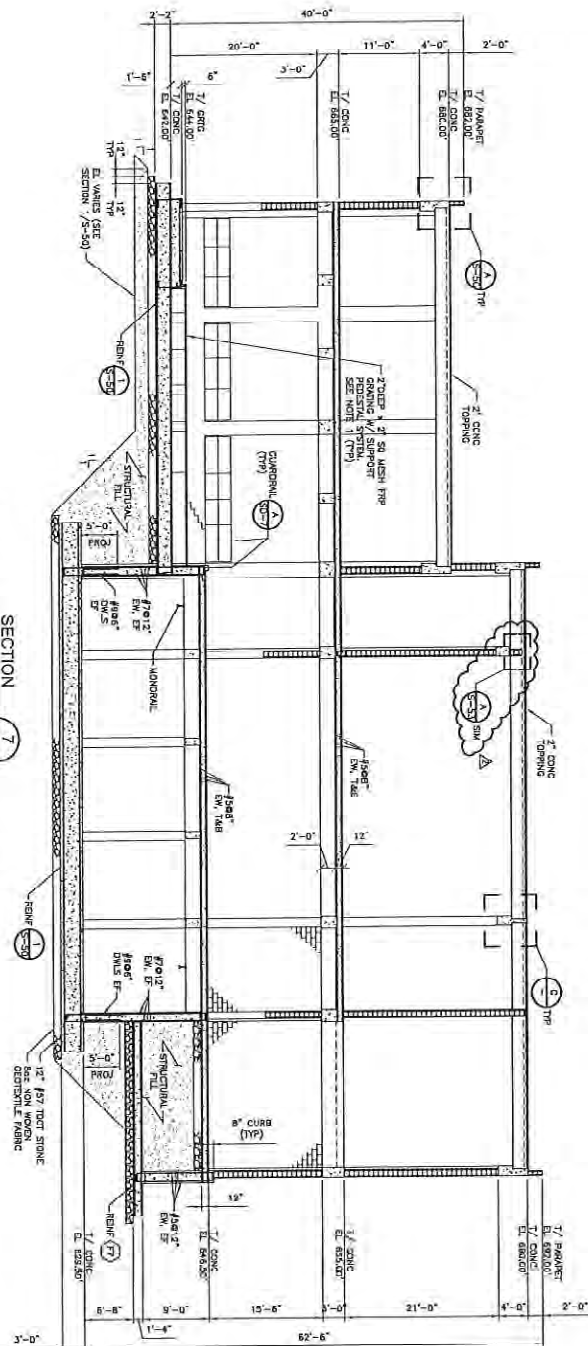
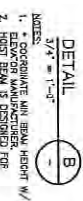
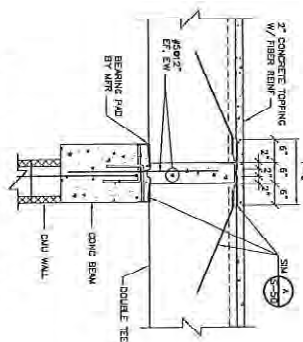
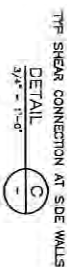
Drinking Towers
216 20th Avenue North, Suite 1125
Birmingham, TN 37603
Tel: (615) 320-0171

SOLIDS PROCESSING BUILDING
SECTIONS

S-



PROJECT: 101	SHEET
FILE NAME: 5	
S	



Harris, Daniel A.

From: Taylor.Flippen <Taylor.Flippen@kiewit.com>
Sent: Thursday, April 2, 2020 1:20 PM
To: Harris, Daniel A.
Cc: Peter.Sestak; Laura.Hernandez; Stephen.Reid
Subject: Franklin WRF Modifications & Expansion Project - Overhead Bridge Crane - Bearing Plates

Dan,

I got confirmation from Overhead Bridge Crane manufacturer that they are going to use the bearing plates on the corbels for project. I wanted to reach out and let you know as soon as I heard something.

I am waiting on a full updated submittal to be submitted back to you per the RFI 274.

Thank you,



Taylor Flippen
Lead Mechanical Field Engineer

Kiewit Water Facilities South
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022
(571) 305 3573
Taylor.flippen@kiewit.com



Kiewit

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

February 24, 2021

To: Attn: Mr. Dan Harris

CCA-KIEWIT-00071.00

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: RE. CCA039 Solids Processing Building Crane Runway Beams

Dear Mr. Harris,

Attached you will find Kiewit's cost proposal for changes in CCA039 including changes in the overhead bridge crane corbels, masonry addition and monorail track deletion in the amount of **Sixty-Eight Thousand Three Hundred Fifty-Three Dollars (\$68,353.00)**.

In consideration of the project receiving a favorable response from the Tennessee Department of Revenue regarding the broadening of the sales and use tax exemption, Kiewit has not included sales and use taxes on permanent materials provided within this cost proposal that are not covered by the current Industrial Machinery Sales and Use Tax Exemption Certificate. Should the project not receive a favorable ruling, sales and use taxes may need to be revisited for this cost proposal.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager



DATE:02/24/21

CCA039 SPB Crane Changes

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Material															
Rebar 1.5 tons and 2 hours of rebar (change in crane-drawing S-52 Section A & B)	1.0	EA					1,575.00	1,575.00							1,575.00
Rebar 1.5 tons and 2 hours of rebar (change in crane-drawing S-45, 46, 52, 53 & 55)	1.0	EA					600.50	600.50							4,405.00
Masonry 0.5 tons of masonry steel (change in drawing S-53 Section A)	1.0	EA					4,405.00	4,405.00							8,350.00
Double Tee Clips (TNE) (change in drawing S-53 Section A)	1.0	EA													28,514.46
Joint Sealant (Quote from NBS Masonry-S-47 & S-48)	1.0	EA													4,934.00
Masonry (Quote from RG Masonry-S-47 & S-48)	1.0	EA													311.11
Painting (Quote from CIP)	1.5	TN					52.31	311.55							1,622.21
Rebar Installation	5.0	HR	1.0	5.0			69.03	1,622.21							124.44
Foreman	23.5	HR	1.0	23.5											655.79
Ironworkers-Building	0.6	TN					62.31	124.62							92.68
Masonry Reinforcing Steel Installation	2.0	HR	1.0	2.0			69.03	655.79							72.84
Foreman	9.5	HR	1.0	9.5			46.34	92.68							2,404.00
Ironworkers-Building	1.0	HR	2.0	2.0			36.42	72.84							2,404.00
Material offloading/Staging (concrete+rebar+forms+Double Tee Clips)	1.0	HR	2.0	2.0											3,711.12
Foreman	1.0	HR	2.0	2.0											244.44
Spotter	144.0	EA					36.42	1,311.12							1,311.12
Double Tee Clips (44 clips)	1.0	LS	36.0	36.0			62.31	2,494.24							2,244.44
Coning (by by K&H)	1.0	EA	4.0	4.0			69.03	1,380.60							1,311.12
Formal - Installation of clips	2.0	EA	10.0	20.0			62.31	2,244.46							3,711.12
Ironworkers - Installation of clips	1.0	EA	36.0	36.0			36.42	1,311.12							3,711.12
Layout for Coning - Foreman	1.0	EA	36.0	36.0											3,711.12
Layout for Coning - Laborer	1.0	EA													3,711.12
Monorail Modifications (partial deletion-drawing S-40) Credit for Rail and Installation															
Equipment & Transportation	2.0	HR					60.00	120.00							2,920.00
Forklift-Xtrane XRM1245	125.0	HR					23.36	2,920.00							1,800.00
Service Manlift (used for Layout of cores 22hr, coning 37hr, installing clips 34.5hr, Masonry Steel 9.5hr)	36.0	HR					50.00	1,800.00							
Structure Scan Mkt XI N130															
Construction Equipment Ownership & Operating Costs are based on Blue Book ERM Rates.															
OTHER															
ST's - small tools, consumables, safety equip, (5\$ per Direct Manhour, plus 3.75% sales tax:		MHR		176.0											
Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975															
TAX: (3.75% of Material, Equipment, Other)															
BOND (2% of total)															
SUBTOTALS															
MARKUP %															
SUBTOTALS WITH MARKUPS APPLIED															
BOND															
TOTAL															

SABER STEEL LLC

(Native American Owned; SDVOSB; ARDOT, ALDOT, KYDOT, MDOT, MODOT & TDOT DBE Certified)
A REBAR FABRICATION COMPANY

TO Bidding Contractors
ADDRESS
CITY UPDATED

DATE: 10/6/2020
PROJECT: Franklin W.T.F.
Crane Change Quote
LOCATION: Franklin, TN

THESE PRICES DO NOT INCLUDE ANY APPLICABLE TAX

Excludes: Weldable Bars, Galvanized Bar, Bar Supports and Accessories;
Have seen No Addendum; Drawings Dated 12/16/19

0.6005 Ton	<u>Sidewalks</u> Reinforcing Steel	\$600.50
------------	---------------------------------------	----------

ACCESSORY PRICING AVAILABLE UPON REQUEST
THIS QUOTATION SUBJECT TO
ACCEPTANCE WITHIN 10 DAYS.
3638 Fite Road, Millington, TN 38053
P: (901) 334-4400
F: (901) 334-4077

TOTAL \$600.50

Nathan Cortez
SABER STEEL LLC
BY Nathan Cortez

Email: Keiven@sabersteel-llc.com
ALT EMAIL: Nathan@sabersteel-llc.com Page 76 of 378



CMC Rebar Nashville
852 Visco Dr, Suite 101
Nashville, TN 37210
Phone
Fax

CMC Change Order #: CO25
Change Order Date: 7/7/20

CHANGE ORDER REQUEST

Customer: Campbell & Ford Construction Inc
1592 Whitten Rd
Memphis, TN 38134-7550

Project: Franklin WWTP

CMC Job #: 1922800003

Subject: SPB Corbel Revision

Description of Changes:

Adding approx. 1.5 tons and 2 hours of re-detailing for the SPB Corbel revisions.

Amount of this Change Order (excluding taxes) \$ 1,575.00

It is mutually agreed that for such change the contract price is changed by \$ 1,575.00, terms of payment are net 30 days. No retainage of funds will be allowed. If you have any questions regarding our Change Order, immediately contact the below signed to schedule a meeting to discuss it.

Change Order pricing is subject to market increase change if not approved within 30 days.

Campbell & Ford Construction Inc
Signature: _____

Signature: _____

CMC Rebar

Salesman - John Boyuka

Date: _____

Date: _____

SCHRODER MATERIAL HANDLING, INC.

2275 Perimeter Rd., SCTAC
Greenville, SC 29604

Change Order

Date: 04/14/2020
Owner: City Of Franklin, TX
Contractor: Kiewit
Project Name: Franklin WRF Modifications
and Expansion
PO # 103925-SC-016
Change Order # 1

The Following Changes are Requested	
Omitting 25ft of 10in patent track rail required in the lower level of the solids processing building	-\$3,375.00
The Original Contract Amount:	\$526,325.00
Previous Change Orders:	-\$3,375.00
Total Amount of This Change Order:	\$522,950.00
New Contract Amount:	

Sub-Contractor:

Schroder Material Handling, Inc.

Company Name

2275 Perimeter Rd., SCTAC, Greenville, SC 29604

Address

04/14/2020

Date

Signature

William Schroder, P.E., President

Print Name, Title

Contractor:

Kiewit Water Facilities

Company Name

4405 International Blvd, NW, Suite C-101 Norcross, GA

Address

04/14/2020

Date

Signature

Print Name, Title

ESTIMATOR'S GUIDE CORE DRILLING

Minimum Charge (1 1/2 hrs.) \$200.00

FLOORS			WALLS		
Diameter	Per Hole up to 6" deep	Per Inch over 6" depth	Diameter	Per Hole up to 8" deep	Per Inch over 8" depth
1" to 4"	\$ 21.00	\$ 3.50	1" to 4"	\$ 32.00	\$ 4.00
4 1/2"	24.00	4.00	4 1/2"	34.00	4.25
5"	27.00	4.50	5"	38.00	4.75
6"	31.50	5.25	6"	44.00	5.50
7"	33.00	5.50	7"	50.00	6.25
8"	39.00	6.50	8"	56.00	7.00
9"	45.00	7.50	9"	68.00	8.50
10"	51.00	8.50	10"	80.00	10.00
12"	66.00	11.00	12"	106.00	13.25
14"	90.00	15.00	14"	140.00	17.50

480 VOLT / HYDRAULIC CORE DRILLING

Minimum Charge \$250.00

16"	114.00	19.00	16"	180.00	22.50
18"	168.00	28.00	18"	256.00	32.00
20"	186.00	31.00	20"	292.00	36.50
22"	210.00	35.00	22"	316.00	39.50
24"	234.00	39.00	24"	344.00	43.00
26"	282.00	47.00	26"	428.00	53.50
28"	312.00	52.00	28"	520.00	65.00
30"	570.00	64.00	30"	608.00	76.00

SLAB SAWING - GAS, ELECTRIC

Minimum Charge (1 1/2 hrs.) \$250.00

Slab sawing with water clean up - \$.55 per inch foot

Depth of cut	1"	2"	3"	4"	6"	8"	10"	12"	14"
Cost per foot	\$.55	\$ 1.10	\$ 1.65	\$ 2.20	\$ 3.30	\$ 4.40	\$ 5.50	\$ 6.60	\$ 7.70

ASPHALT SLAB SAWING

Depth of cut	1-2"	3"	4"	6"	8"	10"	12"
Cost per foot	\$.50	\$.75	\$ 1.00	\$ 1.50	\$ 2.00	\$ 2.50	\$ 3.00

DIESEL SLAB SAWING

Depth of cut	1"	2"	3"	4"	6"	8"	10"	12"	14"
Cost per foot	\$.45	\$.90	\$ 1.35	\$ 1.80	\$ 2.70	\$ 3.60	\$ 4.50	\$ 5.40	\$ 6.30

WALL SAWING

Minimum Charge \$350.00

Wall Thickness	8"	10"	12"	14"	16"	18"
Concrete & Masonry - \$2.50/in. ft.	\$ 20.00	\$ 25.00	\$ 30.00	\$ 35.00	\$ 40.00	\$ 45.00
Flush Cut - \$2.80/in. ft.	\$ 22.40	\$ 28.00	\$ 33.60	\$ 39.20	\$ 44.80	\$ 50.40

REMOVAL ON GRADE

	up to 6"	7 to 8"	9 to 10"	per sq. ft.
By Hand	\$ 4.25	\$ 4.75	\$ 5.25	
By Machine	\$ 3.00	\$ 3.50	\$ 4.00	
Haul off	\$ 250.00 per load - Call for dumpster pricing			

A mileage charge of \$ 1.00 per mile round trip outside of metropolitan area.

Customer to mark out all holes and openings.

We do not assume responsibility for damage caused by mismarked holes, cutting conduit, buried pipe, steel beams, etc.

We reserve the right to adjust prices when there is excessive re-steel, very difficult set-ups, river rock concrete or scattered locations.

Our clean up consists of vacuuming up our slurry. Additional charge to mop floors and power wash walls.

Price to take our slurry with us - \$ 50.00 per barrel.

Also distributors for professional diamond cutting products & equipment.

PLEASE CALL FOR QUOTES ON LARGE JOBS !!!



121 Old Nashville Hwy., Suite A
LaVergne, TN 37086
Phone: (615) 471-1960
Fax: (615) 471-1959
Cell: (615) 631-9494
www.kandhcutting.com

HME, INC.

HAAS METAL ENGINEERING

2828 NW Button Road
Topeka, KS 66618
Phone: 785-235-1524



Change Order Request

Owner: Kiewit Infrastructure South Co.
4405 International Blvd., NW, Suite C-101
Norcross, GA 30093

Project: 18.097 / FRANKLIN WRF
135 CLAUDE YATES DR.
FRANKLIN, TN 37064

COR# 18: ADDED DOUBLE TEE CLIPS

\$4,405.00

CCA 39 ADDED (148) ANGLE CLIPS 6x4x1/2x1'-0" PER SECTION A/S-53. PRICE INCLUDES MATERIAL, FABRICATION, HARDWARE AND GALVANIZING. MATERIAL WILL BE DELIVERED TO THE SITE, DELIVERY AND DETAILING WERE FIGURED IN THE BASE BID.

1: ADDED DOUBLE TEE CLIPS

TOTAL, THIS CHANGE ORDER REQUEST

\$4,405.00

This PCO impacts schedule duration, schedule impact to be mutually agreed upon between Contractor and HME prior to approval of any change order.
This PCO pricing is valid 14 calendars days from date of submittal.
This PCO excludes any items not specifically mentioned.
If this PCO is not approved prior to HME's execution of this scope of work interest shall be charged at 18% per annum until payment is made for change.
HME is not responsible or liable for any delays or damages for changes in the scope of work due to this PCO.

Approved By: Kiewit Infrastructure South Co.

Signed: _____

Date: _____

Submitted By: HME, Inc.

Signed: _____

Date: _____



959 McCurdy Road whitehouse TN 37188
 PH:615-334-1253 | ramiroreyes46@gmail.com | FAX: 615 - 334-
Miguelreyes18.mr@gmail.com

RG Masonry Change Order

Job: Franklin water treatment plant
 Discription: Additional cmu wall at solids processing building.
 Located in between concrete beam and double tee similar to detail A on page

Date: 1/8/2021

		Hourly pay	Work Hours		
1 FOREMAN	@	\$64.00	27	Sub	\$1,728.00
2 Masons	@	\$54.00	68	Sub	\$7,344.00
4 Labors	@	\$42.00	68	Sub	\$11,424.00
1 Operator	@	\$48.00	27	Sub	\$1,296.00
				Grand Total	\$21,792.00

Materials		\$755.91
333 12" block	\$2.27	\$376.00
2 Grout	\$188.00	\$168.00
14 Mortar	\$12.00	\$0.00
150 12" wire	\$0.80	\$76.00
2.00 Sand	\$38.00	\$0.00
		\$0.00
		\$0.00

Subtotal \$1,375.91

Tax 9.25% \$127.27

\$1,500

EQUIPMENT

Grand Total \$3,003.18

Labor and material
 Overhead and Profit

\$24,795.18

~~10% \$2,479.52~~ %15=\$3,719.2

~~\$27,274.70~~ \$28,514.46

Rental Rate Blue Book®

Ford F-250

On-Highway Light Duty Trucks

Size Class:

300 HP & Over

Weight:

N/A



Configuration for F-250

Axle Configuration	4.0 X 4.0	Cab Type	
Horsepower	385.0 hp	Power Mode	
Ton Rating	3.0 / 4.0	Crew	Gasoline

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$1,035.00	USD \$290.00	USD \$73.00	USD \$11.00	USD \$23.93	USD \$29.81
Adjustments						
Region (Franklin, Tennessee: 108%)	USD \$82.80	USD \$23.20	USD \$5.84	USD \$0.88		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$23.93	USD \$30.28
Total:	USD \$1,117.80	USD \$313.20	USD \$78.84	USD \$11.88		

Non-Active Use Rates

Standby Rate

Idling Rate

Hourly

USD \$4.64

USD \$25.66

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	54%	USD \$558.90/mo
Overhaul (ownership)	27%	USD \$279.45/mo
GFC (ownership)	7%	USD \$72.45/mo
Indirect (ownership)	12%	USD \$124.20/mo
Fuel (operating) @ USD 2.51	81%	USD \$19.31/hr

Revised Date: 1st half 2020

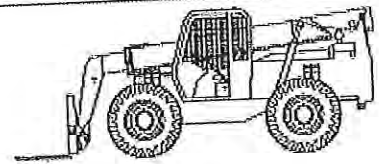
These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Xtreme XRM1245 (disc. 2008)
Telescoping Boom Rough Terrain Lift Trucks

Size Class:
5.0 MTons & Over
Weight:
32930 lbs



Configuration for XRM1245 (disc. 2008)

Base Capacity	12000.0 lbs	Horsepower	122.0
Maximum Lift Height	536.0 in	Maximum Reach	364.0 in
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$7,075.00	USD \$1,980.00	USD \$495.00	USD \$74.00	USD \$40.28	USD \$80.48
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2008: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$40.28	USD \$80.48
Total:	USD \$7,075.00	USD \$1,980.00	USD \$495.00	USD \$74.00		

USE \$60/HR
Do not have XTREME-Hourly
IOS on Equipment Watch
USD \$16.88
USD \$50.69

Non-Active Use Rates

Standby Rate
Idling Rate

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	29%	USD \$2,051.75/mo
Overhaul (ownership)	57%	USD \$4,032.75/mo
GFC (ownership)	6%	USD \$424.50/mo
Indirect (ownership)	7%	USD \$495.25/mo
Fuel (operating) @ USD 3.07	26%	USD \$10.49/hr

Revised Date: 1st half 2020

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The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Skyjack SJ6826RT

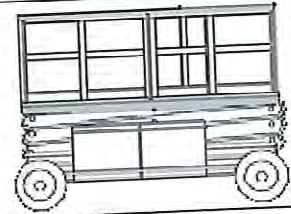
I.C. Self Propelled Scissor Lifts

Size Class:

21 - 30 ft

Weight:

6400 lbs



Configuration for SJ6826RT

Horsepower	31.0	Maximum Platform Capacity	1200.0 lbs
Maximum Platform Height	26.0 ft	Platform Size	56' X 96'
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$2,255.00	USD \$630.00	USD \$160.00	USD \$24.00	USD \$9.55	USD \$22.36
Adjustments						
Region (Franklin, Tennessee: 107%)	USD \$157.85	USD \$44.10	USD \$11.20	USD \$1.68		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$9.55	USD \$23.26
Total:	USD \$2,412.85	USD \$674.10	USD \$171.20	USD \$25.68		

Non-Active Use Rates

Standby Rate

Idling Rate

Hourly

USD \$8.36

USD \$16.21

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	43%	USD \$969.65/mo
Overhaul (ownership)	39%	USD \$879.45/mo
CFC (ownership)	10%	USD \$225.50/mo
Indirect (ownership)	8%	USD \$180.40/mo
Fuel (operating) @ USD 3.07	26%	USD \$2.50/hr

Revised Date: 1st half 2020

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The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

From: David Kerr <DKerr@nswaterproofing.com>
Sent: Friday, January 29, 2021 1:55 PM
To: Steven.Davis1 <Steven.Davis1@kiewit.com>
Subject: [EXTERNAL] RE: Franklin WRF

Hey Steven,
Has an option per our conversation – the joint between the deck and double tee could be caulked as follows:
For this pricing exercise we have assumed a 2" joint.

Non-rated	Install backer-rod and silicone sealant (similar to Dow 790).
Rated	Install mineral wool insulation and Hilti firespray/fire caulk

Total cost for this option - \$8,350.00.

Thanks!

David V. Kerr
N&S Waterproofing
4061 Powell Avenue
Nashville, TN 37204
615-298-1402 (Office)
615-298-1403 (Fax)
615-818-1978 (Mobile)



Proposal for Surface Preparation & Painting

Date: 2/23/2020

Job Name: Franklin WRF - Change Order - CCA 039 SPB CMU at Column Line E

From: Keith Mabry

keith@cipaint.com

We are pleased to submit the following bid:

Job Description: Painting services as described below.
Including all associated labor, materials, tools and equipment.
State of TN Contractors License No. 00021605, BC-11, 14, 23, S-C.
Unlimited. Bid based on Information provided by Steve Davis.

Change Order: \$4,934

1. Additional labor and material required for painting extra CMU block added at column line E at Solids Processing Building.



Parkview Towers
210 25th Avenue North, Suite 1102
Nashville, Tennessee 37203
tel: 615-771-2466
fax: 615-778-9733

October 7, 2019

Mr. Steve Davis
Kiewit Infrastructure South Co.
4405 International Blvd NW, Suite C-101
Norcross, GA 30093

Subject: Franklin WRF Expansion Project
Request for Proposal No. 2.1

Dear Mr. Davis;

The purpose of this Request for Proposal (RFP) is to obtain a price from the Contractor for construction and loading of a temporary sludge dewatering system for dewatering of sludge from the cleaning of basins, structures, and pipes. Originally, the City had intended to accept the sludge from cleaning into the plant dewatering system. However, the City has determined that there will be some issues with that approach. Consequently, we are considering use of a temporary system to accomplish the dewatering.

The proposed system will utilize the two onsite existing chlorine contact tanks (CCTs).

Basin Preparation for Sludge Loading

In order to prepare the tanks for acceptance of the sludge, the Contractor must do the following:

1. Remove the discs and stems on the mud valves in the tanks but leave the openings. These openings will be utilized for drainage.
2. Remove the telescoping valves from the stand pipe flanges. This will leave standpipes that extend several feet above the CCT inverts.
3. Bolt a hose connection adapter to the top of each stand pipe flange. The hose connections and hoses shall approximately match the size of the stand pipes.

4. The hoses shall have the following characteristics:
 - Heavy duty smooth walled with reinforcing (we want it to remain un-collapsed if it gets partially buried in the sludge).
 - The hoses must extend to the top of wall plus one foot if pulled straight up.
 - Resistant to hydrogen sulfide
 - The hoses must have a weighted jacket of some sort so that they will not float on the surface. The goal is for the hoses to be slightly heavier than water such that they can be used for decanting of water from the top of the sludge slurry.
 - The open end of the hoses must have a fitting with an eyehole for bolting of a ¼" braided stainless steel cable to it.
 - Provide a ten-foot length of ¼" braided stainless steel cable for each hose. Provide a method of adjusting and anchoring the stainless steel cable to the existing handrail to allow setting of the level of the open end of each hose for decanting.
5. Place a five-foot by five-foot square of 12-gauge ½" X ½" 304 stainless steel welded wire fabric over each mud valve drain. The squares shall be centered on the drain and shall be shaped to lay flat against the floor.
6. Carefully install number 57 stone over the welded wire fabric to anchor it to the floor with no ability for stone to move under the wire fabric to the drain.
7. Install number 57 stone over the rest of the basin to a depth of 8 inches.
8. Install 8 inches of number 78 stone over the number 57 stone.
9. Install 9 inches of ASTM C-33 sand over the number 78 stone.
10. Install double net (biodegradable netting) coconut fiber erosion matting on top of the sand layer from wall to wall over a fifteen-foot length at the location where sludge hose will be placed to pump sludge into the basin. The purpose of the erosion matting is to prevent blowing holes in the sand when pumping sludge into the basin.

Sludge Loading Into CCT Basins

After the basin preparation work is completed and accepted by the CDM Smith RPR, Kiewit may begin placing sludge in the basin. The method of conveying sludge to the basins is up to Kiewit;



RFP 2.1
October 7, 2019
Page 3

however, we assume that a hose will be used to drop the sludge into the basins. The hose must terminate over the 15-foot-long strip of coconut fiber erosion matting described above such that the sand layer is not disturbed in any way. The plant operation staff will control the setting of the decanting hose. Conveyance of sludge to the sludge management point is already in Kiewit's scope of work.

Dried Sludge Removal

Currently, the City is considering removal of the dried sludge from the CCT themselves. However, we would like to get a cost from Kiewit for removal, hauling and disposal of the dried sludge to an appropriate approved landfill. We would also like to get a price from Kiewit for removal, hauling, and disposal of the materials installed during basin preparation.

Cost Quote

Please provide the following prices:

Item No.	Description	Quantity	Units	Unit Price	Total Price
1	Basin Preparation for Sludge Loading	LS	LS		
2	Dried Sludge Removal, Hauling and Disposal	450	Tons		
3	Removal, Hauling and Disposal of Materials Installed During Basin Preparation	LS	LS		

Measurement and Payment

The following describes the measurement and payment for the above quote items. The costs for each item are understood to include all labor, materials, equipment, incidentals, fees, permits, taxes, overhead and profit and other miscellaneous costs to complete the work.

1. Basin Preparation for Sludge Loading
 - a. Scope – See Above
 - b. Measurement – Number of CCT basins prepared



RFP 2.1
October 7, 2019
Page 4

- c. Payment – One half of the bid lump sum price will be due upon acceptable completion of each of the two CCT basins preparation.
- 2. Loading, Hauling and Disposal of Dried Sludge
 - a. Scope – Excavation and loading of dried sludge into trucks, hauling and disposal of the sludge at an appropriate, approved landfill.
 - b. Measurement – The number of tons of sludge will be determined using certified gross and tare weigh tickets from the landfill receiving the sludge.
 - c. Payment – The number of tons multiplied by the unit price.
- 3. Loading, Hauling and Disposal of
 - a. Scope – Excavation and loading of materials installed under Item 1 into trucks, and hauling and disposal of the materials at an appropriate, approved landfill.
 - b. Measurement – Number of CCT basins where materials have been removed..
 - c. Payment – One half of the bid lump sum price will be due upon acceptable completion of the work in each of the two CCT basins.

Feel free to contact me with any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "D. Harris".

Daniel A. Harris, PMP, CCM, LEED GA
Project Manager
CDM Smith

cc: Brian Goodwin, City of Franklin
File 231666.05.02.10



Figure 1: Detail of drainage layers in chlorine contact tank.



Kiewit

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

January 29, 2020

CP-KIEWIT-00128.00

To: Attn: Mr. Dan Harris
CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: RFP 2.1 Temporary Sludge Dewatering (Chlorine Contact Tanks) - Revised

Dear Mr. Harris,

Attached you will find Kiewit's proposal for RFP 2.1 Temporary Sludge Dewatering (Chlorine Contact Tanks). The proposal is provided as requested in the RFP in the table below. This proposal has been revised to reflect only the scope of work the City of Franklin desires Kiewit to perform that was discussed in the weekly owner's meeting on January 7, 2021. Any additional work that was included in RFP 2.1 that is not explicitly included in the attached proposal worksheets, the City of Franklin will be performing.

Item No.	Description	Qty	Units	Unit Price	Total Price
1	Basin Preparation for Sludge Loading	1	LS	\$20,917.00	\$20,917.00
2	Dried Sludge Removal, Hauling, and Disposal	450	TN	\$199.86	\$89,939.00
3	Removal, Hauling, and Disposal of Materials Installed During Basin Preparation	1	LS	\$40,079.00	\$39,731.00
	Total				\$150,587.00

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

Cc: File
Michelle Hatcher

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022



DATE: 1.29.2021

PCO NO.: RFP 2.1 Chlorine Contact Tank Retrofit

PREPARED BY: Steve Davis

POO NO.: RFP 2.1 Chlorine Contact Tank Retrofit																	PREPARED BY: Steve Davis		
DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT		
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost			
Temporary Sludge Dewatering System																			
Basin Preparation for Sludge Loading																			
Installing Hose connection adaptor and Hose to 8" stand pipe flanges with anchoring system	2	EA	3.00	6	\$ 62.04	\$ 372.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 372.24		
Foreman	1.00	EA	2.50	5	\$ 46.45	\$ 232.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 232.25		
Operator (Forklift)	1.00	EA	2.50	5	\$ 46.45	\$ 232.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 232.25		
Overseer (Forklift)	2.00	EA	2.50	10	\$ 68.96	\$ 689.60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 689.60		
Pipe Fitters					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Prepare/Restore Area Adjacent to Chlorine Contact Tanks	1.00	EA	22.00	22	\$ 62.04	\$ 1,364.88	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,364.88		
Foreman	1.00	EA	20.00	20	\$ 39.55	\$ 791.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 791.00		
Operator (Loader)	1.00	EA	20.00	20	\$ 39.55	\$ 791.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 791.00		
Crew (2 Laborers)	2.00	EA	20.00	40	\$ 36.42	\$ 1,456.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,456.80		
Material Handling	1.00	EA	2.00	2	\$ 46.45	\$ 92.90	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 92.90		
Operator (Forklift)					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Material cost	150.00	TN			\$ -	\$ -	\$ -	\$ -	\$ 11.50	\$ 1,725.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,725.00		
Surge Silos (Apron around end of CCT's)	1.00	LOT			\$ -	\$ -	\$ -	\$ -	\$ 2,162.58	\$ 2,162.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,162.58		
Mega Pig, Blind Pig, NBSG, Hose, Adaptors, and Eye bolts	1.00	LOT			\$ -	\$ -	\$ -	\$ -	\$ 269.90	\$ 269.90	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 269.90		
Wire rope and Clamps	2.00	EA			\$ -	\$ -	\$ -	\$ -	\$ 250.00	\$ 500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500.00		
Additional eye bolts for weighting pipe											\$ 634.85	\$ 1,094.58	\$ -	\$ -	\$ -	\$ -	\$ 1,094.58		
Equipment	3.00	DY									\$ 60.00	\$ 420.00	\$ -	\$ -	\$ -	\$ -	\$ 420.00		
Cat 950 Loader	7.00	HR									\$ 1,500.00	\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00		
Forklift																	\$ -		
Additional 450 LF of Pump hose to reach CCT (2wks each - 2 mobs)	2.00	EA		6	\$ 68.96	\$ 533.68							\$ 0.50	\$ 508.00	\$ -	\$ -	\$ 508.00		
Restore Area Adjacent to Chlorine Contact Tanks	550.00	SY											\$ 90.00	\$ 900.00	\$ -	\$ -	\$ 900.00		
Seeding/Straw	10.00	HR															\$ -		
Trucking (Haul to Waste)																	\$ -		
**Construction Equipment Ownership & Operating Costs are based on Blue Book FIMA Rates.																			
OTHER																			
BTS - small tools, consumables, safety equip. (\$5 per Direct Manhour, plus 9.75% sales tax. Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)	113	MHR				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
TAX: (9.75% of Material, Equipment, Other)																			
SUBTOTALS																			
MARKUP %																			
SUBTOTALS WITH MARKUPS APPLIED																			
BOND																			
TOTAL																			

DATE: 1.29.2021

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022



PCO NO.: RFP 2.1 Chlorine Contact Tank Retrofit

PREPARED BY: Steve Davis

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Dried Sludge Removal, Hauling and Disposal																	
Removing Sludge from Chlorine Contact Basins	450.00	Tons															\$ 9,928.40
Foreman	1.00	EA	160.00	160	\$ 62.04	\$ 9,928.40											\$ 9,928.40
Operator	1.00	EA	160.00	160	\$ 39.86	\$ 6,377.60											\$ 6,377.60
Crew (2 Laborers)	2.00	EA	160.00	320	\$ 36.42	\$ 11,654.40											\$ 11,654.40
Haul Sludge to landfill	150.00	HR															
Dispose Of Sludge in Landfill - includes taxes, env fee, RCR fee, and waste approval fee (Waste Management - Stacy 815.202.3485)	450.00	Tons															\$ 21,600.00
Waste Stream Approval (State)	1.00	EA															\$ 300.00
Waste Approval Fee (per profile)	1.00	EA															\$ 60.00
Equipment	4.00	VWK															\$ 8,916.00
Long Reach Excavator	16.00	HR															\$ 3,018.40
CAT 335 Excavator	4.00	EA															\$ 1,100.00
Mob/Demob																	
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																	
OTHER																	
OTG - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax. Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)	640	MHR															\$ 3,200.00
TAX: (9.75% of Material, Equipment, Other)																	\$ 3,200.00
SUBTOTALS																	\$ 3,200.00
MARKUP %																	\$ 3,200.00
SUBTOTALS WITH MARKUPS APPLIED																	\$ 3,200.00
BOND																	\$ 3,200.00
TOTAL																	\$ 3,200.00

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022



DATE: 1/29/21

PCO NO.: RFP 2.1 Chlorine Contact Tank Retrofit

PREPARED BY: Steve Davis

POD NO.: RFP 2.4 Chlorine Contact Tank Retrofit														PREPARED BY: Steve Davis				
DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT	
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost		
Aggregate Removal, Hauling and Disposal																		
																	\$ 3,102.00	
																	\$ 1,893.00	
																	\$ 3,642.00	
Load Out Waste	330.00	Tons																
Foreman	1.00	EA	50.00	50	\$ 29.88	\$ 1,893.00											\$ 4,590.00	
Operator	1.00	EA	50.00	50	\$ 36.42	\$ 3,642.00											\$ 15,840.00	
Laborer	2.00	EA	50.00	100													\$ 300.00	
																	\$ 50.00	
Haul Aggregate to landfill	50.00	Hrs																
Disposal of Aggregate at landfill	330.00	Tons																
Waste Stream Approval (State)	1.00	EA															\$ 2,229.00	
Waste Approval Fee (per profile)	1.00	EA															\$ 3,018.40	
Equipment	1.00	WK																
Long Reach Excavator	15.00	HR																
CAT 335 Excavator																		
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																		
OTHER																		
STS - small tools, consumables, safety equip. (\$5 per Direct Manhour, plus 8.75% sales tax. Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)	200	MHR														\$ 6.00	\$ 1,000.00	
TAX: (9.75% of Material, Equipment, Other)																		
SUBTOTALS																		
MARKUP %																		
SUBTOTALS WITH MARKUPS APPLIED																		
BOND																		
TOTAL																		

Franklin WRF Modifications & Expansion Project
City of Franklin, TN

Job Number, 103925
Material Contract No. 103925-MC-001

Attachment A

Schedule of Values

Item	Description	Approx. Quantity	Unit of Measure	Unit Price	Total
1	TDOT 57 Stone	26,620.00	TN	\$ 18.00	\$ 479,160.00

EXHIBIT D

MATERIAL CONTRACT CHANGE ORDER

Job Name: Franklin WRF Modifications & Expansion Project Job No. 103925
Material Contract No. 103925-MC-001 Contract ID No. MXXXXXX-XXX

Material Contract Change Order No. 2

Company No. 1044

TO: (Seller's Name and Address)

Rogers Group, Inc.

646 Highway 89

Lewisburg, TN 37091

FROM: (Contractor's Name and Address)

Kiewit Infrastructure South Co.

4800 North Point Parkway

Alpharetta, GA 30022

Pursuant to the "Changes" clause of the Material Contract, the following changes are made:

This change order is being issued to add additional quantity to Surge Stone and 2" to 3" Stone, as well as reducing quantity of TDOT Grade D (Building Pad).

Item	Description	Qty	Qty	Qty	Measure	Price	Total
1	Surge Stone	850.00	4,150.00	5,000.00	Ton	\$ 11.50	\$ 47,725.00



INDUSTRIAL AND MUNICIPAL SUPPLY
P.O. BOX 573
WEST POINT, GA 31833
Phone: (706) 643-4214 ***** Fax (706) 643-5515

Quote Summary

Quote #: 2019-5041-54
Quote Name: FRANKLIN WATER RECLAMATION FACILITY-54 RFP2.1 HOSE
Location: FRANKLIN, TN

Quote Name: FRANKLIN WATER RECLAMATION FACILITY										Unit Sell	Total Sell
Location: FRANKLIN, TN											
Mark #	Seq #	Quantity	Unit	Size	Material	Length	Joint	Fitting	Description		
HEADING: 1											
DESCRIPTION: RFP2.1 CHLORINE CONTACT TANK - SLUDGE											
1-1	1	2	EA	3"	EPDM	7'-0"	FLEXIBLE	HOSE	3" ID x 7 FOOT LONG	\$204.17	\$408.34
1-2	2	2	EA	3"	STAINLESS STEEL		KING	NIPPLE	FACTORY APPLIED TO ONE END OF HOSE TYPE 316 STAINLESS STEEL	\$185.90	\$371.80
1-3	3	2	EA	3"	STAINLESS STEEL		EYE	HOOK	FACTORY APPLIED ON ONE END OF HOSE FOR ATTACHING 1/4" CABLE TYPE 316 STAINLESS STEEL	\$217.95	\$435.90
1-4	4	2	EA	4"	DUCTILE		FLANGE	MEGAFLANGE	EBBA MODEL 2100 WITH GASKET FOR DUCTILE IRON "AIS"	\$95.51	\$191.02
1-5	5	2	EA	4"	DUCTILE		FLANGE	BLIND FLANGE	COMPLIANT WITH 3" NPT TAP IN CENTER RED PRIMED "AIS" COMPLIANT	\$167.75	\$335.50
1-6	6	2	EA	4"	STAINLESS STEEL		FLANGE	BOLT SET	PRE-PACKAGED TYPE 316 STAINLESS STEEL HEAVY HEX BOLTS AND NUTS WITH 1/8" EPDM FULL FACE GASKET "AIS" COMPLIANT	\$143.01	\$286.02

1/29/2021

McMASTER-CARR®**Ships today**

1	Corrosion-Resistant Wire Rope Not for Lifting, 316 Stainless Steel, 7 x 19, 1/4" Diameter, 50 ft. length 8908T52 Length, ft. 50	1 Each	\$158.50 Each	\$158.50
2	Forged Stainless Steel Single-Saddle Wire Rope Clamp Not for Lifting, for 1/4" Wire Rope Diameter 1973N14	8 Each	10.80 Each	86.40

Merchandise

\$244.90

Applicable shipping and tax will be added.

+ 25.00 shipping (estimate)
\$ 269.90 Total

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.



T&W Construction

DATE: JUNE 6, 2018

2405 Lasonya Ln, Horn Lake, MS 38637
Phone 901-870-1253 Fax 662-470-7135
twconstruction2015@gmail.com

TO Kyle Adkins
Kiewit Infrastructure South Co.
1700 Hayes St, Suite 104
Nashville, TN 37203
469-276-3789
KyleW.Adkins@kiewit.com

PROJECT NAME	JOB	DUE DATE
Franklin WRF Modification & Expansion Project.	Hauling	6/15/2018

[illegible]

THANK YOU FOR YOUR BUSINESS!



Waste Management
Industrial Technical Center
36964 Alabama Highway 17
P.O. Box 55
Emelle, AL 35459
(205) 652-8166

November 12, 2020

Steven Davis
Kiewit
Email: steven.davis1@kiewit.com

Dear Steven,

Waste Management is pleased to provide this proposal for the disposal of the below referenced material. Based on the information provided, the following summarizes our quotation.

<u>Disposal Facility:</u>	Cedar Ridge Landfill 2340 Mooresville Hwy Lewisburg, TN 37091
<u>Waste Location:</u>	City of Franklin, TN
<u>Waste Description:</u>	WWTP Sludge
<u>Disposal Method:</u>	Direct Landfill
<u>Disposal Price:</u>	\$38.50 / Ton plus Tax ▪ 4 Ton per Load Minimum ▪ WM Can Only Accept 100 Tons per day ▪ Last Load Must Arrive by 2:00PM ▪ State Approval is Required \$300.00/Each Waste Stream– Paid Directly to the State
<u>TN Tax:</u>	\$1.25/Ton - State of TN \$1.34/Ton – Marshall County Fee
<u>Approval Fees:</u>	
Waste Approval Fee	\$ 50.00 / Profile
* See attachment for additional fees/surcharges that may apply	
<u>WM Fuel Surcharge:</u>	Varies Weekly
<u>Environmental Fee:</u>	\$13.00/Load (Less than 4 Tons) \$26.00/Load (Greater than 4 Tons)
<u>RCR (Regulatory Cost Recovery):</u>	3.6%
<u>Waste Water Management:</u>	6.50%
Effective 1/1/2021 WM Will Increase to 8.5%	

All pricing is contingent upon review of the Generator's Waste Material Profile Sheet. An executed Industrial Service Agreement will be required prior to commencement of services. The Waste Profile and all supporting documents may be completed online at www.wmsolutions.com. These documents must be signed by an authorized signatory of the Generator.

Your waste may be subject to the conditions and possible surcharges set forth in Attachment 1.

Waste Management reserves the right to refuse any load or discontinue any waste stream should such waste pose a threat to human health or safety, prove to be operationally challenging, or is in violation of any WM permit.

Upon acceptance of this proposal, please contact me at your earliest convenience to begin the approval process.

This proposal is good for sixty (60) days. If not accepted in the allotted time, all pricing will expire.

Thank you for the opportunity to provide you with this proposal. If you have any questions, please feel free to contact me at (615) 202-3585.

Sincerely,
Waste Management

Stacey Cothran
Account Manager

SC/SH

ATTACHMENT

FEES/SURCHARGES: (If Applicable)

APPROVAL FEES:

Waste Approval Fee:	\$ 50.00/Profile
---------------------	------------------

Preprinted Manifest - \$1.00/Each - \$25.00 Minimum Order

Spill Cleanup - \$500.00/load

Unscheduled/Late Load - \$250.00/load

Certification of Burial/Destruction – \$200.00

Wash-Out - \$200/load

Special Handling/Burial - \$175.00

Dig-Out - \$150.00

Project Consulting - \$100.00

Pull-Off's - \$100.00

Overweight Loads - \$100.00

Rental Rate Blue Book®

June 1, 2020

Caterpillar 950M

4-Wd Articulated Wheel Loaders

Size Class:
225 - 249 HP
Weight:
N/A


Configuration for 950M

Bucket Capacity - Heaped	12.0 cu yd	Net Horsepower	230.0 hp
Operator Protection	ROPS/FOPS	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$8,485.00	USD \$2,375.00	USD \$595.00	USD \$89.00	USD \$44.81	USD \$93.02
Adjustments						
Region (Franklin, Tennessee: 106.7%)	USD \$568.49	USD \$159.13	USD \$39.87	USD \$5.96		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$9,053.50	USD \$2,534.13	USD \$634.86	USD \$94.96	USD \$44.81	USD \$96.25

Non-Active Use Rates

	Hourly
Standby Rate	USD \$32.41
Idling Rate	USD \$74.10

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	41%	USD \$3,478.85/mo
Overhaul (ownership)	37%	USD \$3,139.45/mo
CFC (ownership)	12%	USD \$1,018.20/mo
Indirect (ownership)	10%	USD \$848.50/mo
Fuel (operating) @ USD 3.07	51%	USD \$22.66/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

www.equipmentwatch.com

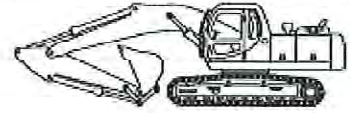
All prices shown in US dollars (\$)

Rental Rate Blue Book®

June 1, 2020

Caterpillar 335F L CR

Crawler Mounted Hydraulic Excavators



Size Class:

40.1 - 50.0 MTons

Weight:

N/A

Configuration for 335F L CR

Bucket Capacity - Heaped	2.2 cu yd	Net Horsepower	199.8 hp
Operating Weight	84604.6 lbs	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$16,435.00	USD \$4,600.00	USD \$1,150.00	USD \$175.00	USD \$74.08	USD \$167.46
Adjustments						
Region (Franklin, Tennessee: 107.8%)	USD \$1,281.93	USD \$358.80	USD \$89.70	USD \$13.65		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$17,716.93	USD \$4,958.80	USD \$1,239.70	USD \$188.65	USD \$74.08	USD \$174.74

Non-Active Use Rates

Hourly

Standby Rate	USD \$53.35
Idling Rate	USD \$126.34

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	37%	USD \$6,080.95/mo
Overhaul (ownership)	46%	USD \$7,560.10/mo
CFC (ownership)	10%	USD \$1,643.50/mo
Indirect (ownership)	6%	USD \$986.10/mo
Fuel (operating) @ USD 3.07	35%	USD \$25.68/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON (Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

June 1, 2020

Xtreme XR1147

Telescoping Boom Rough Terrain Lift Trucks

Size Class:

5.0 MTons & Over

Weight:

N/A


Configuration for XR1147

Base Capacity	11000 lbs	Horsepower	74 hp
Maximum Lift Height	47 in	Maximum Reach	378.0 in
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$8,615.00	USD \$2,415.00	USD \$605.00	USD \$91.00	USD \$37.36	USD \$86.31
Adjustments						
Region (Franklin, Tennessee: 108%)	USD \$689.20	USD \$193.20	USD \$48.40	USD \$7.28		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$9,304.20	USD \$2,608.20	USD \$653.40	USD \$98.28	USD \$37.36	USD \$90.22

Non-Active Use Rates

Standby Rate

Idling Rate

XR1055 Model was not in EquipmentWatch Estimated rate of \$60Hr.

Hourly

USD \$22.20

USD \$59.22

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	29%	USD \$2,498.35/mo
Overhaul (ownership)	57%	USD \$4,910.55/mo
CFC (ownership)	6%	USD \$516.90/mo
Indirect (ownership)	7%	USD \$603.05/mo
Fuel (operating) @ USD 3.07	17%	USD \$6.36/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON (Michael.Sheston@kiewit.com)



RENTAL QUOTE

BRANCH TEN
613 BEECHCROFT RD
SPRING HILL TN 37174-2307
931-486-2920
931-486-0423 FAX

189207233

Job Site
FRANKLIN WTP MOD 103925
135 CLAUDE YATES DR
FRANKLIN TN 37064-2085
Office: 817-337-7000 Cell: 615-879-5275

Customer # : 1307612
Quote Date : 12/18/20
Estimated Out : 12/21/20 12:00 PM
Estimated In : 01/18/21 12:00 PM
UR Job Loc : 135 CLAUDE YATES DR,
UR Job # : 174
Customer Job ID:
P.O. # : TBD
Ordered By : JOHN CLEM
Written By : CHESTON WESSON
Salesperson : CHESTON WESSON

KIEWIT INFRA SOUTH CENTRAL
PO BOX 452500
OMAHA NE 68145-2500

This is not an invoice
Please do not pay from this document

RENTAL ITEMS:

Qty	Equipment	Description	Minimum	Day	Week	Month	Estimated Amt.
1	9051095	EXCAVATOR 53000-59999# LONG REACH	749.00	749.00	2,229.00	8,500.00	8,500.00

SALES/MISCELLANEOUS ITEMS:

Qty	Item	Price	Unit of Measure	Extended Amt.
1	DELIVERY CHARGE	275.000	EACH	275.00
1	PICKUP CHARGE	275.000	EACH	275.00
Sales/Misc Subtotal:				550.00
Agreement Subtotal:				9,050.00
Tax:				736.62
Estimated Total:				9,786.62

COMMENTS/NOTES:

CONTACT: JOHN CLEM
CELL#: 615-879-5275

This proposal may be withdrawn if not accepted within 30 days. The above referenced Rental Protection Plan, environmental, and tax charges are estimates and are subject to change.

NOTICE: This is not a rental agreement. The rental of equipment and any items listed above is subject to availability and subject to the terms and conditions of the Rental and Service Agreement, which are available at <https://www.unitedrentals.com/legal/rental-service-terms-US> and which are incorporated herein by reference. A COPY OF THE RENTAL AND SERVICE AGREEMENT TERMS ARE AVAILABLE IN PAPER FORM UPON REQUEST.



Parkview Towers
210 25th Avenue North, Suite 1102
Nashville, Tennessee 37203
tel: 615-771-2466
fax: 615-778-9733

May 27, 2020

Mr. Steve Davis
Kiewit Infrastructure South Co.
4405 International Blvd NW, Suite C-101
Norcross, GA 30093

Subject: Franklin WRF Expansion Project
Request for Proposal (RFP) No. 6

Dear Mr. Davis;

The purpose of this Request for Proposal (RFP) is to obtain a price for replacement of the pressure indicator transmitter (PIT), high pressure switch (PSH), and low pressure switch (PSL) for the Reclaimed Water Pumping Station. Currently, these existing instruments are located in the pre-fabricated chemical building and are tied to the sample line that feeds the chlorine analyzer in that building. The proposed design would include a new PIT, PSH and PSL in the valve pit for Reuse Pump number 1. The existing PIT, PSH and PTL must be removed and connections to the sample lines must be plugged/capped. Specific requirements include:

- The pressure transmitter shall conform to the requirements of 13340.2.11, and the pressure switches shall conform to the requirements of 13340.2.12. Installation shall generally follow Detail G on I-61. No diaphragm seal is needed.
- Provide wiring for 1 analog and 2 discrete signals from the respective instruments to the Reclaimed Water Pump Station Control Panel, and from there to PLC 4, as per the CCA. The transmitter is loop-powered, and the switches are wetted, from the PLC/control panel end.
- Provide a display of the pressure reading in the Pre-Fabricated Electrical Building, which is adjacent to the Pre-Fabricated Chemical Building. Provide a panel meter (13330.2.17), and a signal isolator/converter (13330.2.12) to split the 4-20mA signal, mounted in a NEMA 12 enclosure on the wall in the room.
- The two pressure switches are used in hardwired backup controls in the RWPS Control Panel, and the pressure transmitter will be part of the PLC 4 controls. The programming of the old US Filter controller was to be duplicated in PLC 4 per CCA 25.1. The new pressure transmitter shall be used for that logic. The pressure switches can be used for logic if required, and either way should be picked up in the HMI as alarms.



RFP No. 6
March 27, 2020
Page 2

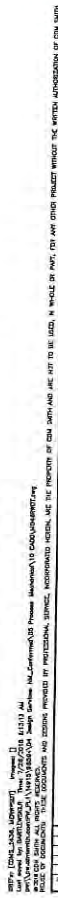
Please refer to revised Sheets M-46, E-75 and I-21 for additional details. Thank you in advance and feel free to contact me with any questions.

Sincerely,

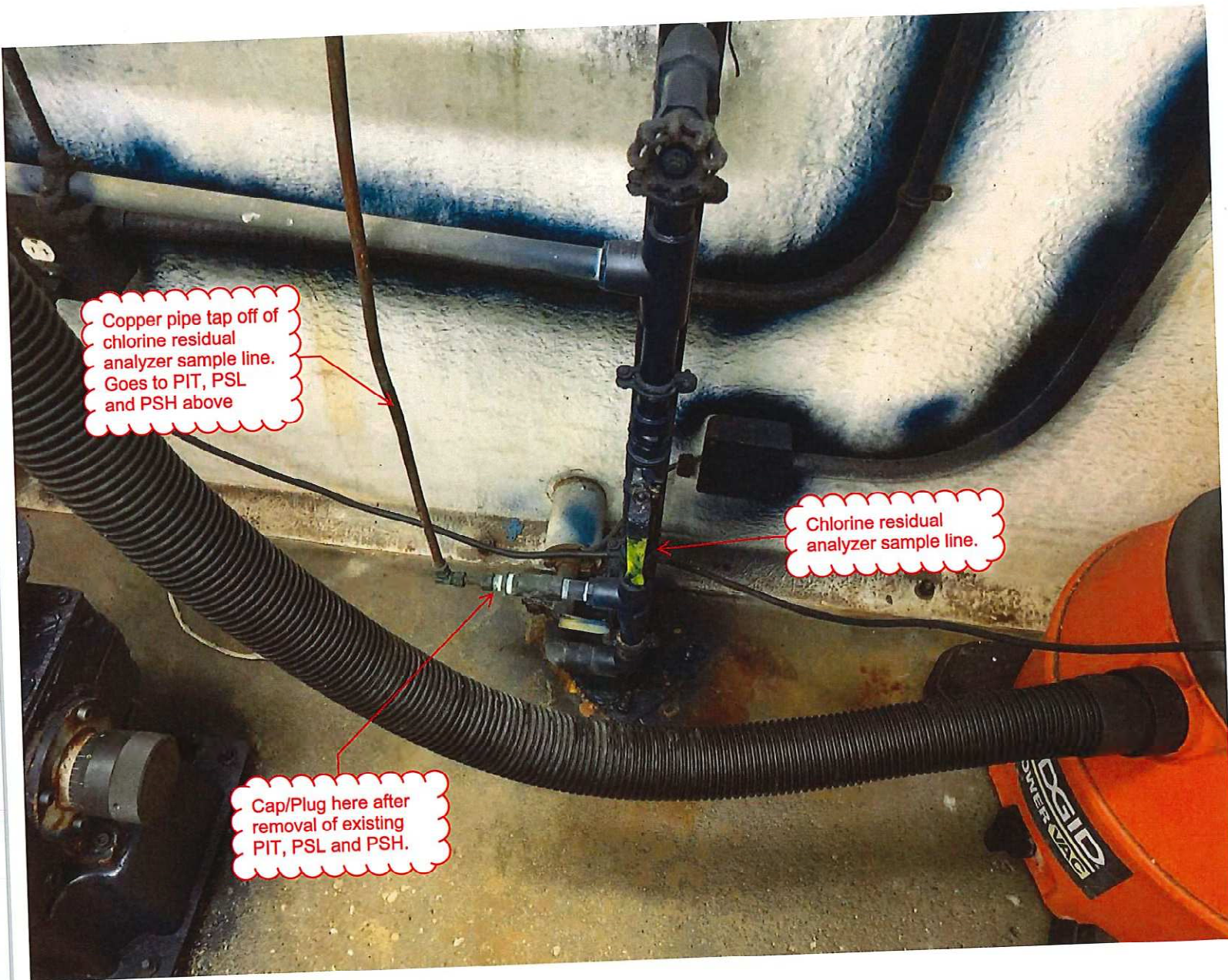
A handwritten signature in blue ink, appearing to read "D. Harris".

Daniel A. Harris, PMP, CCM, LEED GA
Project Manager
CDM Smith

cc: Michelle Hatcher, City of Franklin
Brian Goodwin, City of Franklin
File 231666.05.02.10



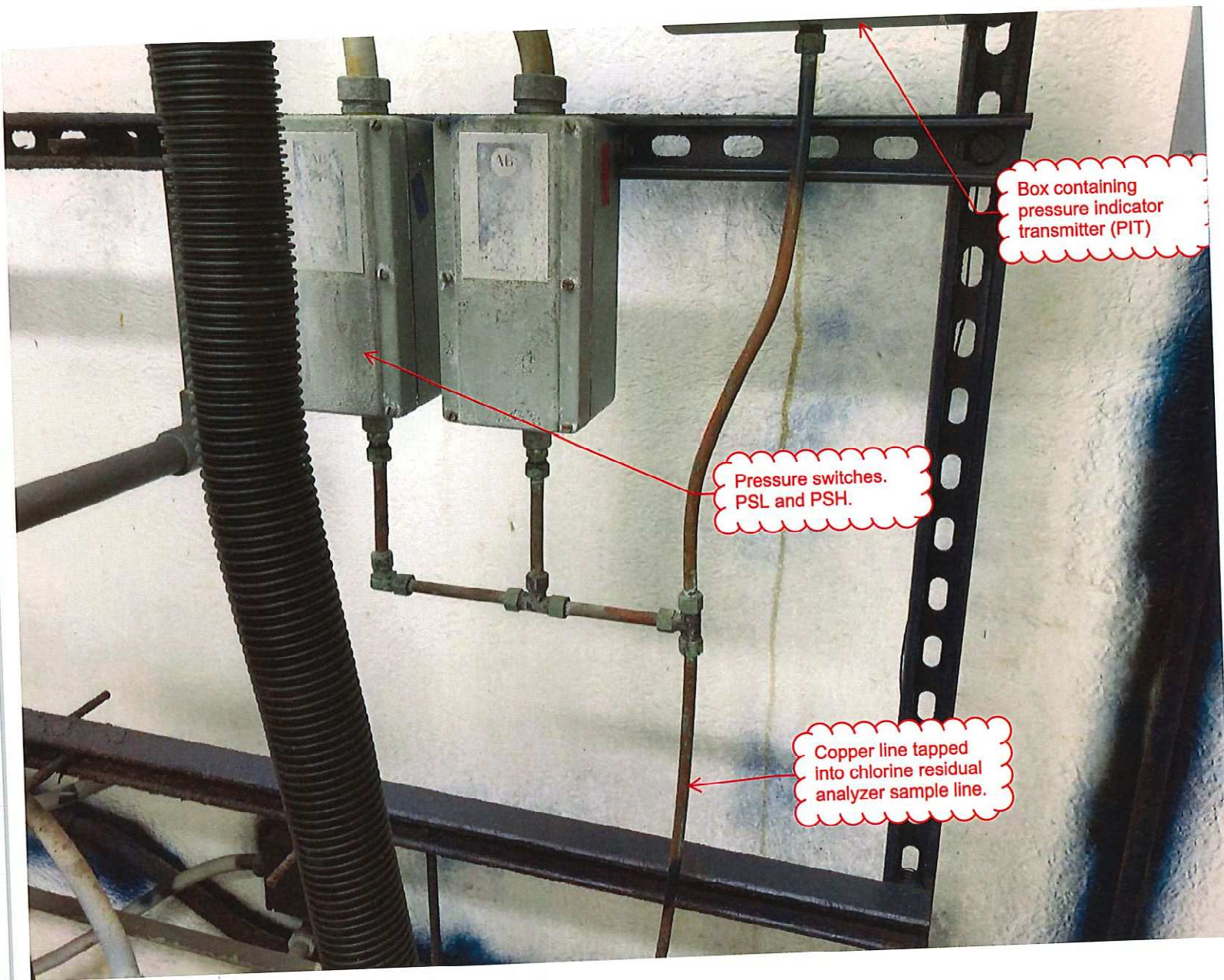
CONFORMED DRAWING - AUGUST 2018



Copper pipe tap off of chlorine residual analyzer sample line. Goes to PIT, PSL and PSH above

Chlorine residual analyzer sample line.

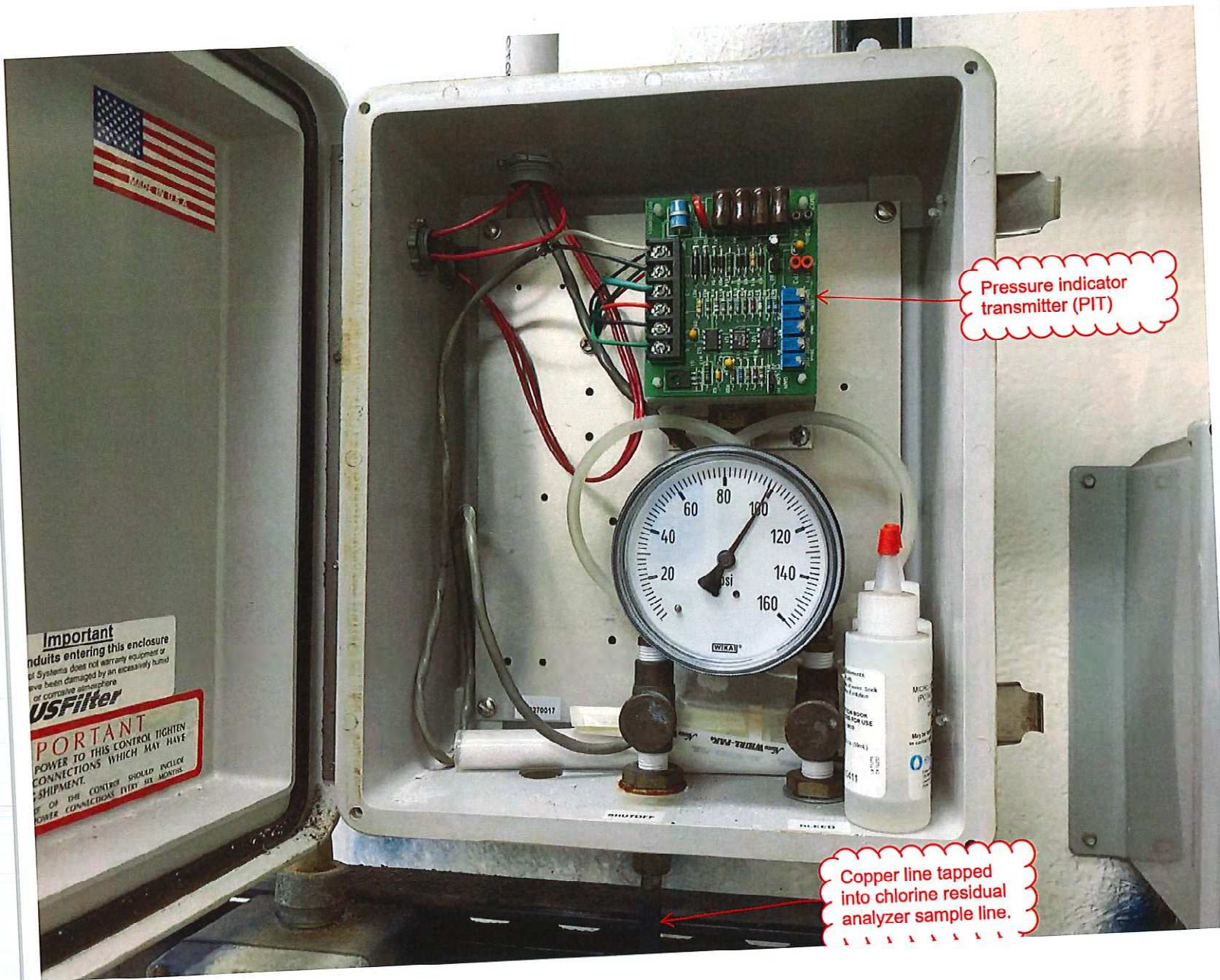
Cap/Plug here after removal of existing PIT, PSL and PSH.



Box containing
pressure indicator
transmitter (PIT)

Pressure switches.
PSL and PSH.

Copper line tapped
into chlorine residual
analyzer sample line.



Pressure indicator
transmitter (PIT)

Copper line tapped
into chlorine residual
analyzer sample line.

Important
Induits entering this enclosure
of Systems does not warranty equipment or
have been damaged by an excessively humid
or corrosive atmosphere
USFilter
PORTANT
POWER TO THIS CONTROL TIGHTEN
CONNECTIONS WHICH MAY HAVE
SHIPMENT.
OF THE CONTROL SHOULD INCLUDE
PORTER CONNECTIONS EVERY SIX MONTHS.



Kiewit

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

February 17, 2021

CP-KIEWIT-00138.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: Revised RWPS Instrumentation (PIT, PSH, PSL) for RFP 06

Dear Mr. Harris,

Attached you will find Kiewit's revised cost proposal for **RFP 6 – Reclaimed Water Pumping Station Instrumentation (PIT, PSH, PSL)**, amounting to **Twenty-Two Thousand Eight Dollars (\$22,008.00)**.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022



DATE: 2/18/21

PCO NO.: RFP#5

PREPARED BY: Steve Davis

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Labor - Existing Instrumentation Panel Changes	1.00	EA	1.00	1	\$ 62.31	\$ 62.31											\$ 62.31
Foreman	1.00	EA	2.00	2	\$ 66.96	\$ 133.92											\$ 133.92
Pipefitter	1.00	EA	2.00	2	\$ 38.78	\$ 77.56											\$ 77.56
Laborer																	
Labor - Install Instrumentation	1.00	EA	3.00	3	\$ 62.31	\$ 186.93											\$ 186.93
Foreman	1.00	EA	6.00	6	\$ 66.96	\$ 401.76											\$ 401.76
Pipefitter	1.00	EA	6.00	6	\$ 38.78	\$ 232.68											\$ 232.68
Laborer																	
Materials																	
Small Bore Piping and Valves	1.00	LS							\$ 299.13	\$ 299.13							\$ 299.13
Subcontractor(s)																	
Control Instruments Inc.	1.00	EA															
Wayne J. Griffin Electric, Inc.	1.00	EA															
**Construction Equipment Ownership & Operating																	
Costs are based on Blue Book FHMA Rates.																	
OTHER																	
STS - small tools, consumables, safety equip. (\$5 per Direct Manhour, plus 9.75% sales tax: Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)			MHR	20		\$ -											\$ 99.75
TAX: (9.75% of Material, Equipment, Other)						\$ 1,095.16											\$ 1,095.16
BOND (2% of total)						\$ 15,007.98											\$ 15,007.98
SUBTOTALS						\$ 1,259.43											\$ 1,259.43
MARKUP %																	
SUBTOTALS WITH MARKUPS APPLIED																	
BOND																	
TOTAL																	\$ 222

Kiewit Infrastructure South Co
Hourly Rates (Confidential)
2020 Breakdown of Craft Wage Burden Rates

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Project No: 103925

Wage Type	Foreman		Dozer		Loader/Roller		Forklift/Crane		Excavator		Pipelayer		Laborer	
	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages	\$ 40.00	\$ 60.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 24.00	\$ 36.00
PTO Burden	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.15	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	\$ 3.50	\$ 5.26	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.45	\$ 3.68	\$ 2.10	\$ 3.15
Retirement Burden	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.65	\$ 1.66
Insurance Burden	\$ 1.49	\$ 2.24	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.04	\$ 1.57	\$ 0.90	\$ 1.34
Additional Wages	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subsistence	\$ 15.07	\$ 15.07	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54
Total	\$ 62.31	\$ 84.80	\$ 48.38	\$ 65.25	\$ 43.28	\$ 59.03	\$ 48.38	\$ 65.25	\$ 43.28	\$ 59.03	\$ 43.28	\$ 59.03	\$ 38.78	\$ 52.28

Wage Type	Pipefitter (Foreman)		Pipefitter		Millwright		Carpenter (Building)		Carpenter (Heavy)		Iron Worker (Building)		Iron Worker (Heavy)	
	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages	\$ 38.55	\$ 57.83	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16
PTO Burden	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	\$ 3.38	\$ 5.07	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52	\$ 2.45	\$ 3.68	\$ 2.45	\$ 3.68	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52
Retirement Burden	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	\$ 1.44	\$ 2.16	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50	\$ 1.04	\$ 1.57	\$ 1.04	\$ 1.57	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50
Additional Wages	\$ 16.42	\$ 16.42	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94	\$ -	\$ -	\$ 11.71	\$ 11.71	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94
Subsistence	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54
Total	\$ 71.56	\$ 93.25	\$ 69.32	\$ 89.87	\$ 54.83	\$ 69.89	\$ 43.28	\$ 59.03	\$ 54.39	\$ 70.74	\$ 69.32	\$ 89.87	\$ 54.83	\$ 69.89

Wage Type	Survey	
	Straight	OT
Labor - Base Wages	\$ 33.00	\$ 49.50
PTO Burden	\$ 0.19	\$ 0.19
Tax Burden	\$ 2.89	\$ 4.34
Retirement Burden	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66
Insurance Burden	\$ 1.23	\$ 1.85
Additional Wages	\$ -	\$ -
Subsistence	\$ 13.92	\$ 13.92
Total	\$ 53.28	\$ 71.84



INDUSTRIAL AND MUNICIPAL SUPPLY

P.O BOX 573

WEST POINT, GA 31833

Phone: (706) 643-4214 ***** Fax (706) 643-5515

Quote Summary

FRANKLIN, TN

Quantity	Size	Length	Joint	Fitting	Description	Unit Sell	Total Sell
7	1/2"	0-3"	THREAD	NIPPLE	STAINLESS STEEL, SCHEDULE 40S, TYPE 316	\$3.21	\$22.47
3	1/2"		THREAD	BALL VALVE	STAINLESS STEEL, 2-PIECE STANDARD PORT WITH LEVER HANDLE APOLLO 76103 MODEL "AISI" COMPLIANT	\$62.08	\$186.24
2	1/2"		VALVE	TEE	STAINLESS STEEL, SCHEDULE 40S, TYPE 316	\$25.65	\$51.28
1	1/2"		THREAD	90 BEND	STAINLESS STEEL, SCHEDULE 40S, TYPE 316	\$16.03	\$16.03
2	1/2"	0-6"	THREAD	NIPPLE	STAINLESS STEEL, SCHEDULE 40S, TYPE 316	\$5.64	\$11.28
1	1/2"	0-3"	THREAD	DIELECTRIC NIPPLE	GALVANIZED, "AISI" COMPLIANT	\$11.83	\$11.83
HEADING: 1							
Fittings for RFP #6							
End of Quote Summary							
STOCK - 1 DAY FREIGHT CHARGES PPD & ADDED TO INVOICE							
Total							\$299.13



CONTROL INSTRUMENTS, INC.

NATIONWIDE SYSTEM INTEGRATION
Providing solutions since 1962



5253 OAKDALE ROAD • SMYRNA, GEORGIA 30082
MAILING ADDRESS: 4480H SOUTH COBB DRIVE • PMB 301 • SMYRNA, GA 30080-6984
PHONE: 404/351-1085 • FAX: 404/794-5784 • EMAIL: admin@c2iinc.com

FLORIDA OPERATIONS OFFICE:
23 S. DILLINGHAM AVENUE, STE. A
KISSIMMEE, FL 34741
PHONE: 404/351-1085

FIELD OFFICES: Georgia
Florida
Tennessee

September 16, 2020

Kiewit Water Facilities South
135 Claude Yates Drive
Franklin, TN 37064

Attn: Corbin Coker

PROJECT: FRANKLIN WRF MODIFICATIONS & EXPANSION PROJECT
OWNER: CITY OF FRANKLIN, TN
ENGINEER: CDM SMITH, INC.
CONTRACT: 103925-SC-004
KIEWIT JOB NO.: 103925
C2i JOB NO: 09181015

Reference: Reclaimed Water Pumping Station Gauges/Switches RFP 6

Dear Corbin:

As requested, we are pleased to provide a proposal for the following items:

- Pressure transmitter (no seal)
- High pressure switch (no seal)
- Low pressure switch (no seal)
- Indicator
- Signal Splitter
- Commissioning

The price, per the attached Bid Summary Sheet, is \$11,826.54 (no taxes).

If you have any questions, please let us know.

Sincerely,

Mark G. Healey
CONTROL INSTRUMENTS, INC./C2i
MGH/jw
Attachment

cc: Sue Adams / Jonathon Johnson - C2i

BID SUMMARY SHEET

PROJECT: Franklin
CONSULTANT: CDM Smith

Bid Date: 9/16/2020

REFERENCE: RWPS Gaugees and Switches

JOB DURATION: _____
PENALTY: _____
ESTIMATOR: _____ MGH

PENALTY:

ESTIMATOR: MGH

FIELD EQUIPMENT.....

PANEL EQUIPMENT.....

	PRICE
\$	1,786.00
\$	908.00
\$	0.00
\$	0.00
\$	0.00
\$	0.00
\$	2,694.00

MATERIAL TOTALS:

ADMINISTRATION	\$1,150.00	/Day x	0.50
PURCHASING	\$1,150.00	/Day x	1.00
ENGINEERING:	\$1,200.00	/Day x	0.00
MANUFACTURING:	\$783.00	/Day x	0.50
DOCUMENTATION:	\$684.00	/Day x	0.50
PROGRAMMING (PLC):	\$1,200.00	/Day x	0.00
PROGRAMMING (OIT):	\$1,200.00	/Day x	1.00
SERVICE ESTIMATE:	\$1,200.00	/Day x	2.00
SERVICE ESTIMATE:	\$1,043.00	/Day x	
FREIGHT/SHIPPING:			
DOCUMENTATION MATERIALS:			

TRAVEL COST_3_days
on site @\$200/day

LABOR TOTALS:

	PRICE	SIGN-OFF
\$	575.00	
\$	575.00	
\$	1,200.00	
\$	0.00	
\$	342.00	
\$	600.00	
\$	0.00	
\$	1,200.00	
\$	2,086.00	
\$	200.00	
\$	50.00	
\$	600.00	
\$	7,428.00	

MATERIAL AND LABOR TOTALS:

1.60% Bond

Subtotal

15.00% Markup

	PRICE
\$	10,122.00
\$	161.95
	0
	10,283.95
	0.00
\$ 1,542.59	11,826.54

SELECTED JOB PRICE:

Allowance	Yes/No:	No	
Bonds	Yes/No:	Yes	1.60%
Taxes	Yes/No:	No	0.00%

Total Price:

	PRICE	SIGN-OFF
\$	11,826.54	
\$		
\$		
\$		
\$		
\$		
\$	0.00	
\$	11,826.54	



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

September 11, 2020

VIA EMAIL ONLY: Steven.Davis1@kiewit.com

Mr. Steven Davis, Project Manager
Kiewit
135 Claude Yates Drive
Franklin, TN 37064

RE: Job #6198 - Franklin WRF Mods and Exp, Franklin, TN
Proposal #40

Dear Mr. Davis:

Wayne J. Griffin Electric, Inc. ("WJGEI") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

This proposal is for the replacement and relocation of the Pressure Indicating Transmitter (PIT), High Pressure Switch (PSH), and Low Pressure Switch (PSL) at the Reclaimed Water Pump as detailed in RFP-006. This proposal is for Raceways, Conductors and Terminations at the device. All equipment will be provided by others.

Material	\$ 2,779.73
Labor	3,696.83
Overhead & Profit	971.48
Subtotal	\$ 7,448.04
Bond	37.99
Total	\$ 7,486.03

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us.

Corporate Headquarters:
116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:
296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

1950 Evergreen Boulevard
Suite 300
Duluth, GA 30096
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

Mr. Steven Davis
September 11, 2020
Page 2

The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (205) 733-8848 ext. 6175 or troberson@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Timothy R. Roberson
Project Manager

TRR/jmr

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: Corbin Coker, Engineer, Kiewit, Corbin.Coker@Kiewit.com
Calvin Mize, Regional Manager, Wayne J. Griffin Electric, Inc.



116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251

CCN#: P-0040, RFP 006 - RWPS Pressure Switches
Date: 9/11/2020
Project Name: Franklin WRF Mods and Exp
Project Number: 06198-00-18
Page Number: 1

Work Description

This proposal is for the replacement and relocation of the Pressure Indicating Transmitter (PIT), High Pressure Switch (PSH), and Low Pressure Switch (PSL) at the Reclaimed Water Pump as detailed in RFP-006. This proposal is for Raceways, Conductors and Terminations at the device. All equipment will be provided by others.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
As Builts	0.00	0.0000	HRS	0.000	0.000	1.080
Cleanup	0.00	0.0000	HRS	0.000	0.000	1.080
Tools	0.00	0.0000	HRS	0.000	0.000	1.300
Field Safety/JHA	0.00	0.0000	HRS	0.000	0.000	1.080
Supervision	0.00	0.0000	HRS	0.000	0.000	2.160
Project Controls	0.00	0.0000	HRS	0.000	0.000	2.160
DEMO	1.00	0.0000	LO	0.000	8.000	8.000
HEAT SHRINK LABELS	16.00	0.3300	EA	5.280	0.060	0.960
3/4" ALUMINUM CONDUIT	100.00	5.4256	FT	542.560	0.055	5.500
1 1/2 CORED HOLE UP TO 8" DEEP	2.00	250.0000	EA	500.000	1.100	2.200
3/4" ALUMINUM 90D ELBOW	6.00	31.6600	EA	189.360	0.300	1.800
3/4" 3-PIECE COUPLING	1.00	17.8800	EA	17.880	0.700	0.700
3/4" ALUM COUPLING	12.00	11.1900	EA	134.280	0.300	3.600
3/4" RIGID THREADED "LB" CONDULET (ALUM)	4.00	18.4400	EA	73.760	0.600	2.400
3/4" RIGID THREADED "T" CONDULET (ALUM)	3.00	23.4400	EA	70.320	1.000	3.000
3/4" MYERS HUBS DIE CAST	3.00	31.0300	EA	93.090	1.100	3.300
3/4" - 1/2" REDUCING BUSHING	3.00	3.4967	EA	10.490	0.170	0.510
1/2 LIQUIDTITE CONDUIT	12.00	2.3300	FT	27.960	0.040	0.480
1/2" LIQUID TIGHT STEEL STRAIGHT I.T. INSULATED CONN	8.00	5.9875	EA	47.900	0.150	1.200
#14 XHHW COPPER WIRE	285.00	0.5140	FT	146.490	0.006	1.710
#12 XHHW COPPER WIRE	30.00	0.6977	FT	20.930	0.007	0.210
16/2PR CNTRL CBL SHLD TWSTD PR	110.00	1.6920	FT	186.120	0.012	1.320
1/4 x 2 1/4" WEDGE ANCHOR (SS)	6.00	3.4650	EA	20.790	0.200	1.200
1/4 X 1 1/4" FENDER WASHER (SS)	14.00	0.8400	EA	11.760	0.001	0.017
1/4-20 x 1" MACHINE SCREWS (SS)	14.00	0.9800	EA	13.720	0.070	0.980
20/1 BOLT-ON BREAKERS	1.00	34.2200	EA	34.220	0.340	0.340
3/4" RIGID STRUT CLAMP (702 SERIES)	9.00	6.4011	EA	57.610	0.030	0.270
1 5/8" X 1 5/8" 12 GAUGE 1 5/8 X 1 5/8 PLAIN 10' STRUT (SS)	20.00	23.4895	FT	469.790	0.123	2.450
1/4 SPRING NUTS (SS)	6.00	12.2183	EA	73.310	0.072	0.432
3/4 EYS EXP-PROOF CONDUIT SEAL-OFF FEMALE	1.00	32.1100	EA	32.110	0.600	0.600
Totals				2,779.73		52.04
Tax				0.00		
Materials with				2,779.73		

Summary

	Itemized Breakdown Total	2,779.73
Elect. Journeyman	(52.0388 hrs @ \$71.04 / hr)	3,696.84
		3,696.84
Overhead & Profit	(\$6,476.56 @ 15.00%)	971.48
		971.48
Bond	(\$7,448.04 @ 0.51%)	37.99
		37.99



116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251

CCN#: P-0040, RFP 006 - RWPS Pressure Switches
Date: 9/11/2020
Project Name: Franklin WRF Mods and Exp
Project Number: 06198-00-18
Page Number: 2

	1,009.47
Total	<u>\$7,486.03</u>



Parkview Towers
210 25th Avenue North, Suite 1102
Nashville, Tennessee 37203
tel: 615-771-2466
fax: 615-778-9733

December 7, 2020

Mr. Steve Davis
Kiewit Infrastructure South Co.
4405 International Blvd NW, Suite C-101
Norcross, GA 30093

Subject: Franklin WRF Expansion Project
Request for Proposal (RFP) No. 11

Dear Mr. Davis;

CDM Smith requests that Kiewit provide a proposal to install pump out connections on the drain pipes from the Finished Sludge Tanks. The Finished Sludge Pumping Building was demolished earlier in the project and the drain lines from the two Finished Sludge Tanks were cut off and capped. We would like to tap the ends of the two main drain lines (see the attached drawing and figure) and bring a pipe to the surface with a plug valve and hose connection at each location. The plug valves to be used for these connections are the two plug valves that have been purchased for the digester overflow pipes.

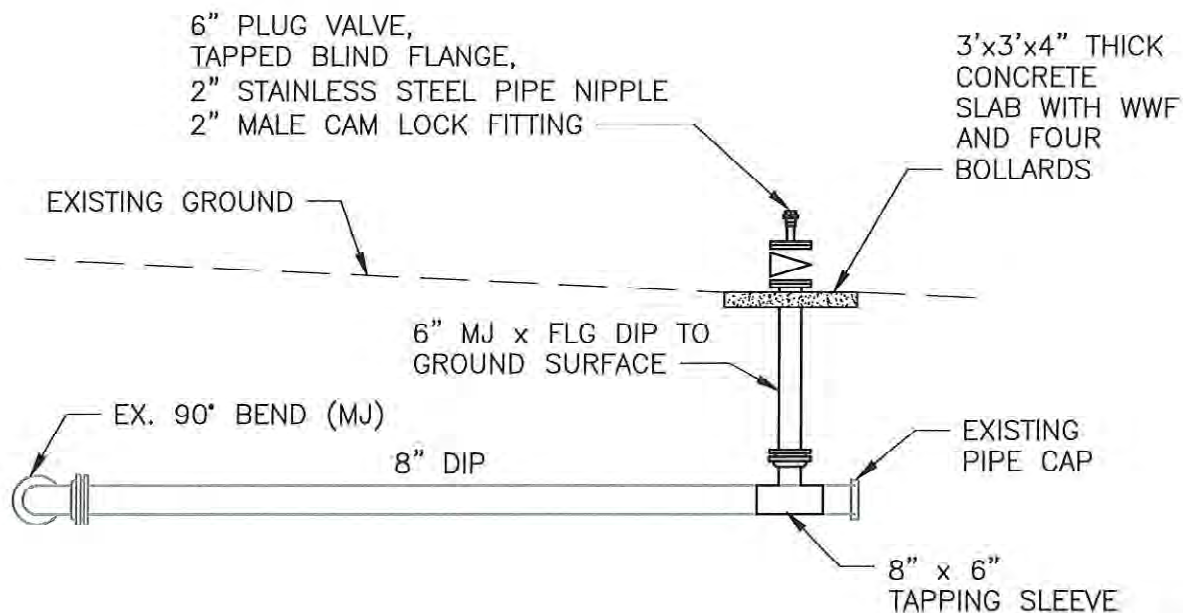
Feel free to contact me with any questions.

Sincerely,

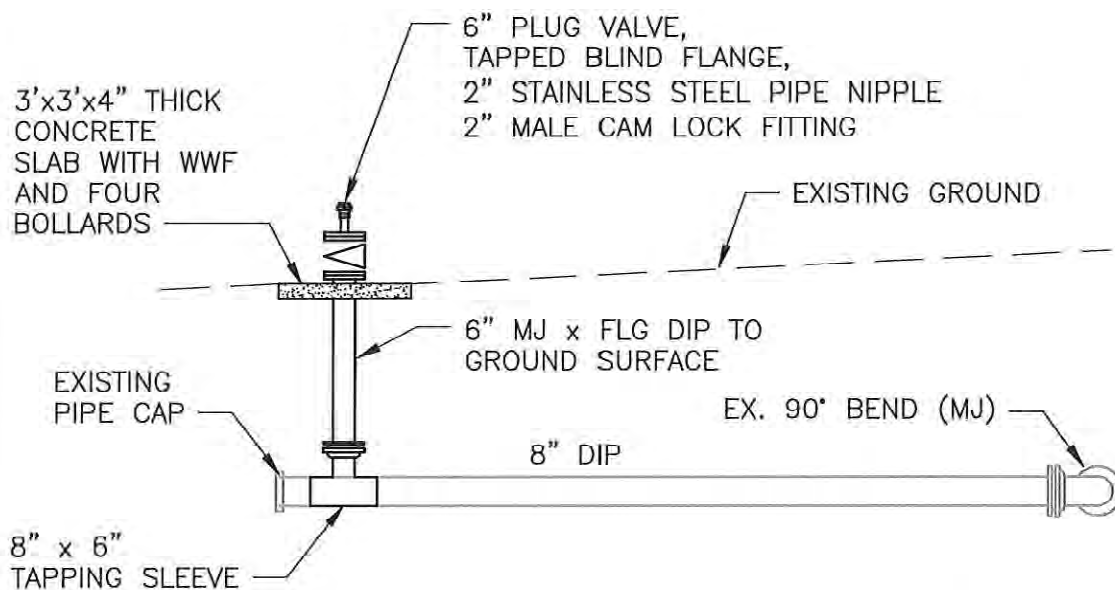
A handwritten signature in blue ink, appearing to read "D. Harris", with a stylized flourish at the end.

Daniel A. Harris, PMP, CCM, LEED GA
Project Manager
CDM Smith

cc: Michelle Hatcher, City of Franklin
Brian Goodwin, City of Franklin
File 231666.05.02.10



CONNECTION NO. 1

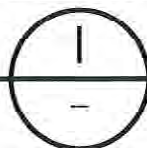


CONNECTION NO. 2

PUMP OUT CONNECTIONS

DETAIL

NOT TO SCALE



**CDM
Smith**

DATE NOV 2020

SHEET NO.

C-23

LOCATION

E-1

RFP
NO.

11

FIGURE
NO.

SK-MD17-3 of 378



Kiewit

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

February 26, 2021

CP-KIEWIT-00100.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: RFP 011 - Pump Out Connections for Finished Sludge Storage Tanks

Dear Mr. Harris,

Attached you will find Kiewit's change proposal for RFP 011 - Pump Out Connections for Finished Sludge Storage Tanks in the amount of **Thirty-Six Thousand Five Hundred Thirty-Nine Dollars (\$36,539.00)**.

In consideration of the project receiving a favorable response from the Tennessee Department of Revenue regarding the broadening of the sales and use tax exemption, Kiewit has not included sales and use taxes on permanent materials provided within this cost proposal that are not covered by the current Industrial Machinery Sales and Use Tax Exemption Certificate. Should the project not receive a favorable ruling, sales and use taxes may need to be revisited for this cost proposal.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022



DATE: 2/26/2021

PCO NO.: RFP 011 Pump Out Connections

PREPARED BY: Steve Davis

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Material Cost					\$ -	\$ -	\$ 4,607.14	\$ 4,607.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,607.14
Core & Main - Ductile Iron Pipe and Fittings	1.00	LS			\$ -	\$ -	\$ 556.80	\$ 556.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 556.80
IMS - St St Nipple and Camlock Fitting/Cap and Chain	1.00	LS			\$ -	\$ -	\$ 136.50	\$ 136.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 136.50
Concrete for Pads (3'x3'x4")	1.00	CY			\$ -	\$ -	\$ 442.00	\$ 442.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 442.00
Bollards	8.00	EA			\$ -	\$ -	\$ 62.00	\$ 496.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 496.00
Bollard Sleeves	8.00	EA			\$ -	\$ -	\$ 136.50	\$ 1,092.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,092.00
Concrete for Bollards	3.00	CY			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Labor					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Excavation	450.00	CY	0.09	41	\$ 62.31	\$ 25,833.10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,833.10
Foreman	1.00	EA		14	\$ 48.36	\$ 681.35	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 681.35
Operator	1.00	EA		14	\$ 38.78	\$ 542.92	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 542.92
Laborer	1.00	EA		14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Install Pipe and Fittings					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Foreman	1.00	EA		8	\$ 62.31	\$ 498.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 498.48
Pipelayer	2.00	EA		16	\$ 43.28	\$ 692.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 692.48
Laborer	1.00	EA		8	\$ 38.78	\$ 310.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310.24
Backfill	450.00	CY	0.18	81	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Foreman	1.00	EA		10	\$ 62.31	\$ 1,009.42	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,009.42
Operator	2.00	EA		32	\$ 48.38	\$ 1,567.51	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,567.51
Laborer	2.00	EA		32	\$ 38.78	\$ 1,256.47	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,256.47
Concrete Pads (3'x3'x4")					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Foreman	1.00	EA		4	\$ 62.31	\$ 249.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 249.24
Carpenter	1.00	EA		4	\$ 54.99	\$ 219.96	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 219.96
Laborer	1.00	EA		4	\$ 38.78	\$ 155.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155.12
Bollards	8.00	EA	7.00	66	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Foreman	1.00	EA		8	\$ 62.31	\$ 498.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 498.48
Carpenter	1.00	EA		20	\$ 54.99	\$ 1,099.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,099.80
Laborer	1.00	EA		20	\$ 38.78	\$ 775.60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 775.60
Operator (Skid Steer)	1.00	EA		8	\$ 48.38	\$ 387.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 387.04
Equipment					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CAT 335 Excavator	2.00	DY			\$ -	\$ -	\$ -	\$ -	\$ 1,239.70	\$ 2,479.40	\$ -	\$ -	\$ -	\$ -	\$ 2,479.40
CAT 950 Loader	2.00	DY			\$ -	\$ -	\$ -	\$ -	\$ 634.86	\$ 1,269.72	\$ -	\$ -	\$ -	\$ -	\$ 1,269.72
CAT D5 Dozer	2.00	DY			\$ -	\$ -	\$ -	\$ -	\$ 600.44	\$ 1,200.88	\$ -	\$ -	\$ -	\$ -	\$ 1,200.88
CAT CS56B Compactor	2.00	DY			\$ -	\$ -	\$ -	\$ -	\$ 464.58	\$ 929.16	\$ -	\$ -	\$ -	\$ -	\$ 929.16
Rammax Compactor	2.00	DY			\$ -	\$ -	\$ -	\$ -	\$ 245.64	\$ 491.28	\$ -	\$ -	\$ -	\$ -	\$ 491.28
Trucking	28.00	HR			\$ -	\$ -	\$ -	\$ -	\$ 56.55	\$ 1,583.40	\$ 90.00	\$ 2,520.00	\$ -	\$ -	\$ 4,153.80
CA1 289 Skid Steer	8.00	HR			\$ -	\$ -	\$ -	\$ -	\$ 30.00	\$ 240.00	\$ -	\$ -	\$ -	\$ -	\$ 240.00
Skid Steer Auger Attachment	8.00	HR			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022



DATE: 2/26/2021

PCO NO.: RFP 011 Pump Out Connections

PREPARED BY: Steve Davis

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
						\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
						\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
OTHER															
STG - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax: Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)	222	MHR				\$ -							\$ 5.00	\$ 1,107.50	\$ 1,107.50
										\$688.63				\$107.98	\$ 796.61
TAX: (9.75% of Material, Equipment, Other)										\$ 7,751.47				\$ 1,215.48	\$ 31,991.99
BOND (2% of total)				400		\$ 10,763.10		\$ 9,741.94		\$ 2,520.00				\$ 15,000.00	\$ 4,546.80
SUBTOTALS						\$12,377.57		\$11,203.23		\$8,914.19		\$2,646.00		\$1,397.80	\$36,538.79
MARKUP %															
SUBTOTALS WITH MARKUPS APPLIED															\$36,539.00
BOND															
TOTAL															



**SOUTHEAST REGION TREATMENT
PLANT DIVISION**

- ALABAMA - FLORIDA - GEORGIA - KENTUCKY - NORTH CAROLINA - SOUTH CAROLINA - TENNESSEE -

6525 US HWY 301 NORTH
TAMPA, FL. 33610
OFFICE: 813.621.1971
FAX: 813.621.3280

Owner City of Franklin, Tennessee
Contractor Kiewit Water Facilities South
Ref RFP 11

SEQ	Qty	Description	Lead Time	Unit Price	Total Price
10		<u>ALL ITEMS QUOTED ARE AIS COMPLIANT</u>			
20			4-5 Weeks	\$ 1,088.09	\$ 2,176.18
30	2	8x6" SB622 MJ TAPPLING SLEEVE	1 Week	\$ 892.35	\$ 1,784.70
40	2	6"x19'-6" DI CL53 FLG x PEMJ CL/PR		\$ 40.43	\$ 80.86
50	2	6" EBAA MJ MEGALUG		\$ 95.00	\$ 380.00
60	4	6" FLG KIT (A307, FF RR GASKET)		\$ 92.70	\$ 185.40
70	2	6x2" DI C110 TAPT BLD FLG, T1/CL			\$ 4,607.14
80		TOTAL			
90		<u>OPTIONAL LENGTHS</u>		\$ 688.12	\$ -
100		6"x14'-0" DI CL53 FLG x PEMJ CL/PR		\$ 448.55	\$ -
110		6"x8'-0" DI CL53 FLG x PEMJ CL/PR			
120					
130					

QTY	UN	SIZE	MATERIAL	FITTING	DESCRIPTION	UNIT PR	SELL
2	EA	2"	STNL STEEL	QUICK COUPLER	FEMALE IRON PIPE THREAD X MALE QUICK COUPLER LOCKABLE TYPE 316 STAINLESS STEEL SPEC 15120-2.13	164.23	328.46
2	EA	2"	STNL STEEL	CAP & CHAIN	FOR MALE QUICK COUPLER LOCKABLE TYPE 316 STAINLESS STEEL PER DETAIL A SHEET MD-9	100.51	201.03

QTY	UNIT	SIZE	MATERIAL	LENGTH	JOINT	FITTING	DESCRIPTION	UNIT PR	SELL
2	EA	2"	STNL STEEL	0'-6"	THREAD	NIPPLE	SCHEDULE 40S TYPE 316L	13.65	27.31

\$ 556.80

\$ 556.80

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Job No.: 103925

Seller Name: imi Tennessee LLC
Material Contract No.: 103925-MC-06
Contract ID No. _____

**Attachment A
Scope of Work**

Schedule of Values

Item	Description	Quantity	Unit of Measure	Unit Price	Total
1	E2 - 4,500 psi (after March 1st, 2020) subject to 3% discount as stated in Item 2.8 below	3,250	CY	\$ 127.50	\$ 414,375.00
	Total Contract Price (without tax)				\$ 414,375.00

1.0 General Description of the "Work": Seller shall provide all supervision, labor, material, tools and equipment to furnish and deliver all cast-in-place concrete material in accordance with the Contract Documents, and the following,

- .1 FURNISH SECTIONS: Specification Section 03300 – Cast-In-Place Concrete and Section 03600 – Grout.
Also includes in addition to the above, any other applicable and/or related specification sections, including but not limited to: Division 00, Division 1 General Requirements and other any applicable sections.
- .2 Quantities are approximate and may increase or decrease at Contractor's option. Seller shall be paid for actual quantities received and installed. Seller shall furnish all required certifications and submittals as defined in the specifications at no additional cost to Contractor.
- .3 Contractor shall not pay for material delivered on site that does not meet requirements stated in Specification Section 03300 – Cast-In-Place Concrete and Section 03600 – Grout.

2.0 Including But Not Limited to:

- .1 The unit prices in the Schedule of Values are firm through February 28, 2021, and shall increase \$9.00 per cubic yard annually thereafter. Quantities may increase or decrease at Contractor's option. Seller shall be paid only for actual quantities received and verified by Contractor.

HME, INC.

HAAS METAL ENGINEERING

2828 NW Button Road
Topeka, KS 66618
Phone: 785-235-1524



Change Order Request

Owner: Kiewit Infrastructure South Co.
4405 International Blvd., NW, Suite C-101
Norcross, GA 30093

Project: 18.097 / FRANKLIN WRF
135 CLAUDE YATES DR.
FRANKLIN, TN 37064

COR# 8: ADDED PIPE BOLLARDS

ADDITIONAL 6" DIA. SCHEDULE 40 x 8'-4" LONG WITH ZINC PRIMER. DETAILING, FABRICATION AND DELIVERY INCLUDED IN THE PRICE.

~~\$2,210.00~~

8 EA

1: ADDED PIPE BOLLARDS

TOTAL, THIS CHANGE ORDER REQUEST

~~\$2,210.00~~

8 EA

\$ 442.00 / EA

\$ 3,536.00

Approved By: Kiewit Infrastructure South Co.

Signed: _____

Date: _____

Submitted By: HME, Inc.

Signed: _____

Date: _____



Nashville
840 Fesslers Parkway
Nashville TN 37210
Tel : (615)256-9890
Fax: (615)256-9948

Page 1 of 1
06/02/2020 15:56

Quotation

Bill-To-Party : 119957 KIEWIT CORPORATION 1000 KIEWIT PLAZA OMAHA NE 68131	Information Quotation Number 20760201 Quotation Created Date 06/02/2020 Customer Number 119957 Inside Salesman Jeff Ervin Outside Salesman Dave Brown Validity Start Date 06/02/2020 Validity End Date 07/02/2020																																																						
Ship-To-Party : 5330737 KIEWIT WWTP 135 CLAUDE YATES DRIVE FRANKLIN TN 37064																																																							
Notes from the Customer:																																																							
<table border="1"><thead><tr><th>Item</th><th>Material</th><th>Quantity</th><th>Price Per</th><th>Unit</th><th>Amount</th></tr></thead><tbody><tr><td>10</td><td>TRAFFIC CONTROL 6IN X 56IN SMOOTH BOLLARD SLEEVE</td><td>8 EA</td><td>62.00 \$</td><td>1 EA</td><td>310.00</td></tr><tr><td colspan="5"></td><td>310.00</td></tr><tr><td colspan="5"></td><td>28.68</td></tr><tr><td colspan="5"></td><td>0.00</td></tr><tr><td colspan="5">Items total:</td><td>\$ 338.68</td></tr><tr><td colspan="5">Sales Tax:</td><td></td></tr><tr><td colspan="5">Sales Coupon:</td><td></td></tr><tr><td colspan="5">Total Amount:</td><td></td></tr></tbody></table>		Item	Material	Quantity	Price Per	Unit	Amount	10	TRAFFIC CONTROL 6IN X 56IN SMOOTH BOLLARD SLEEVE	8 EA	62.00 \$	1 EA	310.00						310.00						28.68						0.00	Items total:					\$ 338.68	Sales Tax:						Sales Coupon:						Total Amount:					
Item	Material	Quantity	Price Per	Unit	Amount																																																		
10	TRAFFIC CONTROL 6IN X 56IN SMOOTH BOLLARD SLEEVE	8 EA	62.00 \$	1 EA	310.00																																																		
					310.00																																																		
					28.68																																																		
					0.00																																																		
Items total:					\$ 338.68																																																		
Sales Tax:																																																							
Sales Coupon:																																																							
Total Amount:																																																							

\$496.00

Signature _____ Date _____

Rental Rate Blue Book®

Caterpillar 335F L CR

Crawler Mounted Hydraulic Excavators



Size Class:
40.1 - 50.0 MTons
Weight:
N/A

Configuration for 335F L CR

Bucket Capacity - Heaped	2.2 cu yd	Net Horsepower	199.8 hp
Operating Weight	84604.6 lbs	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$16,435.00	USD \$4,600.00	USD \$1,150.00	USD \$175.00	USD \$74.08	USD \$167.46
Adjustments						
Region (Franklin, Tennessee: 107.8%)	USD \$1,281.93	USD \$358.80	USD \$89.70	USD \$13.65		
Model Year (2020: 100%)						
Adjusted Hourly Ownership Cost (100%)						
Hourly Operating Cost (100%)					USD \$74.08	USD \$174.74
Total:	USD \$17,716.93	USD \$4,958.80	USD \$1,239.70	USD \$188.65		

Non-Active Use Rates

Standby Rate
Idling Rate

Hourly
USD \$53.35
USD \$126.34

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	37%	USD \$6,080.95/mo
Overhaul (ownership)	46%	USD \$7,560.10/mo
CFC (ownership)	10%	USD \$1,643.50/mo
Indirect (ownership)	6%	USD \$986.10/mo
Fuel (operating) @ USD 3.07	35%	USD \$25.68/hr

Revised Date: 1st half 2020

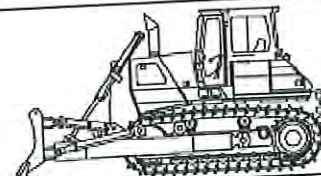
These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Caterpillar D5K2
Standard Crawler Dozers

Size Class:
85 - 104 HP
Weight:
N/A



Configuration for D5K2

Dozer Type
Operator Protection

Semi-U
ROPS/FOPS

Horsepower
Power Mode

104 hp
Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$8,085.00	USD \$2,265.00	USD \$565.00	USD \$85.00	USD \$37.41	USD \$83.35
Adjustments						
Region (Franklin, Tennessee: 106.7%)	USD \$541.70	USD \$151.76	USD \$37.85	USD \$5.70		
Model Year (2015: 99.6%)	(USD \$34.51)	(USD \$9.67)	(USD \$2.41)	(USD \$0.36)		
Adjusted Hourly Ownership Cost (100%)						
Hourly Operating Cost (100%)					USD \$37.41	USD \$86.23
Total:	USD \$8,592.19	USD \$2,407.09	USD \$600.44	USD \$90.33		

Non-Active Use Rates

Standby Rate
Idling Rate

Hourly

USD \$22.46
USD \$59.85

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	35%	USD \$2,829.75/mo
Overhaul (ownership)	54%	USD \$4,365.90/mo
CFC (ownership)	3%	USD \$242.55/mo
Indirect (ownership)	8%	USD \$646.80/mo
Fuel (operating) @ USD 2.53	29%	USD \$11.03/hr

Revised Date: 1st half 2021

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(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Caterpillar 950M

4-Wd Articulated Wheel Loaders

Size Class:
225 - 249 HP
Weight:
N/A



Configuration for 950M

Bucket Capacity - Heaped
Operator Protection

12.0 cu yd
ROPS/FOPS

Net Horsepower
Power Mode

230.0 hp
Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$8,485.00	USD \$2,375.00	USD \$595.00	USD \$89.00	USD \$44.81	USD \$93.02
Adjustments				USD \$5.96		
Region (Franklin, Tennessee: 106.7%)	USD \$568.49	USD \$159.13	USD \$39.87	-		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)				USD \$94.96	USD \$44.81	USD \$98.25
Total:	USD \$9,053.50	USD \$2,534.13	USD \$634.86			

Non-Active Use Rates

Standby Rate
Idling Rate

Hourly
USD \$32.41
USD \$74.10

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	41%	USD \$3,478.85/mo
Overhaul (ownership)	37%	USD \$3,139.45/mo
CFC (ownership)	12%	USD \$1,018.20/mo
Indirect (ownership)	10%	USD \$848.50/mo
Fuel (operating) @ USD 3.07	51%	USD \$22.66/hr

Revised Date: 1st half 2020

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(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Caterpillar CS56B

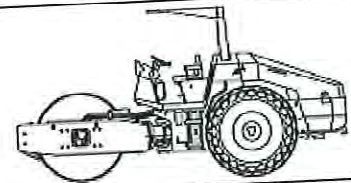
Single Drum Vibratory Compactors

Size Class:

8.0 - 11.9 MTons

Weight:

N/A



Configuration for CS56B

Drum Type	Smooth	Drum Width	84.0 in
Net Horsepower	143.0 hp	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$6,235.00	USD \$1,745.00	USD \$435.00	USD \$65.00	USD \$37.27	USD \$72.70
Adjustments						
Region (Franklin, Tennessee: 106.8%)	USD \$423.98	USD \$118.66	USD \$29.58	USD \$4.42		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$37.27	USD \$75.11
Total:	USD \$6,658.98	USD \$1,863.66	USD \$464.58	USD \$69.42		

Non-Active Use Rates

Standby Rate
Idling Rate

Hourly
USD \$27.62
USD \$49.22

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	49%	USD \$3,055.15/mo
Overhaul (ownership)	26%	USD \$1,621.10/mo
CFC (ownership)	13%	USD \$810.55/mo
Indirect (ownership)	11%	USD \$685.85/mo
Fuel (operating) @ USD 3.07	31%	USD \$11.38/hr

Revised Date: 1st half 2020

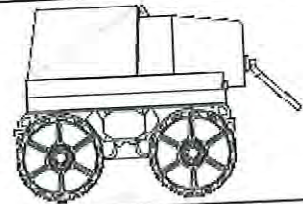
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(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Rammax P33/24FCR Trench Compactors

Size Class:
26 - 34 Inches
Weight:
3109 lbs



Configuration for P33/24FCR

Drum Width **24.0 in**
Number Of Drums **4.0**

Net Horsepower
Power Mode

14.5 hp
Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly USD \$10.17	Hourly USD \$28.92
Published Rates	USD \$3,300.00	USD \$925.00	USD \$230.00	USD \$35.00		
Adjustments						
Region (Franklin, Tennessee: 106.0%)	USD \$224.40	USD \$62.90	USD \$15.64	USD \$2.38		
Model Year (2020: 100%)	-					
Adjusted Hourly Ownership Cost (100%)	-					
Hourly Operating Cost (100%)					USD \$10.17	USD \$30.19
Total:	USD \$3,524.40	USD \$987.90	USD \$245.64	USD \$37.38		

Non-Active Use Rates

Standby Rate
Idling Rate

Hourly
USD \$9.21
USD \$21.83

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	32%	USD \$1,056.00/mo
Overhaul (ownership)	54%	USD \$1,782.00/mo
CFC (ownership)	7%	USD \$231.00/mo
Indirect (ownership)	7%	USD \$231.00/mo
Fuel (operating) @ USD 3.07	18%	USD \$1.81/hr

Revised Date: 1st half 2020

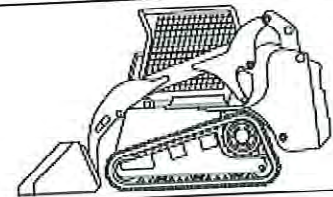
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(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Caterpillar 289D Compact Track Loaders

Size Class:
2501 - 2850 lbs
Weight:
N/A



Configuration for 289D

Net Horsepower	73.0 hp	Oper. Cap. (35% Of Tip Load)	2660.0 lbs
Operator Protection	ROPS	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$5,030.00	USD \$1,410.00	USD \$355.00	USD \$53.00	USD \$18.93	USD \$47.51
Adjustments						
Region (Franklin, Tennessee: 106.7%)	USD \$337.01	USD \$94.47	USD \$23.78	USD \$3.55		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$18.93	USD \$49.42
Total:	USD \$5,367.01	USD \$1,504.47	USD \$378.79	USD \$56.55		

Non-Active Use Rates

Standby Rate
Idling Rate

Hourly
USD \$15.25
USD \$38.76

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	34%	USD \$1,710.20/mo
Overhaul (ownership)	50%	USD \$2,515.00/mo
CFC (ownership)	7%	USD \$352.10/mo
Indirect (ownership)	9%	USD \$452.70/mo
Fuel (operating) @ USD 3.07	44%	USD \$8.27/hr

Revised Date: 1st half 2020

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The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@klewit.com)

Schedule of Values

Item	Description	Approx. Quantity	Unit of Measure	Unit Price	Total
1	Tri-Axle Dump Trucks	3,485	HR	\$ 90.00	\$ 313,650.00
				\$ -	\$ -
	<i>Approximate Agreement Total (including Taxes)</i>				\$ 313,650.00



Kiewit

CP No. 15 accepted as modified
by CDM Smith correspondence
dated 4/14/20 att. hereto

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

April 7, 2020

CP-KIEWIT-00013.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: Vertical Turbine Pumps - Coatings Change Proposal

Dear Mr. Harris,

As a result of Pentair – Fairbanks Nijhuis failing to follow instructions given on RFI-173 and incorrectly coating the submerged portions of the vertical turbine pumps, Pentair has offered to provide a 5 year warranty as described in the attached warranty document as well as a credit of Fifteen Thousand Dollars (\$15,000.00).

This proposal is to allow the TNEMEC Series N140 Pota-Pox Plus coating on the submerged portions of the vertical turbine pumps to remain.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher



FAIRBANKS NIJHUIS™

3601 Fairbanks Avenue
Kansas City, KS 66106
PH: 913-371-5000

WARRANTY

Presented To: Kiewit Water Facilities South

Project Name: Franklin WRF

Fairbanks Nijhuis Project #: 0605249

Seller warrants equipment (and its component parts) of its own manufacture against defects in materials and workmanship under normal use and service for one (1) year from the date of Partial Substantial Completion of the individual process, or for eighteen (18) months after the date of shipment, whichever occurs first. Seller does not warrant accessories or components that are not manufactured by Seller; however, to the extent possible, Seller agrees to assign to Buyer its rights under the original manufacturer's warranty, without recourse to Seller.

Seller offers an extended warranty on the pumping units for coating failure on the wetted and submerged surfaces for a period of 5 years beginning May 4, 2020. This warranty extension is limited to improper application at the factory or failure of the coating system due to this effluent pumping application as clarified in the applicable specifications. Any paint related claims within the five-year period must be identified to Fairbanks Nijhuis-Field Service and inspected by a level III NACE coating inspector, hired by Seller, who must issue a detailed coating inspection report to Seller for review prior to commencement of any work. Coating failure can only be identified by the contracted NACE III inspector. With acceptance of a claim, the unit(s) must be returned to Seller's Pump Service Group or authorized repair center where Seller reserves the right to repair or replace any component that is deemed to have coating failure by the NACE III inspector.

THIS WARRANTY IS THE SOLE WARRANTY OF SELLER AND SELLER HEREBY EXPRESSLY DISCLAIMS AND BUYER WAIVES ALL OTHER WARRANTIES EXPRESSED, IMPLIED IN LAW OR IMPLIED IN FACT, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Seller's sole obligation under this warranty shall be, at its option, to repair or replace any equipment (or its component parts) which has a defect covered by this warranty, or to refund the purchase price of such equipment or part. Under the terms of this warranty or otherwise, Seller shall not be liable for: (a) incidental, consequential, collateral, special or liquidated losses or damages; (b) equipment conditions caused by normal wear and tear, abnormal conditions of use, accident, neglect, or misuse of said equipment; (c) the expense of, and loss or damage caused by, repairs or alterations made by anyone other than Seller; (d) damage caused by abrasive materials, chemicals, scale deposits, corrosion, lightning, improper voltage, mishandling, or other similar conditions; (e) any loss, damage or expense relating to or resulting from installation, removal or reinstallation of equipment; (f) any labor costs or charges incurred in repairing or replacing defective equipment or parts, including the cost of reinstalling parts that are repaired or replaced by Seller; or (g) any other loss, damage, or expense of any nature.

Buyer will pay installation, removal and reinstallation of the equipment and provide clear access to the equipment for any work by Seller. Seller will pay reasonable cartage charges for shop repair of equipment that has failed for warrantable causes and pay the cost to re-commission the equipment. Any charges shall be mutually negotiated and agreed to prior to expenditure.

Dennis Milsom
Director of Operations, Kansas City Facility



FAIRBANKS NIJHUIS™

3601 Fairbanks Avenue
Kansas City, KS 66106
PH: 913-371-5000

March 19, 2020

Kiewit Infrastructure South Co.
135 Claude Yates Drive
Franklin, TN 37064

Attn: Stephen Reid

Ref: Franklin WRF Modifications and Expansion Project
Specification Sections: 11211, 11214, 11312
FN Project Number(s): 0605249

RE: Proposed solution for paint acceptance

Dear Stephen:

We have reviewed the request for an extended warranty as it relates to our supplied coating system and offer our feedback for your review and consideration.

We are confident that the coating system supplied and submitted on, will offer the service life expected from a Fairbanks Nijhuis Product. In an effort to show our continued support for this project, our product, and to enhance the owners experience with Fairbanks Nijhuis; we offer to extend the warranty on our pumping units for coating failure on the wetted and submerged surfaces for a period of 5 years beginning May 4, 2020. In addition, we offer a \$15,000.00 credit to the order per acceptance of the vertical turbine pumps with its current paint system.

This warranty offer is limited to improper application at the factory or failure of the coating system due to this effluent (pumped media flows to river) pumping application. Any claims within the five-year period must be identified to Fairbanks Nijhuis-field service prior to commencement of any work. Any paint related claims must be inspected by a level III NACE coating inspector who must issue a detailed coating inspection report to the Fairbanks Nijhuis for review. Coating failure can only be identified by the contracted NACE III inspector.

With acceptance of a claim, the unit(s) must be returned to our pump service group or authorized repair center where Fairbanks Nijhuis reserves the right to repair or replace any component that is deemed to have coating failure by the NACE III inspector.

Seller will pay reasonable cartage charges for shop repair of equipment that has failed for warrantable causes and pay the cost to re-commission the equipment if such charges are mutually negotiated and agreed to prior to expenditure.

Should you have any further questions, please do not hesitate to contact me at (913) 748-4281 or via email at andy.strydom@pentair.com.

Kind Regards,

A handwritten signature in black ink, appearing to read 'A. Strydom', with a stylized flourish extending to the right.

Andy Strydom

Project Manager
Pentair Flow Technologies

cc: Pentair: Paul Jezuit, Edward Ernst, Christina Mcpeek
Kiewit: Peter Sestak, Taylor Flippen, Laura Hernandez, Michael Hallworth

Stephen.Reid

From: Harris, Daniel A. <HarrisDA@cdmsmith.com>
Sent: Friday, March 20, 2020 5:42 PM
To: Stephen.Reid
Cc: Keith.Buchholtz; Steven.Davis1; Laura.Hernandez; Peter.Sestak
Subject: [EXTERNAL] RE: Pentair VTP Coating Proposal

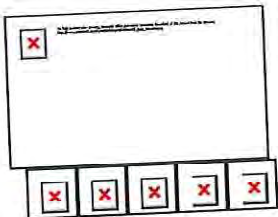
Steve,

This proposal will be acceptable to the City with the following revisions;

- Subject line, strike Specification Sections 11211 and 11312, this will be applicable to the vertical turbine pumps only (11214).
- Third paragraph, first sentence, strike (pumped media flows to river)

Let me know of any questions. Thanks,

Daniel A. Harris, PMP, CCM, LEED GA
Project Manager
CDM Smith
210 25th Ave North, Suite 1102, Nashville, TN 37203
D 703.691.6488 C 703.638.8696
Connect with me on LinkedIn
cdmsmith.com



From: Stephen.Reid <Stephen.Reid@kiewit.com>
Sent: Thursday, March 19, 2020 4:19 PM
To: Harris, Daniel A. <HarrisDA@cdmsmith.com>
Cc: Keith.Buchholtz <Keith.Buchholtz@westernsummit.com>; Steven.Davis1 <Steven.Davis1@kiewit.com>; Laura.Hernandez <Laura.Hernandez@kiewit.com>; Peter.Sestak <Peter.Sestak@Kiewit.com>
Subject: Pentair VTP Coating Proposal

Hi Dan,

See attached for Pentair's proposal for accepting the current coating system on the vertical turbine pumps. Please review with the COF and let us know how to proceed.

Thanks,



Stephen Reid
Process Mechanical Submittal Engineer

KIEWIT WATER FACILITIES SOUTH CO.

Franklin WRF Project
135 Claude Yates Drive
Franklin, TN, 37064
C: 647-454-2610
stephen.reid@kiewit.com

From: Strydom, Andy <Andy.Strydom@Pentair.com>
Sent: Thursday, March 19, 2020 6:34 PM
To: Stephen.Reid <Stephen.Reid@kiewit.com>
Cc: Laura.Hernandez <Laura.Hernandez@kiewit.com>; Peter.Sestak <Peter.Sestak@Kiewit.com>; Taylor.Flippen <Taylor.Flippen@kiewit.com>; Michael.Hallworth <Michael.Hallworth@kiewit.com>; Keith.Buchholtz <Keith.Buchholtz@westernsummit.com>; Steven.Davis1 <Steven.Davis1@kiewit.com>; Kyle.Krajco <Kyle.Krajco@kiewit.com>; Christopher.Tennyson <Chris.Tennyson@westernsummit.com>; Ernst, Edward <Edward.Ernst@Pentair.com>; Jezuit, Paul <Paul.Jezuit@PENTAIR.COM>; McPeck, Christina <Christina.McPeck@PENTAIR.COM>; Guffee, Ed <ed.guffee@pentair.com>
Subject: [EXTERNAL] RE: Coating comparison for submerged wastewater service (0605249)

Stephen,

Please see attached for our revised proposal for acceptance of the current paint. Please let me know how CDM Smith and the End User decides to proceed.

Kind Regards,

Andries "Andy" Strydom
Project Manager

Pentair
3601 Fairbanks Avenue
Kansas City, KS 66106, USA
Office: +1 (913) 748-4281 (Direct)
Office: +1 (913) 371-5000 (Main)
Fax: +1 (913) 748-4025
andy.strydom@pentair.com

Website: www.pentair.com

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out more [Click Here](#).



Parkview Towers
210 25th Avenue North, Suite 1102
Nashville, Tennessee 37203
tel: 615-771-2466
fax: 615-778-9733

April 14, 2020

Mr. Steve Davis
Kiewit Infrastructure South Co.
4405 International Blvd NW, Suite C-101
Norcross, GA 30093

Subject: Franklin WRF Expansion Project
Vertical Turbine Pumps – Coatings Change Proposal (CP 15)

Dear Mr. Davis;

We have reviewed your April 7, 2020 proposal with attachments from Pentair Fairbanks Nijhaus and respond with the following comments;

1. In the WARRANTY document, delete the title "WARRANTY" and replace with "SUPPLEMENTAL COATINGS WARRANTY".
2. In the retitled WARRANTY document, delete the first paragraph in its entirety.
3. In the retitled WARRANTY document, second paragraph, after the word "Seller", add the word "Pentair".
4. In the retitled WARRANTY document, second paragraph, first sentence, delete the words "May 4, 2020", replace with "on the date of Partial Substantial Completion.
5. In the retitled WARRANTY document, second paragraph, third sentence, after the word "inspector", add "who is not a direct employee of Seller and who is approved by Owner (City of Franklin)".
6. In the retitled WARRANTY document, third paragraph, strike the first sentence entirely.
7. In the retitled WARRANTY document, third paragraph, second sentence, strike the word "defect", replace with "coating failure".
8. In the retitled WARRANTY document, third paragraph, third sentence, subpart (b), strike the words "normal wear and tear,".





Coatings Credit Proposal
April 14, 2020
Page 2

9. In the retitled WARRANTY document, third paragraph, third sentence, subpart (d), after the word "chemical" add the words "except those normally present in the water at this point in the treatment process".
10. In the retitled WARRANTY document, third paragraph, subpart (e), after the word "any", add the word "secondary".
11. In the retitled WARRANTY document, third paragraph, strike subpart (f) in its entirety.

Please contact me with any questions or concerns.

Sincerely,

A handwritten signature in blue ink, appearing to read "D. Harris".

Daniel A. Harris, PMP, CCM, LEED GA
Project Manager
CDM Smith

cc: Michelle Hatcher, City of Franklin
Brian Goodwin, City of Franklin
File 231666.05.02.10

Stephen.Reid

From: Harris, Daniel A. <HarrisDA@cdmsmith.com>
Sent: Friday, March 20, 2020 5:42 PM
To: Stephen.Reid
Cc: Keith.Buchholtz; Steven.Davis1; Laura.Hernandez; Peter.Sestak
Subject: [EXTERNAL] RE: Pentair VTP Coating Proposal

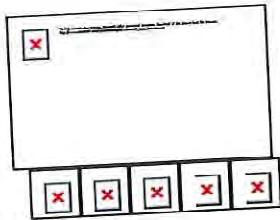
Steve,

This proposal will be acceptable to the City with the following revisions;

- Subject line, strike Specification Sections 11211 and 11312, this will be applicable to the vertical turbine pumps only (11214).
- Third paragraph, first sentence, strike (pumped media flows to river)

Let me know of any questions. Thanks,

Daniel A. Harris, PMP, CCM, LEED GA
Project Manager
CDM Smith
210 25th Ave North, Suite 1102, Nashville, TN 37203
D 703.691.6488 C 703.638.8696
Connect with me on LinkedIn
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From: Stephen.Reid <Stephen.Reid@kiewit.com>
Sent: Thursday, March 19, 2020 4:19 PM
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Subject: Pentair VTP Coating Proposal

Hi Dan,

See attached for Pentair's proposal for accepting the current coating system on the vertical turbine pumps. Please review with the COF and let us know how to proceed.

Thanks,



Stephen Reid
Process Mechanical Submittal Engineer

KIEWIT WATER FACILITIES SOUTH CO.

Franklin WRF Project
135 Claude Yates Drive
Franklin, TN, 37064
C: 647-454-2610
stephen.reid@kiewit.com

From: Strydom, Andy <Andy.Strydom@Pentair.com>

Sent: Thursday, March 19, 2020 6:34 PM

To: Stephen.Reid <Stephen.Reid@kiewit.com>

Cc: Laura.Hernandez <Laura.Hernandez@kiewit.com>; Peter.Sestak <Peter.Sestak@Kiewit.com>; Taylor.Flippen <Taylor.Flippen@kiewit.com>; Michael.Hallworth <Michael.Hallworth@kiewit.com>; Keith.Buchholtz <Keith.Buchholtz@westernsummit.com>; Steven.Davis1 <Steven.Davis1@kiewit.com>; Kyle.Krajco <Kyle.Krajco@kiewit.com>; Christopher.Tennyson <Chris.Tennyson@westernsummit.com>; Ernst, Edward <Edward.Ernst@Pentair.com>; Jezuit, Paul <Paul.Jezuit@PENTAIR.COM>; McPeek, Christina <Christina.McPeek@PENTAIR.COM>; Guffee, Ed <ed.guffee@pentair.com>

Subject: [EXTERNAL] RE: Coating comparison for submerged wastewater service (0605249)

Stephen,

Please see attached for our revised proposal for acceptance of the current paint. Please let me know how CDM Smith and the End User decides to proceed.

Kind Regards,

Andries "Andy" Strydom
Project Manager

Pentair

3601 Fairbanks Avenue
Kansas City, KS 66106, USA
Office: +1 (913) 748-4281 (Direct)
Office: +1 (913) 371-5000 (Main)
Fax: +1 (913) 748-4025
andy.strydom@pentair.com

Website: www.pentair.com

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out more [Click Here](#).



CP 22

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

June 1, 2020

CP-KIEWIT-00021.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: Potholing Near 54" T&M

Dear Mr. Harris,

Kiewit is hereby submitting a cost proposal for **Potholing Near 54" T&M** in the amount of **Twelve Thousand Five Hundred Sixty Six Dollars (\$12,566.00)**.

This proposal includes the extra work required to expose an unmarked 24" DIP line in conflict with the 54" RWW line. The crew spent time and materials exposing the line and removing debris with the assistance of Tennessee HydroVac, Kiewit's potholing subcontractor.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,


Steve Davis
Project Manager

cc: File
Michelle Hatcher

PREPARED BY: Kian Lawlor

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost			
Time and Material																	
3/12/2020																	
Labor																	
Foreman (Overtime)	1.00	Ea	2.00	2	\$ 83.00	\$ 166.00											\$ 166.00
Pipefitter	1.00	Ea	4.00	4	\$ 48.57	\$ 194.28											\$ 194.28
Operator	1.00	Ea	2.00	2	\$ 39.86	\$ 79.72											\$ 79.72
Laborer	1.00	Ea	2.00	2	\$ 36.13	\$ 72.26											\$ 72.26
Survey (As-Built)	1.00	Hr	1.00	1	\$ 46.08	\$ 46.08											\$ 46.08
Equipment																	
349 Excavator (Bucket/Hammer)	1.00	Ea	2.00	2.00							\$ 245.20	\$ 490.40					\$ 490.40
F-250 Pickup (Foreman)	1.00	Ea	2.00	2.00							\$ 30.28	\$ 60.56					\$ 60.56
Kubota	1.00	Ea	1.00	1.00							\$ 15.14	\$ 15.14					\$ 15.14
3/13/2020																	
Labor																	
Foreman (Overtime)	1.00	Ea	11.00	11	\$ 83.00	\$ 913.00											\$ 913.00
Pipefitter	1.00	Ea	2.00	2	\$ 48.57	\$ 97.14											\$ 97.14
Pipefitter (Overtime)	1.00	Ea	18.00	18	\$ 67.24	\$ 1,210.32											\$ 1,210.32
Survey (As-Built)	1.00	Hr	1.00	1	\$ 46.08	\$ 46.08											\$ 46.08
Equipment																	
349 Excavator (Bucket/Hammer)	1.00	Ea	4.00	4.00							\$ 245.20	\$ 980.80					\$ 980.80
F-250 Pickup (Foreman)	1.00	Ea	4.00	4.00							\$ 245.20	\$ 980.80					\$ 980.80
Kubota	1.00	Ea	1.00	1.00							\$ 122.60	\$ 122.60					\$ 122.60
Subcontract																	
Tennessee Hydrovac	1.00	LS	5.00	5									\$ 230.00	\$ 1,307.50			\$ 1,307.50
Crew (2 Spotters)	2.00	Ea	5.00	10	\$ 361.30	\$ 3,613.00											\$ 3,613.00
Load	5.00	Load											\$ 100.00	\$ 500.00			\$ 500.00
Disposal	5.00	Load											\$ 90.00	\$ 450.00			\$ 450.00
Trucking (Ex to Waste)																	
3/14/2020																	
Labor																	
Foreman (Overtime)	1.00	Ea	4.00	4	\$ 83.00	\$ 332.00											\$ 332.00
Pipefitter (Overtime)	1.00	Ea	5.50	6	\$ 67.24	\$ 399.82											\$ 399.82
Survey (As-Built)	1.00	Hr	1.00	1	\$ 46.08	\$ 46.08											\$ 46.08
Equipment																	
349 Excavator (Bucket/Hammer)	1.00	Ea	4.00	4.00							\$ 245.20	\$ 980.80					\$ 980.80
F-250 Pickup (Foreman)	1.00	Ea	4.00	4.00							\$ 30.28	\$ 121.12					\$ 121.12
Kubota	1.00	Ea	1.00	1.00							\$ 15.14	\$ 15.14					\$ 15.14
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																	



Kiewit

DATE: 05-27-20

PCO NO.: PotHolding Near 54" (Extra Work)

PREPARED BY: Kian Lawlor

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Stakes	20.00	Ea			\$ -	\$ -	\$ -	\$ -	\$ 2.89	\$ 57.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57.80
Rebar Caps	20.00	Ea			\$ -	\$ -	\$ -	\$ -	\$ 1.09	\$ 21.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21.80
					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TAX: (9.75% of Material, Equipment, Other)																	
BOND (2% of total)										\$36.56		\$367.32				\$34.24	\$ 438.12
SUBTOTALS				92		\$ 3,934.08		\$ -		\$ 411.56		\$ 4,134.68		\$ 2,257.50		\$ 385.44	\$ 11,123.26
MARKUP %						\$ 5.70%		\$ 3.03%		\$ 15,012.4		\$ 16,500.0		\$ 4,435.0		\$ 5,000.0	\$ 1,442.74
SUBTOTALS WITH MARKUPS APPLIED						\$4,524.19				\$473.30		\$4,754.88		\$2,370.38		\$443.26	\$12,566.00
BOND																	
TOTAL																	\$12,566.00

PCO Number _____

(Address)

☒ Day Shift
☐ Night Shift
☐ Material or Subcontractor
☐ Force Account Work
☐ Outside Work
☐ Equipment Lease or
☐ Vendor Invoice

Description of Work Done

Discovered 24" DIP that in conflict with 54" RWW Line. The 24" line is not on any as builts. Crew spent time exposing line

Labor Totals

Equipment Totals

Detail of Materials

BY

By

Signature, Title & Date

PCO Number _____

Cont. No. _____ (Address) _____

(Address)

☒ Day Shift
☐ Night Shift
☐ Material or Subcontractor
☐ Force Account Work
☐ Outside Work
☐ Equipment Lease or
☐ Vendor Invoice

Subcontractor: **Tennessee HydroVac**

Removed concrete and debris in line with the 24" pipe. Used Tennessee Hydro Vac to expose the whole line.

Labor Totals

Equipment Totals

Detail of Materials

Approved for Kiewit

By

By

Signature, Title & Date

Page 158 of 378

Rental Rate Blue Book®

Caterpillar 349F

Crawler Mounted Hydraulic Excavators

Size Class:

50.1 - 66.0 MTons

Weight:

N/A

Configuration for 349F

 Bucket Capacity - Heaped
Operating Weight

 4.2 cu yd
117500.0 lbs

 Net Horsepower
Power Mode

 417.0 hp
Diesel


Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$20,295.00	USD \$5,685.00	USD \$1,420.00	USD \$215.00	USD \$120.89	USD \$236.20
Adjustments						
Region (Franklin, Tennessee: 107.8%)	USD \$1,583.01	USD \$443.43	USD \$110.76	USD \$16.77		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$120.89	USD \$245.20
Total:	USD \$21,878.01	USD \$6,128.43	USD \$1,530.76	USD \$231.77		

Non-Active Use Rates

 Standby Rate
Idling Rate

 Hourly
USD \$65.88
USD \$180.45

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	37%	USD \$7,509.15/mo
Overhaul (ownership)	46%	USD \$9,335.70/mo
CFC (ownership)	10%	USD \$2,029.50/mo
Indirect (ownership)	6%	USD \$1,217.70/mo
Fuel (operating) @ USD 3.07	46%	USD \$56.14/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Ford F-250

On-Highway Light Duty Trucks

Size Class:

300 HP & Over

Weight:

N/A



Configuration for F-250

Axle Configuration **4.0 X 4.0**
Horsepower **385.0 hp**
Ton Rating **3.0 / 4.0**

Cab Type
Power Mode

Crew
Gasoline

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$1,035.00	USD \$290.00	USD \$73.00	USD \$11.00	USD \$23.93	USD \$29.81
Adjustments						
Region (Franklin, Tennessee: 108%)	USD \$82.80	USD \$23.20	USD \$5.84	USD \$0.88		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$23.93	USD \$30.28
Total:	USD \$1,117.80	USD \$313.20	USD \$78.84	USD \$11.88		

Non-Active Use Rates

Standby Rate

Idling Rate

Hourly
USD \$4.64
USD \$25.66

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	54%	USD \$558.90/mo
Overhaul (ownership)	27%	USD \$279.45/mo
CFG (ownership)	7%	USD \$72.45/mo
Indirect (ownership)	12%	USD \$124.20/mo
Fuel (operating) @ USD 2.51	81%	USD \$19.31/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

Schedule of Values (SOV)

Item	Description	Approx. Quantity	Unit of Measure	Unit Price	Total
1	Hydrovac Unit and Operator ST	57	HR	\$ 230.00	\$ 13,110.00
2	Hydrovac Unit and Operator OT	10	HR	\$ 265.00	\$ 2,650.00
3	Additional Labor if needed	0	HR	\$ 80.00	\$ -
4	Mobilization/Demobilization	0	HR	\$ -	\$ -
5	Disposal	0	Per Load	\$ 100.00	\$ -
6	Remote Pipe, if applicable	0	Per Foot	\$ 1.60	\$ -
7	Support Truck, if applicable	0	Per Day	\$ 95.00	\$ -
8	Overnight Stay, if needed	0	Per Day	\$ 120.00	\$ -
	Estimated Total			\$	\$ 15,760.00

Invoice

Tennessee Hydrovac Inc.
9081 Statesville Road
Watertown, TN 37184-3750

Date	Invoice #
3/18/2020	1436

Bill To
Kiewit 4405 International BLVD NW Suite C-101 Norcross, GA 30093

P.O. No.	Terms	Location
103295	Net 30	Claude Yates

Description	Quantity	Rate	Amount
3/11/20 Hydro Excavation Potholing and Locates	8	230.00	1,840.00
3/11/20 Hydro Excavation Overtime	2	265.00	530.00
Unit# 433 / Operator: Nicholas Taliaferro	8	230.00	1,840.00
3/13/20 Hydro Excavation Potholes and Trenches	4.5	265.00	1,192.50
3/13/20 Hydro Excavation Overtime			
Unit# 585 / Operator: John Kaufman	8	230.00	1,840.00
3/16/20 Hydro Excavation	4	265.00	1,060.00
3/16/20 Hydro Excavation Overtime			
7am-12pm potholes			
12pm-5pm potholes pump station 1 dump	8	235.00	1,880.00
3/17/20 Hydro Excavation	4	265.00	1,060.00
3/17/20 Hydro Excavation Overtime			
6am-11:30am potholes pump station 1 dump			
11:30-6pm potholes pump station / 4 loads dumped			
Unit# 476			
Operator: John Kaufman			

Thank you for your business.

Total

\$11,242.50

Quotation

Bill-To-Party : 119957
KIEWIT CORPORATION
1000 KIEWIT PLAZA
OMAHA NE 68131

Information
Quotation Number 20757297
Quotation Created Date 05/27/2020

Customer Number 119957

Inside Salesman Jeff Ervin
Outside Salesman Dave Brown

Ship-To-Party : 5330737
KIEWIT WWTP
135 CLAUDE YATES DRIVE
FRANKLIN TN 37064

Validity Start Date 05/27/2020
Validity End Date 06/26/2020

Notes from the Customer:

Item	Material	Quantity	Price Per	Unit	Amount
10	LUM-3/4 CDX PLYWD 3/4" X 4' X 8' CDX PINE PLYWOOD	1 EA	29.54 \$	1 EA	29.54
20	DAY-49743 G-27 3/4 X 18 NAIL STAKES WITH HOLES	1 EA	28.90 \$	10 EA	2.89
30	DES-DISC 10 RED REBAR IMPALEMENT CAP #3 - #11 RED LOGO	1 EA	1.09 \$	1 EA	1.09
					33.52
Items total:					3.10
Sales Tax:					0.00
Sales Coupon:					
Total Amount:					\$ 36.62

Signature _____ Date _____



Kiewit

CP No. 27

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

July 7, 2020

CP-KIEWIT-00036.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: Reclaimed Pump Station Tie-In Exploratory Potholing

Dear Mr. Harris,

Kiewit is hereby submitting a cost proposal for **Reclaimed Pump Station Tie-In Exploratory Potholing T&M** in the amount of **Sixty-Eight Thousand Two Hundred Seventy-Five Dollars (\$68,275.00)**.

This proposal includes the extra work required to expose the reclaimed water 24" DIP, and all other elevation of pipe in the area to determine if the RWPS tie-in could take place prior to the chemical injection manhole. The crew spent time and materials exposing the line and removing debris with the assistance of Tennessee Hydro Vac, Kiewit's potholing subcontractor. Kiewit delivered an as-built CADD file of utilities in the area that led to the design issued in CCA45.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher



PREPARED BY: Corbin Coker

[illegible]

PREPARED BY: Corbin Coker

[illegible]

PREPARED BY: Corbin Coker

[illegible]



Infrastructure South Co.
 1100 Point Parkway, Suite 100
 Atlanta, GA 30022

PREPARED BY: Corbin Coker

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
submittal UG Utilities																	
mail tools, consumables, safety equip. (5% of labor, plus 9.75% sales tax)	300	M-HR				\$ 895.66											
3 = Total Direct Labor Subtotal * .05 * 1.0925						\$ -											
75% of Material, Equipment, Other										\$99.28							\$ 1,648.32
2% of total																	\$ -
TOTALS				300		\$ 14,608.96		\$ -		\$ 1,117.50		\$ 15,793.17		\$ 28,702.50		\$ 1,643.51	\$ 61,169.97
P %																	\$ 6,409.60
TOTALS WITH MARKUPS APPLIED						\$ 16,800.30				\$ 1,285.12		\$ 18,182.15		\$ 30,137.63		\$ 1,890.03	\$ 68,275.23
																	\$ 88,275.00

Kiewit Infrastructure South Co
Hourly Rates (Confidential)
2020 Breakdown of Craft Wage Burden Rates

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Project No: 103925

Wage Type	Burden %	Foreman		Dozer		Loader/Roller		Forklift/Crane		Excavator		Pipelayer		Laborer	
		Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages		\$ 40.00	\$ 60.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 24.00	\$ 36.00
PTO Burden		\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	8.76%	\$ 3.50	\$ 5.26	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.45	\$ 3.68	\$ 2.10	\$ 3.15
Retirement Burden		\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden		\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	3.73%	\$ 1.49	\$ 2.24	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.04	\$ 1.57	\$ 0.90	\$ 1.34
Additional Wages		\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subsistence		\$ 15.07	\$ 15.07	\$ 7.18	\$ 7.18	\$ 7.19	\$ 7.19	\$ 7.50	\$ 7.50	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18
Total		\$ 62.31	\$ 84.80	\$ 46.02	\$ 62.89	\$ 40.93	\$ 56.68	\$ 46.34	\$ 63.21	\$ 40.92	\$ 56.67	\$ 40.92	\$ 56.67	\$ 36.42	\$ 49.92

Wage Type	Burden %	Survey		Pipefitter (Building)		Pipefitter (Heavy)		Carpenter (Building)		Carpenter (Heavy)		Iron Worker (Building)		Iron Worker (Heavy)	
		Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages		\$ 33.00	\$ 49.50	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16	\$ 28.00	\$ 42.00	\$ 26.77	\$ 40.16	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16
PTO Burden		\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	8.76%	\$ 2.89	\$ 4.34	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52	\$ 2.45	\$ 3.68	\$ 2.35	\$ 3.52	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52
Retirement Burden		\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden		\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	3.73%	\$ 1.23	\$ 1.85	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50	\$ 1.04	\$ 1.57	\$ 1.00	\$ 1.50	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50
Additional Wages		\$ -	\$ -	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94	\$ -	\$ -	\$ 12.94	\$ 12.94	\$ 12.94	\$ 12.94	\$ 12.94	\$ 12.94
Subsistence		\$ 13.92	\$ 13.92	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25
Total		\$ 53.28	\$ 71.84	\$ 66.96	\$ 87.51	\$ 52.47	\$ 67.53	\$ 42.99	\$ 58.74	\$ 54.54	\$ 69.60	\$ 69.03	\$ 89.58	\$ 54.54	\$ 69.60

Wage Type	Burden %	Millwright	
		Straight	OT
Labor - Base Wages		\$ 26.77	\$ 40.16
PTO Burden		\$ 0.19	\$ 0.19
Tax Burden	8.76%	\$ 2.35	\$ 3.52
Retirement Burden		\$ 0.39	\$ 0.39
Health Burden		\$ 1.66	\$ 1.66
Insurance Burden	3.73%	\$ 1.00	\$ 1.50
Additional Wages		\$ 12.94	\$ 12.94
Subsistence		\$ 7.18	\$ 7.18
Total		\$ 52.47	\$ 67.53

Co. No. 1014 Job No. 103925 _____ (Issued By)
 Cont. No. _____ (Address)
 To: _____ (Issued to)
 _____ (Address)

☒ Day Shift
☐ Night Shift
☒ Material or Subcontractor
☐ Force Account Work
☐ Outside Work
☐ Equipment Lease or
☐ Vendor Invoice

General Contractor:	Project:	Location:	Contract No.:	Sheet No.:
Description of Work Done	Saw cut Asphalt, Strip Asphalt, Fine grade for Vac Truck			
	Hydro Vac for patching. Excavation to Waste for Vac truck, Marking Paint for Saw Cutting, fine grading and Hydro Vac lay out			
	HOURLY	DATE	TIME	HOURLY

Labor Totals	
Equipment No.	Hours
	5
Cat 315	1
Cat 950	0.25
Saw Cutter	5.5
Hydro Vac Truck	0.5
Dump truck	6hr
Pick up Truck + Generator	17.75
Equipment Totals	

By [Signature] 3.16
Signature, Title & Date

EXTRA WORK SHEET



Co. No. 1014 Job No. 103925 (Issued By) _____
 Cont. No. _____ (Address) _____
 To: _____ (Issued to) _____
 _____ (Address) _____

Date of Work 3.17

PCO Number _____

- ☒ Day Shift
- ☐ Night Shift
- ☒ Material or Subcontractor
- ☐ Force Account Work
- ☐ Outside Work
- ☐ Equipment Lease or
- ☐ Vendor Invoice

General Contractor: Kiewit Subcontractor: Tennessee Hydro

Description of Work Done
Loading Out Stripped Asphalt, Potholing
for utilities, Excavation to waste for hydro-vac
truck
Marking Paint for vac truck lay out

Employee No.	Detail of Labor (Including Foreman, Engineers, Superintendents, QA & QC)	Hours (Straight Time)	Hours (Overtime)	Hours (Double Time)
	Tam Thompson - Foreman	10		
	Jett Prine - Operator	4		
	Antonio Correa - Laborer / Spotter	4		
	Henry - Survey Party Chief	1		
Labor Totals		19		

Equipment No.	Detail of Equipment	Hours
	Cat 315	4
	Cat 950	4
	Hydro Vac Truck	12
	Dump Trucks	4
	Pick up truck	10
Equipment Totals		34

Detail of Materials	
Marking Paint - 2 cans	
80 cy Excavation to Waste	

Approval for Owner:
 By [Signature]
 Signature, Title & Date 3/18/20

Approved for Kiewit
 By [Signature] 3.17
 Signature, Title & Date

PCO Number _____

- ☐ Day Shift
- ☐ Night Shift
- ☐ Material or Subcontractor
- ☐ Force Account Work
- ☐ Outside Work
- ☐ Equipment Lease or
- ☐ Vendor Invoice

Description of Work Done

Potholing for Reclaimed
 Excavation to Waste for hydro Vac truck
 Marking Paint for lay out for hydro Vac truck

Approval for Owner

BV

BY

Signature, Title & Date

Page 173 of 378

Date of Work 3.20

PCO Number

☐ Day Shift
☐ Night Shift
☐ Material or Subcontractor
☐ Force Account Work
☐ Outside Work
☐ Equipment Lease or
☐ Vendor Invoice

General Contractor: Kiewit Subcontractor: Tennessee Hydro

Description of Work Done	Pathing Existing utilities for RWPS Tree in Excavation to waste for vac truck Marking Paint for layout Snow fence to safe up area 6' from leading edge

Approved for Kiewit
By [Signature] 3.20
Signature, Title & Date

- ☐ Day Shift
- ☐ Night Shift
- ☐ Material or Subcontractor
- ☐ Force Account Work
- ☐ Outside Work
- ☐ Equipment Lease or
- ☐ Vendor Invoice

Pot-holing of Existing utilities for
 RWPS Tree in Excavation to Waste from
 pothole truck, Marking paint for layout

Labor Totals

Equipment Totals

Marking Paint - 2
Excavation to waste - 30 cu

Signature, Title & Date

DATA WORK SHEET



Co. No. 1014 Job No. 103925 (Issued By) _____
 Cont. No. _____ (Address) _____
 To: _____ (Issued to) _____
 _____ (Address) _____

Date of Work 3.24.20

PCO Number _____

- ☐ Day Shift
☐ Night Shift
☐ Material or Subcontractor
☐ Force Account Work
☐ Outside Work
☐ Equipment Lease or
☐ Vendor Invoice

General Contractor: Kiewit Subcontractor: Tenn. Hydro

Description of Work Done Potholing Utilities and UG Pipe for RWPS Tie-in
Excavation to waste from vac truck
Marking point for layout for vac truck

Employee No.	Detail of Labor (Including Foreman, Engineers, Superintendents, QA & QC)	Hours (Straight Time)	Hours (Overtime)	Hours (Double Time)
	Jett Price - Operator / Laborer	8		
	Antonio Correa - Laborer / spotter	8		
	Ryan, Ryley - Survey	1		
Labor Totals				

Equipment No.	Detail of Equipment	Hours
	Hydro Vac Truck -	8
	Pick up Truck	5.5
	Cat - 950	3
	Cat - skid steer	1
Equipment Totals		

Detail of Materials	
Marking Paint - 2 cans	
Excavation to waste - 20cy	
Rental of steel plate on Rd to cover utilities	

Approval for Owner
 By [Signature]

Approved for Kiewit
 By [Signature] 3.24
 Signature, Title & Date



TRENCH SAFETY
BRANCH K49
1214 BRICK CHURCH PIKE
NASHVILLE TN 37207-5311
615-226-3116
615-226-7172 FAX



RENTAL QUOTE

182221502

Customer # : 3487702
Quote Date : 05/27/20
Estimated Out : 06/01/20 10:00 AM
Estimated In : 06/29/20 10:00 AM
UR Job Loc : 135 CLAUDE YATES DR,
UR Job # : 2
Customer Job ID :
P.O. # : TBD
Ordered By : TAWANDA CHARAMBIRA
Written By : JOSHUA BAKER
Salesperson : JOSHUA BAKER

FRANKLIN WRF MODIFICATIONS AND
135 CLAUDE YATES DR
FRANKLIN TN 37064-2085
Office: 402-346-8535 Cell: 214-738-0552

KIEWIT WATER FAC SOUTH CO
PO BOX 452500
OMAHA NE 68145-2500

This is not an invoice
Please do not pay from this document

RENTAL ITEMS:			Minimum	Day	Week	Month	Estimated Amt.
Qty	Equipment	Description					
1	944/9943	ROAD PLATE 8' X 12'		67.00	167.00	472.00	472.00
Rental Subtotal:							472.00
SALES/MISCELLANEOUS ITEMS:			Price	Unit of Measure		Extended Amt.	
Qty	Item						
1	DELIVERY CHARGE		230.000	EACH		230.00	
1	PICKUP CHARGE		230.000	EACH		230.00	
Sales/Misc Subtotal:							460.00
Agreement Subtotal:							932.00
Tax:							86.22
Estimated Total:							1,018.22

COMMENTS/NOTES:

CONTACT: JON STOW
CELL#: 214-738-0552

This proposal may be withdrawn if not accepted within 30 days. The above referenced Rental Protection Plan, environmental, and tax charges are estimates and are subject to change.

The rental of equipment and any items listed above is subject to availability and subject to the terms and conditions of the Rental and Service Agreement. A COPY OF THE RENTAL AND SERVICE AGREEMENT IS ATTACHED HEREIN BY REFERENCE. Page 177 of 378

- ☐ Day Shift
- ☐ Night Shift
- ☐ Material or Subcontractor
- ☐ Force Account Work
- ☐ Outside Work
- ☐ Equipment Lease or
- ☐ Vendor Invoice

Page 178 of 378

EXTRA WORK SHEET



Co. No. 1014 Job No. 103925 (Issued By) _____
 Cont. No. _____ (Address) _____
 To: _____ (Issued to) _____
 _____ (Address) _____

Date of Work 3.26

PCO Number _____

- ☒ Day Shift
- ☐ Night Shift
- ☐ Material or Subcontractor
- ☐ Force Account Work
- ☐ Outside Work
- ☐ Equipment Lease or
- ☐ Vendor Invoice

General Contractor: Kiewit Subcontractor: _____

Description of Work Surveying Set up and as-built of
RWIS Tie-in.
 Done _____

Employee No.	Detail of Labor (Including Foreman, Engineers, Superintendents, QA & QC)	Hours (Straight Time)	Hours (Overtime)	Hours (Double Time)
	Henry Shipman - Surveying Party Chief	7		
	Tim Stephens - Surveying Rod Man	7		
Labor Totals				

Equipment No.	Detail of Equipment	Hours
	UTV	7
Equipment Totals		

Detail of Materials
Marking Paint - 1 can

Approval for Owner
 By DM. I...
 Signature, Title & Date

Approved for Kiewit
 By [Signature] 3.26
 Signature, Title & Date

EXTRA WORK SHEET



Co. No. 1014 Job No. 103925 (Issued By) _____
 Cont. No. _____ (Address) _____
 To: _____ (Issued to) _____
 _____ (Address) _____

Date of Work 4.3
 PCO Number _____

- ☒ Day Shift
- ☐ Night Shift
- ☒ Material or Subcontractor
- ☐ Force Account Work
- ☐ Outside Work
- ☐ Equipment Lease or
- ☐ Vendor Invoice

General Contractor: Kiewit Subcontractor: Tenn-Hydro

Description of Work Done: Potholing Utilities and U.G. Pipe for RWPS Tie-in
Excavation to Waste from Vac truck

Employee No.	Detail of Labor (Including Foreman, Engineers, Superintendents, QA & QC)	Hours (Straight Time)	Hours (Overtime)	Hours (Double Time)
	<u>Jett Price - operator</u>	<u>10</u>		
	<u>Antonio Correa - laborer / spotter</u>	<u>10</u>		
	<u>Henry Shipman - Survey Party chief</u>	<u>1 hr</u>		
	<u>Tom Thompson - Foreman</u>	<u>11</u>		
Labor Totals				
Equipment No.	Detail of Equipment	Hours		
	<u>Hydro Vac Truck -</u>		<u>10</u>	
	<u>Pick up truck -</u>		<u>10</u>	
	<u>Cat 950 -</u>		<u>10</u>	
Equipment Totals				
Detail of Materials				
<u>Excavation to waste - 40 cy</u>				

Approval for Owner
 By OM 10/24/20
 Signature, Title & Date

Approval for Kiewit
 By [Signature]
 Signature, Title & Date

EXTRA WORK SHEET



Co. No. 1014 Job No. 103925 (Issued By) _____
 Cont. No. _____ (Address) _____
 To: _____ (Issued to) _____
 _____ (Address) _____

Date of Work 4.6

PCO Number _____

- ☒ Day Shift
- ☐ Night Shift
- ☒ Material or Subcontractor
- ☐ Force Account Work
- ☐ Outside Work
- ☐ Equipment Lease or
- ☐ Vendor Invoice

General Contractor: Kiewit Subcontractor: Tenn Hydro

Description of Work Done: Pathing Utilities and U.G. Pipe for EWRS Tie-in
Excavation to Waste from Vac Truck

Employee No.	Detail of Labor (Including Foreman, Engineers, Superintendents, QA & QC)	Hours (Straight Time)	Hours (Overtime)	Hours (Double Time)
	<u>Jett Prime - Operator</u>	<u>4</u>		
	<u>Anteora Correa - Laborer / Spotter</u>	<u>10</u>		
	<u>Tom Thompson - Foreman</u>	<u>11</u>		
	<u>Henry Shipman - Survey Party Chief</u>	<u>1</u>		
Labor Totals				
Equipment No.	Detail of Equipment	Hours		
	<u>Hydro Vac Truck</u>		<u>11</u>	
	<u>Cost 950</u>		<u>11</u>	
	<u>Ford F-250</u>			
Equipment Totals				
Detail of Materials				
<u>Excavation to Waste - 40cy</u>				

Approval for Owner
 By OM 4/20/20
 Signature, Title & Date

Approved By Kiewit
 By [Signature]
 Signature, Title & Date

PCO Number _____

- ☒ Day Shift
☐ Night Shift
☐ Material or Subcontractor
☐ Force Account Work
☐ Outside Work
☐ Equipment Lease or
☐ Vendor Invoice

Description of Work Done

Safing up undermined Areas from pathing operation, Securing area w/ hard barricade

Approval for Owner
By [Signature]
Signature, Title & Date 4/20/20

Approved for Kiewit

By [Signature] Signature, Title & Date

Invoice

Tennessee Hydrovac Inc.
9081 Statesville Road
Watertown, TN 37184-3750

Date	Invoice #
3/18/2020	1436

Bill To Kiewit 4405 International BLVD NW Suite C-101 Norcross, GA 30093

P.O. No.	Terms	Location
103295	Net 30	Claude Yates

Description	Quantity	Rate	Amount
3/11/20 Hydro Excavation Potholing and Locates	8	230.00	1,840.00
3/11/20 Hydro Excavation Overtime	2	265.00	530.00
Unit# 433 / Operator: Nicholas Taliaferro	8	230.00	1,840.00
3/13/20 Hydro Excavation Potholes and Trenches	4.5	265.00	1,192.50
3/13/20 Hydro Excavation Overtime			
Unit# 585 / Operator: John Kaufman	8	230.00	1,840.00
3/16/20 Hydro Excavation	4	265.00	1,060.00
3/16/20 Hydro Excavation Overtime			
2anc 12pm potholes			
12pm 5pm potholes pump station 1 dump	8	230.00	1,840.00
3/17/20 Hydro Excavation	4	265.00	1,060.00
3/17/20 Hydro Excavation Overtime			
6am-11 10am potholes pump station 1 dump			
11-30pm potholes pump station 4 loads dumped			
Unit 476			
Operator: John Kaufman			

Thank you for your business.

Total

\$11,202.50

Tennessee Hydrovac Inc.
9081 Statesville Road
Watertown, TN 37184-3750

9081 Statesville Road
Watertown, TN 37184-3750

Date	Invoice #
3/24/2020	1437

Bill To
Kiewit 4405 International BLVD NW Suite C-101 Norcross, GA 30093

P.O. No.	Terms	Location
103295	Net 30	Claude Yates

Description	Quantity	Rate	Amount
3/18/20 Hydro Excavation For hole pump station 10 loads dumped	8	230.00	1,840.00
3/18/20 Hydro Excavation Overtime	4.5	265.00	1,192.50
3/19/20 Hydro Excavation potholes pump station 8 loads dumped	8	270.00	2,160.00
3/19/20 Hydro Excavation Overtime	4	265.00	1,060.00
3/20/20 Hydro Excavation potholes pump station 3 loads dumped	8	230.00	1,840.00
3/20/20 Hydro Excavation Overtime	2	265.00	530.00
Unit 585			
Operator: J. McRath			

Thank you for your business.

Total

\$8,302.50

Tennessee Hydrovac Inc.
9081 Statesville Road
Watertown, TN 37184-3750

Date	Invoice #
3/25/2020	1438

Bill To
Kiewit 4405 International BLVD NW Suite C-101 Norcross, GA 30093

P.O. No.	Terms	Location
103295	Net 30	Claude Yates
		Amount

Description	Quantity	Rate	Amount
3/23/20 Hydro Excavation Pot holes pump station 3 loads dumped	8	230.00	1,840.00
3/23/2020 Hydro Excavation Overtime	4.5	265.00	1,192.50
3/24/20 Hydro Excavation potholes pump station 2 loads dumped	8	230.00	1,840.00
Total 38			
Operator: John Kautman			

Thank you for your business.

Total

\$4,872.50

Tennessee Hydrovac Inc.

9081 Statesville Road
Watertown, TN 37184-3750

Bill To

Kiewit
4405 International BLVD NW
Suite C-101
Norcross, GA 30093

Tennessee Hydrovac Inc.

9081 Statesville Road
Watertown, TN 37184-3750

Bill To

Kiewit
4405 International BLVD NW
Suite C-101
Norcross, GA 30093

Schedule of Values (SOV)

Item	Description	Approx. Quantity	Unit of Measure	Unit Price	Total
1	Hydrovac Unit and Operator ST	57	HR	\$ 230.00	\$ 13,110.00
2	Hydrovac Unit and Operator OT	10	HR	\$ 265.00	\$ 2,650.00
3	Additional Labor if needed	0	HR	\$ 80.00	\$ -
4	Mobilization/Demobilization	0	HR	\$ -	\$ -
5	Disposal	0	Per Load	\$ 100.00	\$ -
6	Remote Pipe, if applicable	0	Per Foot	\$ 1.60	\$ -
7	Support Truck, if applicable	0	Per Day	\$ 95.00	\$ -
8	Overnight Stay, if needed	0	Per Day	\$ 120.00	\$ -
	Estimated Total			\$	\$ 15,760.00

Schedule of Values

Item	Description	Approx. Quantity	Unit of Measure	Unit Price	Total
1	Tri-Axle Dump Trucks	3,485	HR	\$ 90.00	\$ 313,650.00
				\$ -	\$ -
	Approximate Agreement Total (including Taxes)			\$	\$ 313,650.00

Rental Rate Blue Book®

Caterpillar 950M
4-Wd Articulated Wheel Loaders

Size Class:
225 - 249 HP
Weight:
N/A



Configuration for 950M

Bucket Capacity - Heaped
Operator Protection

12.0 cu yd
ROPS/FOPS

Net Horsepower
Power Mode

230.0 hp
Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$44.81	FHWA Rate** Hourly USD \$93.02
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$8,485.00	USD \$2,375.00	USD \$595.00	USD \$89.00		
Adjustments						
Region (Franklin, Tennessee: 106.7%)	USD \$568.49	USD \$159.13	USD \$39.87	USD \$5.96		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$44.81	USD \$96.25
Total:	USD \$9,053.50	USD \$2,534.13	USD \$634.86	USD \$94.96		

Non-Active Use Rates

Standby Rate
Idling Rate

Hourly
USD \$32.41
USD \$74.10

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	41%	USD \$3,478.85/mo
Overhaul (ownership)	37%	USD \$3,139.45/mo
CFC (ownership)	12%	USD \$1,018.20/mo
Indirect (ownership)	10%	USD \$848.50/mo
Fuel (operating) @ USD 3.07	51%	USD \$22.66/hr

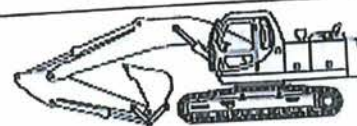
Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Caterpillar 315F L
Crawler Mounted Hydraulic Excavators



Size Class:
16.1 - 19.0 MTons
Weight:
N/A

Configuration for 315F L

Bucket Capacity - Heaped
Operating Weight

1 cu yd
36340 lbs

Net Horsepower
Power Mode

97 hp
Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$9,430.00	USD \$2,640.00	USD \$660.00	USD \$99.00	USD \$39.63	USD \$93.21
Adjustments						
Region (Franklin, Tennessee: 107.8%)	USD \$735.54	USD \$205.92	USD \$51.48	USD \$7.72		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$39.63	USD \$97.39
Total:	USD \$10,165.54	USD \$2,845.92	USD \$711.48	USD \$106.72		

Hourly

USD \$30.61

USD \$68.45

Non-Active Use Rates

Standby Rate

Idling Rate

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	37%	USD \$3,489.10/mo
Overhaul (ownership)	46%	USD \$4,337.80/mo
CFC (ownership)	10%	USD \$943.00/mo
Indirect (ownership)	6%	USD \$565.80/mo
Fuel (operating) @ USD 3.07	27%	USD \$10.69/hr

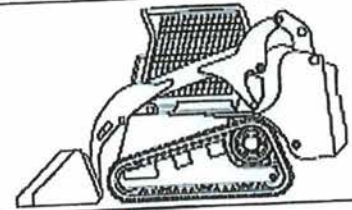
Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Caterpillar 289D
Compact Track Loaders



Size Class:
2501 - 2850 lbs
Weight:
N/A

Configuration for 289D

Net Horsepower	73.0 hp	Oper. Cap. (35% Of Tip Load)	2660.0 lbs
Operator Protection	ROPS	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$5,030.00	USD \$1,410.00	USD \$355.00	USD \$53.00	USD \$18.93	USD \$47.51
Adjustments						
Region (Franklin, Tennessee: 106.7%)	USD \$337.01	USD \$94.47	USD \$23.78	USD \$3.55		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$18.93	USD \$49.42
Total:	USD \$5,367.01	USD \$1,604.47	USD \$378.79	USD \$56.55		

Non-Active Use Rates

Standby Rate
Idling Rate

Hourly
USD \$15.25
USD \$38.76

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	34%	USD \$1,710.20/mo
Overhaul (ownership)	50%	USD \$2,515.00/mo
CFC (ownership)	7%	USD \$352.10/mo
Indirect (ownership)	9%	USD \$452.70/mo
Fuel (operating) @ USD 3.07	44%	USD \$8.27/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for **MICHAEL SHESTON**
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®
Ford F-250 SD
 On-Highway Light Duty Trucks

 Size Class:
 300 HP & Over
 Weight:
 N/A

Configuration for F-250 SD

Axle Configuration	4.0 X 4.0	Cab Type	Crew
Horsepower	300.0 hp	Power Mode	Gasoline
Ton Rating	3.0 / 4.0		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$900.00	USD \$255.00	USD \$64.00	USD \$10.00	USD \$19.00	USD \$24.11
Adjustments						
Region (Franklin, Tennessee: 108%)	USD \$72.00	USD \$20.40	USD \$5.12	USD \$0.80		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$19.00	USD \$24.52
Total:	USD \$972.00	USD \$275.40	USD \$69.12	USD \$10.80		

Non-Active Use Rates

Standby Rate	Hourly USD \$4.03
Idling Rate	Hourly USD \$20.57

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	54%	USD \$486.00/mo
Overhaul (ownership)	27%	USD \$243.00/mo
CFC (ownership)	7%	USD \$63.00/mo
Indirect (ownership)	12%	USD \$108.00/mo
Fuel (operating) @ USD 2.51	79%	USD \$15.05/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.



Kiewit

CP No. 42

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

January 4, 2021

CP-KIEWIT-00115.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: RFI 318 – Multistage Centrifugal Blower Canopy (Light Post)

Dear Mr. Harris,

Kiewit is hereby submitting a revised cost proposal for the RFI 318 – Multistage Centrifugal Blower Canopy (Light Post) in the amount of Four Thousand Eight Hundred and Nine Dollars (\$4,809.00).

This proposal includes the work to remove and existing light fixture and install a new type-N light fixture at the new blowers for the BNR Basin. Electrical work to be completed by Kiewit's subcontractor Wayne J. Griffin.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher

Kiewit Infrastructure South Co.
4405 International Blvd, Suite #C101
Norcross, Georgia 30093



DATE: 01/04/2020

PCO NO.: RF1318

PREPARED BY: Bryant Tipton

DESCRIPTION	QTY	UNIT	MH Per Unit	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
				Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total	
Subcontract - Wayne J Griffin	1	EA														
Remove and install Light Post (WUG)	1.00	LS														
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHYMA Rates.																
OTHER																
STS - small tools, consumables, safety equip, (5% of direct labor, plus 9.75% sales tax			MHR													
Formula = Total Direct Labor Subtotal *\$5)																
TAX: (9.75% of Material, Equipment, Other)																
BOND (2% of total)																
SUBTOTALS																
MARKUP %																
BOND																
SUBTOTALS WITH MARKUPS APPLIED																
TOTAL																



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

August 11, 2020

VIA EMAIL ONLY: Steven.Davis1@kiewit.com

Mr. Steven Davis, Project Manager
Kiewit
135 Claude Yates Drive
Franklin, TN 37064

RE: Job #6198 - Franklin WRF Mods and Exp., Franklin, TN
Proposal #37

Dear Mr. Davis:

Wayne J. Griffin Electric, Inc. ("WJGEI") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

This proposal is for the addition of a type N light fixture at the new Blowers for the BNR Basin, and to remove the Existing Light Pole and Fixture, per RFI-00318.

Material	\$ 1,697.86
Labor	2,264.55
Overhead & Profit	594.36
Subtotal	\$ 4,556.77
Bond	23.24
Total	\$ 4,580.01

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us. The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

Corporate Headquarters:
116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:
296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

1950 Evergreen Boulevard
Suite 300
Duluth, GA 30096
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

Mr. Steven Davis
August 11, 2020
Page 2

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (205) 733-8848 ext. 6175 or troberson@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.


Timothy R. Roberson
Project Manager

TRR/jav

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: Corbin Coker, Engineer, Kiewit, Corbin.Coker@Kiewit.com
Calvin Mize, Regional Manager, Wayne J. Griffin Electric, Inc.



116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251

CCN#:
Date:
Project Name:
Project Number:
Page Number:

P-0037, RFI 318 - Light Fixture Changes at BNI
8/11/2020
Franklin WRF Mods and Exp
06198-00-18
1

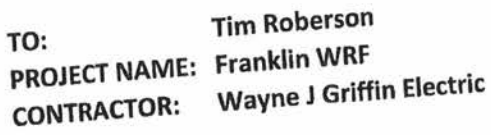
Work Description

This proposal is for the addition of a type N light fixture at the new Blowers for the BNR Basin, and to remove the Existing Light Pole and Fixture, per RFI-00318.

Itemized Breakdown	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
Description						
As Bulbs	0.00	0.0000	HRS	0.000	0.000	0.660
Cleanup	0.00	0.0000	HRS	0.000	0.000	0.660
Tools	0.00	0.0000	HRS	0.000	0.000	0.790
Field Safety/JHA	0.00	0.0000	HRS	0.000	0.000	0.660
Supervision	0.00	0.0000	HRS	0.000	0.000	1.320
Project Controls	0.00	0.0000	HRS	0.000	0.000	1.320
TYPE N LIGHT FIXTURE	1.00	599.0000	EA	599.000	3.000	3.000
DEMO EXISTING LIGHT POLE	1.00	0.0000	EA	0.000	8.000	8.000
3/4" PVC SCHEDULE 40	1.00	0.0000	EA	17.730	0.045	1.800
3/4" ALUMINUM CONDUIT	40.00	0.4433	FT	17.730	0.055	2.200
3/4" CONDUIT CUT & THREAD	40.00	5.4255	FT	217.020	0.055	1.750
3/4" ALUMINUM 90D ELBOW	5.00	0.0000	EA	0.000	0.350	0.900
3/4" 3-PIECE COUPLING	3.00	31.5600	EA	94.680	0.300	1.400
3/4" PVC COUPLING SCHEDULE 40	2.00	17.8850	EA	35.770	0.700	0.320
3/4" ALUM COUPLING	2.00	0.5150	EA	1.030	0.160	1.500
3/4" LIQUIDTITE CONDUIT	5.00	11.1900	EA	55.950	0.300	0.300
3/4" LIQUID TITE STRAIGHT ALUMINUM CONNECTOR	6.00	3.0800	FT	18.480	0.050	0.000
#12 THHN-CU-SOLID-BLACK-500FT COIL	2.00	16.4550	EA	32.910	0.000	0.720
#12 THHN-CU-STRANDED-BLACK-500FT COIL	2.00	0.5003	FT	60.040	0.006	1.200
WIRENUTS 76B RED (PKG. 100)	120.00	0.5360	FT	107.200	0.006	0.000
2"DEEP 18-CI 1G FSCT MALLEABLE BOX W/ 3 x 3/4" HUBS	200.00	0.2167	EA	1.300	0.000	1.200
1/4" BEAM CLAMP (SS)	6.00	40.0400	EA	40.040	1.200	0.000
1/4 X 1 1/4" FENDER WASHER (SS)	1.00	10.0000	EA	10.000	0.000	0.012
1/4-20 x 1" MACHINE SCREWS (SS)	10.00	1.0800	EA	10.800	0.001	0.700
3/4" RIGID STRUT CLAMP (702 SERIES)	10.00	1.9800	EA	19.800	0.070	0.240
1 5/8" X 1 5/8" 12 GAUGE 1 5/8 X 1 5/8 PLAIN 10' STRUT (SS)	8.00	6.4013	EA	51.210	0.030	1.225
	10.00	23.4900	FT	234.900	0.123	
Totals				1,697.86		31.88
Tax				0.00		
Materials with				1,697.86		

Summary

	Itemized Breakdown Total		1,697.86
Elect. Journeyman	(31.8770 hrs @ \$71.04 / hr)	2,264.54	2,264.54
Overhead & Profit	(\$3,962.41 @ 15.00%)	594.36	594.36
Bond	(\$4,556.77 @ 0.51%)	23.24	23.24
			617.60
Total			\$4,580.01



TO: Tim Roberson
PROJECT NAME: Franklin WRF
CONTRACTOR: Wayne J Griffin Electric

Thank you
Sarah Hicks



Kiewit

CP No. 61

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

November 30, 2020

CP-KIEWIT-000108.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: CP 108 – RWPS PLC Trouble Shooting – Independent Controls

Dear Mr. Harris,

Attached you will find Kiewit's change proposal for CP 108 – RWPS PLC Trouble Shooting – Independent Controls, amounting to Two Thousand One Hundred and Forty-Two Dollars (\$2,142.00).

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatchor



Klowit

Page 201 of 378

PREPARED BY: Bryant Tipton

PCO NO.: CP 108 - RWPS PLC Troubleshooting																PREPARED BY: [Signature]		TOTAL
DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT	
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost		
RWPS PLC Troubleshooting - Independent Controls																		
					\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	
					\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	
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	1.00				\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	
Subcontractor Independent Controls					\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																		
OTHER																		
STS - small tools, consumables, safety equip., (\$5 per Direct Manhour, plus 9.75% sales tax: Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)																		
		MHR			\$ -	-											\$ -	
TAX: (9.75% of Material, Equipment, Other)																		
					\$ -	-			\$ -	-			\$ -	-			\$ -	
BOND (2% of total)																		
					\$ -	-			\$ -	-			\$ -	-			\$ -	
SUBTOTALS																		
					\$15,425	-			\$15,425	-			\$2,040.00	-			\$2,142.00	
MARKUP %																		
SUBTOTALS WITH MARKUPS APPLIED																		
BOND																		
TOTAL																		
																	\$2,142	

Invoice



Independent Controls
PO Box 1721
White House, TN 37188 US
615-879-1653
jimmyb@i-controlz.com
http://www.i-controlz.com

BILL TO
Kiewit
12720 I Street
Omaha, NE 68137

SHIP TO
Kiewit
12720 I Street
Omaha, NE 68137

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
21218	11/06/2020	\$2,040.00	12/06/2020	Net 30	

SERVICE REQUESTED

Troubleshoot Reclaim PS

DATE	SERVICE	DESCRIPTION	QTY	RATE	AMOUNT
10/21/2020	labor	Received a call that the PS controls were not operating correctly with the new pumps. Arrived onsite and found the pumps were operating. Went over correct operation and verified they were starting/stopping and ramping correctly.	4	120.00	480.00
10/22/2020	labor	Received a call that the PS low level float was not shutting off pumps as required. Investigated pump run issues with Reclaim System. Automation Direct Productivity 2000 controller was installed December 2018 to replace existing US Filter D620i controller system. Contractor states that pumps were starting even when Low Level Float was active. Reviewed offline Automation Direct Productivity Suite v3.2.4.1 application. This revealed that pump run commands were inhibited by Low Level Float condition, although tentative pump calls to run were active, awaiting pump availability. I went to site and connected laptop PC to controller with software. Discovered that "Redundant" digital input was overriding pump run requests and calling pumps to run constantly. Added Low Level Float condition to prevent pump run commands, even with "Redundant" call to operate pumps. Pumps were intermittently stopping and starting, even with PLC digital outputs for Call To Run inactive. Pointed out that a third party recently to install some additional equipment. Since the pump system had been running without issue for nearly two years, Informed contractor to contact third party installer to investigate the issue.	6	120.00	720.00
10/30/2020	labor	Modify panel to lock out redundant system when low level is present. Used spare output relay from PLC to make/break low level pressure alarm. When PLC senses low level it will lockout all pumps. When pumps are off for an extended time and the pressure falls below the alarm set point the low level relay will prevent pumps from starting again till low level has cleared.	7	120.00	840.00

BALANCE DUE

\$2,040.00



Kiewit

CP No. 63

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

December 16, 2020

CP-KIEWIT-00112.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: CP-KIEWIT-00112.00 Chemical Scrubber Spare Pump

Dear Mr. Harris,

Attached you will find Kiewit's change proposal for **CP 112 – Chemical Scrubber Spare Pump**, amounting to **Nineteen Thousand Six Hundred and Eighty Eight Dollars (\$19,688.00)**.

This proposal covers the costs associated with acquiring a spare pump for the Chemical Scrubber. It will serve as a standby pump for Stage 2 and Stage 3 and can also be used in the future for Stage 1 as needed.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022



DATE: 12/16/2020

PCO NO.: CP-KIEWIT-112 - Chemical Scrubber OCS
Spare Pump

PREPARED BY: Bryant Tipson

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Indusco Spare Pump - Chemical Scrubber OCS																	
Material cost	1.00	EA															
Spare Varton Pump 600 GPM	1.00	EA															
Labor Cost	1.00	EA	1.00	1	\$ 48.38	\$ 48.38											
Offloading/Handling																	
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																	
OTHER																	
STS - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax. Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)																	
	1	MHR															
						\$ -											
TAX: (9.75% of Material, Equipment, Other)																	
BOND (2% of total)					1	\$ 48.38											
SUBTOTALS						\$55.04											
MARKUP %																	
SUBTOTALS WITH MARKUPS APPLIED																	
BOND																	
TOTAL																	

		PO Box 8093 Spanish Fort, AL 36577 Indusco Contact: Brent McInnis Phone: 251-621-2338		
Date: 11/30/2020 Company: Kiewit Water Facilities South Co. 135 Claude Yates Drive Franklin, TN 37064		Quote No: IE218034F Attn: Stephen Reid Phone: 647-454-2610 E-mail: stephen.reid@kiewit.com		
Project Name: Franklin WRF -11255 - Spare Recycle Pump				
Item	Description / Part Number	Qty	Unit Price	SubTotal
1	Spare Vanton Pump 600 GPM @ 40 TDH Model SGK-PY4X410C-SP	1	\$ 17,000.00	\$ 17,000.00
Freight Included		Total:		\$ 17,000.00

Notes:

Make PO to: Indusco Environmental Services P.O. Box 8093 Spanish Fort, AL 36577	1. <u>ALL ORDERS MUST HAVE:</u> PO#, Shipping Address, Billing Address, Contact Name, Phone Number, Fax Number, and Tax Exempt Certificate (if applicable). 2. <u>ALL SALES ARE FINAL</u> – Please review and verify all parts and items quoted 3. No Federal, State, or Local Taxes /Fees included
Terms & Conditions	
Payment Terms: Net 30 Days Balance due upon shipment.	This Quotation is valid for 30 days. Price is FOB Point of Shipment

Thank you for your inquiry!

Kewit Infrastructure South Co
Hourly Rates (Confidential)
2020 Breakdown of Craft Wage Burden Rates

Franklin WRF Modifications & Expansion Project
 City of Franklin, TN
 Project No: 103925

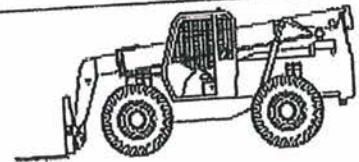
Wage Type	Foreman		Dozer		Loader/Roller		Forklift/Crane		Excavator		Pipelayer		Laborer	
	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages	\$ 40.00	\$ 60.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 24.00	\$ 36.00
PTO Burden	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	\$ 3.50	\$ 5.26	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.45	\$ 3.68	\$ 2.10	\$ 3.15
Retirement Burden	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.12	\$ 1.68	\$ 1.66	\$ 1.66	\$ 1.04	\$ 1.57	\$ 1.66	\$ 1.66
Insurance Burden	\$ 1.49	\$ 2.24	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.04	\$ 1.57	\$ 0.90	\$ 1.34
Additional Wages	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subsistence	\$ 15.07	\$ 15.07	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54
Total	\$ 62.31	\$ 84.80	\$ 48.38	\$ 65.25	\$ 43.28	\$ 59.03	\$ 48.38	\$ 65.25	\$ 43.28	\$ 59.03	\$ 43.28	\$ 59.03	\$ 38.78	\$ 52.28

Wage Type	Pipefitter (Foreman)		Pipefitter		Millwright		Carpenter (Building)		Carpenter (Heavy)		Iron Worker (Building)		Iron Worker (Heavy)	
	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages	\$ 38.55	\$ 57.83	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16
PTO Burden	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	\$ 3.38	\$ 5.07	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52	\$ 2.45	\$ 3.68	\$ 2.45	\$ 3.68	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52
Retirement Burden	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	\$ 1.44	\$ 2.16	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50	\$ 1.04	\$ 1.57	\$ 1.04	\$ 1.57	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50
Additional Wages	\$ 16.42	\$ 16.42	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94	\$ -	\$ -	\$ 11.71	\$ 11.71	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94
Subsistence	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54
Total	\$ 71.56	\$ 93.25	\$ 69.32	\$ 89.87	\$ 54.83	\$ 69.89	\$ 43.28	\$ 59.03	\$ 54.99	\$ 70.74	\$ 69.32	\$ 89.87	\$ 54.83	\$ 69.89

Wage Type	Survey	
	Straight	OT
Labor - Base Wages	\$ 33.00	\$ 49.50
PTO Burden	\$ 0.19	\$ 0.19
Tax Burden	\$ 2.89	\$ 4.34
Retirement Burden	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66
Insurance Burden	\$ 1.23	\$ 1.85
Additional Wages	\$ -	\$ -
Subsistence	\$ 13.92	\$ 13.92
Total	\$ 53.28	\$ 71.84

Rental Rate Blue Book®

Xtreme XRM1245 (disc. 2008)
Telescoping Boom Rough Terrain Lift Trucks



Size Class:
5.0 MTons & Over
Weight:
32930 lbs

Configuration for XRM1245 (disc. 2008)

Base Capacity	12000.0 lbs	Horsepower	122.0
Maximum Lift Height	536.0 in	Maximum Reach	364.0 in
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$7,075.00	USD \$1,980.00	USD \$495.00	USD \$74.00	USD \$40.28	USD \$80.48
Adjustments	-	-	-	-	-	-
Region (100%)	-	-	-	-	-	-
Model Year (2008: 100%)	-	-	-	-	-	-
Adjusted Hourly Ownership Cost (100%)	-	-	-	-	-	-
Hourly Operating Cost (100%)	-	-	-	-	USD \$40.28	USD \$80.48
Total:	USD \$7,075.00	USD \$1,980.00	USD \$495.00	USD \$74.00	USD \$40.28	USD \$80.48

USE \$60/Hr

Do not have XTREME - Hourly
10ES on Equipment Watch
USD \$16.88
USD \$50.69

Non-Active Use Rates

Standby Rate
Idling Rate

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	29%	USD \$2,051.75/mo
Overhaul (ownership)	57%	USD \$4,032.75/mo
CFC (ownership)	6%	USD \$424.50/mo
Indirect (ownership)	7%	USD \$495.25/mo
Fuel (operating) @ USD 3.07	26%	USD \$10.49/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)



Kiewit

CP No. 64

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

January 7, 2021

CP-KIEWIT-00119.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: REVISED – Deletion of SPB 2nd Floor Curbs

Dear Mr. Harris,

Attached you will find Kiewit's revised credit proposal for CP 119 – Delete Solids Processing Building 2nd Floor Curbs. Kiewit offers a credit of **Nine Thousand Eight Hundred and Seventy-Five Dollars (\$9,875.00)**.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher

DATE: 01/07/21

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022



PCO NO.: CP-KIEWIT-110

PREPARED BY: Bryant Tipton

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
RFI 334 - Deletion of 2nd Floor Curbs at the Solids Processing Building																	
Materials	(10.00)	CY							\$127.50	(\$1,275.00)							(\$1,275.00)
Purchase Concrete	(1.00)	TN							\$1,000.00	(\$1,000.00)							(\$1,000.00)
Purchase Reinforcing Steel	(368.50)	SF	0.02	(7.38)	\$62.31	(\$45.90)											(\$45.90)
Labor - Joint Prep	1.00	EA		(0.74)	\$43.28	(\$143.78)											(\$143.78)
Foreman	2.00	EA		(3.32)	\$38.78	(\$128.83)											(\$128.83)
Carpenter	2.00	EA		(3.32)													
Laborer																	
Labor - Erect/Strip Forms	(737.00)	SF	0.15	(110.56)	\$62.31	(\$688.90)											(\$688.90)
Foreman	1.00	EA		(11.95)	\$43.28	(\$2,153.35)											(\$2,153.35)
Carpenter	2.00	EA		(49.75)	\$38.78	(\$1,929.46)											(\$1,929.46)
Laborer	2.00	EA		(49.75)													
Labor - P/FIC	(10.00)	CY	1.76	(17.51)	\$62.31	(\$109.10)											(\$109.10)
Foreman	1.00	EA		(1.75)	\$43.28	(\$341.00)											(\$341.00)
Carpenter	2.00	EA		(7.88)	\$38.78	(\$305.55)											(\$305.55)
Laborer	2.00	EA		(7.88)													
Labor - Patch	(368.50)	SF	0.02	(5.53)	\$62.31	(\$34.44)											(\$34.44)
Foreman	1.00	EA		(0.55)	\$43.28	(\$107.50)											(\$107.50)
Carpenter	2.00	EA		(2.49)	\$38.78	(\$98.41)											(\$98.41)
Laborer	2.00	EA		(2.49)													
Labor - Reinforcing Steel	(1.00)	TN	15.00	(15.00)	\$62.31	(\$93.47)											(\$93.47)
Foreman	1.00	EA		(1.50)	\$69.32	(\$467.91)											(\$467.91)
Ironworker	2.00	EA		(6.75)	\$38.78	(\$261.77)											(\$261.77)
Laborer	2.00	EA		(6.75)													
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																	
OTHER																	
STS - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax)																	
Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)	156	MHR															
TAX: (8.75% of Material, Equipment, Other)						\$ (5,507.54)											\$ (5,507.54)
BOND (3% of total)																	
SUBTOTALS																	
MARKUP %																	
SUBTOTALS WITH MARKUPS APPLIED																	
BOND																	
TOTAL																	

[EXTERNAL] RE: **Quote Request -- #4 Rebar



Boyuka, John M <John.Boyuka@cmc.com>
To ✔ Bryant.TiptonII

 You replied to this message on 12/14/2020 10:47 AM.

1 Ton #4 \$1,000.00

Thanks

John M. Boyuka

Project Manager

mobile: 901-361-4135

COMMERCIAL METALS COMPANY

CMC Rebar

4280 Sidco Dr. | Nashville, TN 37204

cmc.com

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Job No.: 103925

Seller Name: Imi Tennessee LLC
Material Contract No.: 103925-MC-064
Contract ID No. _____

**Attachment A
Scope of Work**

Schedule of Values

Item	Description	Quantity	Unit of Measure	Unit Price	Total
1	E2 - 4,500 psi (after March 1st, 2020) subject to 3% discount as stated in Item 2.8 below	3,250	CY	\$ 127.50	\$ 414,375.00
	Total Contract Price (without tax)				\$ 414,375.00

1.0 General Description of the "Work": Seller shall provide all supervision, labor, material, tools and equipment to furnish and deliver all cast-in-place concrete material in accordance with the Contract Documents, and the following.

.1 **FURNISH SECTIONS:** Specification Section 03300 – Cast-In-Place Concrete and Section 03600 – Grout.

- Also includes in addition to the above, any other applicable and/or related specification sections, including but not limited to: Division 00, Division 1 General Requirements and other any applicable sections.
- .2 Quantities are approximate and may increase or decrease at Contractor's option. Seller shall be paid for actual quantities received and installed. Seller shall furnish all required certifications and submittals as defined in the specifications at no additional cost to Contractor.
- .3 Contractor shall not pay for material delivered on site that does not meet requirements stated in Specification Section 03300 – Cast-In-Place Concrete and Section 03600 – Grout.

2.0 Including But Not Limited to:

- .1 The unit prices in the Schedule of Values are firm through February 28, 2021, and shall increase \$9.00 per cubic yard annually thereafter. Quantities may increase or decrease at Contractor's option. Seller shall be paid only for actual quantities received and verified by Contractor.
- .2 BOND(s): Not Required
- .3 Seller will provide 0% of the Seller's total contract dollar value in DBE participation.
- .4 Material is not exempt from sales or use taxes.
- .5 Seller shall attend and participate in Contractor's daily and/or weekly scheduling and coordination meetings as determined by the Contractor.
- .6 Seller shall submit a quality plan to Contractor prior to start of Work.
- .7 Seller shall provide all required material certifications or tests prior to or upon delivery of materials to site.

CDM .8 Contractor shall receive a ^{\$13.00} 2% discount on all proper invoices paid within 10 days after Contractor's receipt.

3.0 Exclusions:

- .1 None.

4.0 Schedule of Work:

- .1 Seller shall attend schedule meetings prior to major pours.
- .2 Seller shall provide material to meet the project schedule and production demands. Seller shall provide multiple crews for material to be delivered timely to different areas of the Project, at no additional cost to Contractor.

Kiewit Infrastructure South Co
Hourly Rates (Confidential)
2020 Breakdown of Craft Wage Burden Rates

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Project No: 103925

Wage Type	Foreman		Dozer		Loader/Roller		Forklift/Crane		Excavator		Pipelayer		Laborer	
	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages	\$ 40.00	\$ 60.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 24.00	\$ 36.00
PTO Burden	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	\$ 3.50	\$ 5.26	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.45	\$ 3.68	\$ 2.10	\$ 3.15
Retirement Burden	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	\$ 1.49	\$ 2.24	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.04	\$ 1.57	\$ 0.90	\$ 1.34
Additional Wages	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subsistence	\$ 15.07	\$ 15.07	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54
Total	\$ 62.31	\$ 84.80	\$ 48.38	\$ 65.25	\$ 43.28	\$ 59.03	\$ 48.38	\$ 65.25	\$ 43.28	\$ 59.03	\$ 43.28	\$ 59.03	\$ 38.78	\$ 52.28

Wage Type	Pipefitter (Foreman)		Pipefitter		Millwright		Carpenter (Building)		Carpenter (Heavy)		Iron Worker (Building)		Iron Worker (Heavy)	
	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages	\$ 38.55	\$ 57.83	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16
PTO Burden	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	\$ 3.38	\$ 5.07	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52	\$ 2.45	\$ 3.68	\$ 2.45	\$ 3.68	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52
Retirement Burden	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	\$ 1.44	\$ 2.16	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50	\$ 1.04	\$ 1.57	\$ 1.04	\$ 1.57	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50
Additional Wages	\$ 16.42	\$ 16.42	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94	\$ -	\$ -	\$ 11.71	\$ 11.71	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94
Subsistence	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54
Total	\$ 71.56	\$ 93.25	\$ 69.32	\$ 89.87	\$ 54.83	\$ 69.89	\$ 43.28	\$ 59.03	\$ 54.99	\$ 70.74	\$ 69.32	\$ 89.87	\$ 54.83	\$ 69.89

Wage Type	Survey	
	Straight	OT
Labor - Base Wages	\$ 33.00	\$ 49.50
PTO Burden	\$ 0.19	\$ 0.19
Tax Burden	\$ 2.89	\$ 4.34
Retirement Burden	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66
Insurance Burden	\$ 1.23	\$ 1.85
Additional Wages	\$ -	\$ -
Subsistence	\$ 13.92	\$ 13.92
Total	\$ 53.28	\$ 71.84



Kiewit

CP No. 65

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

January 7, 2021

CP-KIEWIT-00120.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: Revised RE: CP-KIEWIT-00120.00 for RFI 334 – SPB Door Jambs

Dear Mr. Harris,

Attached you will find Kiewit's revised change proposal for **RFI 334 – Solids Processing Building Masonry Door Jambs**, amounting to **Thirty One Thousand One Hundred and Sixteen Dollars (\$31,116.00)**.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davls
Project Manager

cc: File
Michelle Hatcher



PCO NO.: CP-KIEWIT-00120.00

PCO NO.: CP-KIEWIT-00120.00																	
PREPARED BY: Bryant Tipton																	
DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
RFI 334 - Substitution of Masonry Door Jams at Solids Processing Building																	
Material Cost	1.00	LS															
Openings at DC-106	1.00	LS							\$ 5,135.00	\$ 5,135.00							\$ 5,135.00
Openings at DC-113D	1.00	LS							\$ 9,203.00	\$ 9,203.00							\$ 9,203.00
Openings at DC-208	1.00	LS							\$ 3,595.00	\$ 3,595.00							\$ 3,595.00
Openings at DC-209									\$ 6,721.00	\$ 6,721.00							\$ 6,721.00
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																	
OTHER																	
STS - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)		MHR															
									\$2,403.77								\$ 2,403.77
TAX: (9.75% of Material, Equipment, Other)									\$ 27,057.77								\$ 27,057.77
BOND (2% of total)									\$ 15.00%								\$ 4.056%
									\$31,116.43								\$31,116.43
SUBTOTALS																	
MARKUP %																	
SUBTOTALS WITH MARKUPS APPLIED																	
BOND																	
TOTAL																	

PREPARED BY: Bryant Tipton

ATLANTA
221 Armour Drive • Atlanta, GA 30324
P 404-745-7223 • F 404-327-5107

DENVER
4200 Monaco St • Denver, CO 80216
P 816-480-2600 • F 303-783-3617

KANSAS CITY
1901 E. 119th Street • Olathe, KS 66061
P 816-480-2600 • F 816-480-2858

SPRINGFIELD
2146 E. Pythian • Springfield, MO 65802
P 417-831-5585 • F 417-831-5565

LAS VEGAS • NV LIC #0071664
7485 Dean Martin Dr. • Las Vegas, NV 89139
P 702-258-8588 • F 702-836-3667

PHOENIX • AZ ROC #183892, K-60
616 W. 24TH St. • Tempe, AZ 85282
P 480-968-3667 • F 480-557-7228

ST. LOUIS
12046 Lackland Road • St. Louis, MO 63146
P 314-781-5200 • F 314-781-0938

WICHITA
3506 West Harry • Wichita, KS 67213
P 316-944-3667 • F 316-944-6465

CONTRACT PROPOSAL

BUYER (and billing address if different from site): Kiewit Infrastructure South Corp. 450 A Dividend Dr vendor# 23722 Peachtree City GA 30269	PROJECT (site address): FRANKLIN WRF MODIFICATIONS AND EXPANSION 135 CLAUDE YATES DRIVE FRANKLIN TN 37064	PROPOSAL #: PTL008.R2
--	--	-----------------------

Submitted To: Cody Prange

Submitted By: Kristin Scruggs

Proposal date: August 3, 2020

I am pleased to quote the following per plans dated and specifications dated .

RFI 334 are included in this quote.

I am pleased to quote the following materials as supplied only (unless noted otherwise), FOB jobsite per plans and specifications dated above, with clarifications and exclusions noted (if any). TAX IS NOT INCLUDED

Totals by Opening						
Opening	Hardware Adds	Hardware Deducts	Hardware Restock	Hardware Subtotal	FRP Adds	Grand Total
DC-106	\$1,858	-\$1,141	\$513	\$1,230	\$3,904	\$5,135
DC-113D	\$3,728	-\$2,081	\$937	\$2,583	\$6,620	\$9,203
DC-208	\$580	-\$691	\$311	\$200	\$3,395	\$3,595
DC-209	\$1,246	-\$2,081	\$937	\$101	\$6,620	\$6,721
Grand Total	\$7,411	-\$5,995	\$2,698	\$4,114	\$20,540	\$24,654

NET AMOUNT

Notes:

1) No FRP Deducts

2) Net HDWR =
(Hardware Adds +
Hardware Restock)
Hardware Deducts

Opening(s)	Heading(s)	Change	Prod Type	Qty	
DC-106	02.1A	8813J X 42"W X ETL X 644 X L/C	FH	1	FH Adds \$1,858
DC-106	02.1A	2676	FH	1	Restock Fee \$513
DC-106	02.1A	K1050 X 4BE X CSK X 10" X 36.5"	FH	2	FH DC-106 \$2,371
DC-106	02.1A	290AV X 76" X 94"	FH	1	-\$1,141
DC-106	02.1A	315CN X 38"W	FH	2	Net HDWR \$1,230
DC-106	02.1A	2005AT X 76"W	FH	1	
DC-106	02.1A	4 6-4 x 7-10 x 1 3/4 2 KNOCK DOWN TBD CMU STD-WIRE CUI	FRP	1	FRP Adds \$3,904
DC-106	02.1A	1P TBD POLYURETHANE 1 3/4 3-2 x 7-10 FNV 1/4 A 3/8 110 DI	FRP	1	
DC-106	02.1A	1P TBD POLYURETHANE 1 3/4 3-2 x 7-10 FNV 1/4 A 3/8 110 DI	FRP	1	
DC-106	02.1A	8813F X 36"W X ETL X 644 X L/C	FH	-1	FH Deducts -\$1,141
DC-106	2.1	2672	FH	-1	
DC-106	2.1	K1050 X 4BE X CSK X 10" X 34.5"	FH	-2	
DC-106	2.1	290AV X 72" X 94"	FH	-1	
DC-106	2.1	315CN X 36"W	FH	-2	
DC-106	2.1	2005AT X 72"W	FH	-1	
DC-113D	2.2	12-8713J X 42"W X 94"H X ETL X 655 X 646 X L/C	FH	1	FH Adds \$3,728
DC-113D	2.2	12-8710J X 42"W X 94"H X NO TRIM X 655 X 646	FH	1	Restock Fee \$937
DC-113D	2.2	K1050 X 4BE X CSK X 10" X 36.5"	FH	2	FH DC-113D \$4,665
DC-113D	2.2	290AV X 76" X 94"	FH	1	-\$2,081
DC-113D	2.2	315CN X 38"W	FH	2	Net HDWR \$2,583
DC-113D	2.2	2005AT X 76"W	FH	1	
DC-113D	2.2	x 7-10 x 1 3/4 2 KNOCK DOWN TBD CMU-R UL 90PP STD-WIF	FRP	1	FRP Adds \$6,620
DC-113D	2.2	1BD UL 90PP MINERAL CORE 1 3/4 3-2 x 7-10 FNV 1/4 A 3/8 1	FRP	1	
DC-113D	2.2	1BD UL 90PP MINERAL CORE 1 3/4 3-2 x 7-10 FNV 1/4 A 3/8 1	FRP	1	
DC-113D	2.2	12-8713F X 36"W X 94"H X ETL X 655 X 646 X L/C	FH	-1	FH Deducts (\$2,081)

DC-113D	2.2	12-8710F X 36"W X 94"H X NO TRIM X 655 X 646	FH	-1	
DC-113D	2.2	K1050 X 4BE X CSK X 10" X 34.5"	FH	-2	
DC-113D	2.2	290AV X 72" X 94"	FH	-1	
DC-113D	2.2	315CN X 36"W	FH	-2	
DC-113D	2.2	2005AT X 72"W	FH	-1	
DC-208	3.3	2676	FH	1	FH Adds \$580
DC-208	3.3	10-436 X TORX	FH	2	Restock Fee \$311
DC-208	3.3	K1050 X 4BE X CSK X 10" X 36.5"	FH	2	FH DC-208 \$891
DC-208	3.3	290AV X 76" X 86"	FH	1	Net HDWR -\$691 \$200
DC-208	3.3	315CN X 38"W	FH	2	
DC-208	3.3	2005AT X 76"W	FH	1	
DC-208	3.3	1/4 6-4 x 7-2 x 1 3/4 2 KNOCK DOWN TBD CMU STD-WIRE CUI	FRP	1	FRP \$3,395
DC-208	3.3	) FRP TBD POLYURETHANE 1 3/4 3-2 x 7-2 F C 3/8 110 DEG	FRP	1	
DC-208	3.3	) FRP TBD POLYURETHANE 1 3/4 3-2 x 7-2 F C 3/8 110 DEG	FRP	1	FH Deducts (\$691)
DC-208	3.3	2672	FH	-1	
DC-208	3.3	10-336 X TORX	FH	-2	
DC-208	3.3	K1050 X 4BE X CSK X 10" X 34.5"	FH	-2	
DC-208	3.3	290AV X 72" X 94"	FH	-1	
DC-208	3.3	315CN X 36"W	FH	-2	
DC-208	3.3	2005AT X 72"W	FH	-1	
DC-209	03.4A	10-436 X TORX	FH	2	FH adds \$1,246
DC-209	03.4A	K1050 X 4BE X CSK X 10" X 36.5"	FH	2	Restock Fee \$937
DC-209	03.4A	290AV X 76" X 86"	FH	1	FH DC-209 \$2,183
DC-209	03.4A	315CN X 38"W	FH	2	Net HDWR -\$2,081 \$1,246
DC-209	03.4A	2005AT X 76"W	FH	1	
DC-209	03.4A	7-10 x 1 3/4 2 KNOCK DOWN TBD CMU-R UL 90PP STD-WIR	FRP	1	FRP \$6,620
DC-209	03.4A	P TBD UL 90PP MINERAL CORE 1 3/4 3-2 x 7-10 F C 3/8 110 C	FRP	1	
DC-209	03.4A	P TBD UL 90PP MINERAL CORE 1 3/4 3-2 x 7-10 F C 3/8 110 C	FRP	1	FH Deducts (\$2,081)
DC-209	03.4A	10-336 X TORX	FH	-2	
DC-209	03.4A	K1050 X 4BE X CSK X 10" X 34.5"	FH	-2	
DC-209	03.4A	290AV X 72" X 94"	FH	-1	
DC-209	03.4A	315CN X 36"W	FH	-2	
DC-209	03.4A	2005AT X 72"W	FH	-1	
				Grand Total	\$24,654.00

Clarifications and Exclusions:

No changes to openings DC-113C, DC-210 and DC-212 as they are still in CMU wall.

The proposal described herein, including all price(s) quoted, is made conditionally upon Buyer's continued credit status and must be accepted by Buyer as made by Seller. To accept this Proposal, Buyer must date, sign and return the original copy hereof to Seller within 30 days after the date hereof. Unless expressly disclosed and stated, the amount of any sales and use tax is not included in this proposal.

Buyer acknowledges and agrees that each and all of the terms and conditions on Attachment A (TERMS AND CONDITIONS) are a part of this Proposal and that upon Buyer's acceptance of this Proposal shall constitute a valid and binding contract between the parties and all prior proposals, discussions and agreements respecting the subject matter hereof are cancelled. **DEPOSIT ON SPECIAL ORDER ITEMS IS NON-REFUNDABLE.**

BUYER ACCEPTANCE

TYPE OR PRINT NAME OF BUYER _____

ACCEPTANCE DATE: ____/____/____
(MM/DD/YYYY)

Signature of: ☐ Owner ☐ Partner ☐ Officer (Indicate which)



Kiewit

CP No. 66

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

January 4, 2021

CP-KIEWIT-00115.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: RFI 343 – Roofing & Beams Columns

Dear Mr. Harris,

Kiewit is hereby submitting a revised cost proposal for **RFI 343 – Roofing & Beams Columns** amounting to **Seven Thousand Five Hundred and Sixty Seven Dollars (\$7,567.00)**.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher

DATE: 01/04/2021

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022



PCO NO.: RFI 343 Roofing & Beam Columns

PREPARED BY: Bryant Tipton

DESCRIPTION	QTY	UNIT	M/H Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Labor Cost																	
Rebar Install - 6 Columns	1.00	EA	8.00	8	\$ 62.31	\$ 498.48											\$ 498.48
Foreman	3.00	EA	7.50	22.5	\$ 69.03	\$ 1,553.18											\$ 1,553.18
Ironworker(s)-Building	1.00	EA	1.00	1	\$ 46.34	\$ 46.34											\$ 46.34
Operator-Crane	1.00	EA	1.00	1	\$ 36.42	\$ 36.42											\$ 36.42
Certified Rigger/Laborer																	
Formwork (Column Erect Strips) - 5 Columns	1.00	EA	7.00	7	\$ 62.31	\$ 436.17											\$ 436.17
Foreman	2.00	EA	7.00	14	\$ 36.42	\$ 509.88											\$ 509.88
Laborer(s)																	
Pour Concrete	1.00	EA	3.00	3	\$ 62.31	\$ 186.93											\$ 186.93
Foreman	2.00	EA	3.00	6	\$ 36.42	\$ 218.52											\$ 218.52
Laborer(s)																	
Material Handling	0.50	HR															
Forklift	1.00	EA	0.50	0.5	\$ 46.34	\$ 23.17											\$ 23.17
Operator	1.00	EA	0.50	0.5	\$ 36.42	\$ 18.21											\$ 18.21
Laborer/Spotter																	
Equipment Cost	1.00	HR															
Crane																	
Material Cost	1.54	TN															
CMC Rebar	1.50	CY															
Concrete	1.00	EA															
Environmental Fee																	
*Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																	
OTHER																	
STS - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.76% sales tax; Formula - Total Direct Labor Manhour Subtotal * \$5.00 * 1.0976)	63.5	MHR															\$ 317.50
TAX: (9.76% of Material, Equipment, Other)																	\$ 40.71
BOND (2% of total)																	\$ 116.00
SUBTOTALS						\$ 3,527.30				\$ 266.40		\$ 21.44					\$ 3,815.14
MARKUP %																	
SUBTOTALS WITH MARKUPS APPLIED & TAX										\$ 2,733.25		\$ 218.86					\$ 3,000.00
BOND																	\$ 60.00
TOTAL										\$ 3,143.24		\$ 252.84					\$ 3,456.08

REVISED - CP-KIEWIT-00118.00 0 RFI 343_CP-ContProposal-FranklinWRF.dcx

Klewit Infrastructure South Co
Hourly Rates (Confidential)
2020 Breakdown of Craft Wage Burden Rates

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Project No: 103925

Wage Type	Burden %	Foreman		Dozer		Loader/Roller		Forklift/Crane		Excavator		Pipelayer		Laborer	
		Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages		\$ 40.00	\$ 60.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 24.00	\$ 36.00
PTO Burden		\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	8.76%	\$ 3.50	\$ 5.26	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.45	\$ 3.68	\$ 2.10	\$ 3.15
Retirement Burden		\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden		\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	3.73%	\$ 1.49	\$ 2.24	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.04	\$ 1.57	\$ 0.90	\$ 1.34
Additional Wages		\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subsistence		\$ 15.07	\$ 15.07	\$ 7.18	\$ 7.18	\$ 7.19	\$ 7.19	\$ 7.50	\$ 7.50	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18
Total		\$ 62.31	\$ 84.80	\$ 46.02	\$ 62.89	\$ 40.93	\$ 56.68	\$ 46.34	\$ 63.21	\$ 40.92	\$ 56.67	\$ 40.92	\$ 56.67	\$ 36.42	\$ 49.92

Wage Type	Burden %	Survey		Pipefitter (Building)		Pipefitter (Heavy)		Carpenter (Building)		Carpenter (Heavy)		Iron Worker (Building)		Iron Worker (Heavy)	
		Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages		\$ 33.00	\$ 49.50	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16	\$ 28.00	\$ 42.00	\$ 26.77	\$ 40.16	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16
PTO Burden		\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	8.76%	\$ 2.89	\$ 4.34	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52	\$ 2.45	\$ 3.68	\$ 2.35	\$ 3.52	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52
Retirement Burden		\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden		\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	3.73%	\$ 1.23	\$ 1.85	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50	\$ 1.04	\$ 1.57	\$ 1.00	\$ 1.50	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50
Additional Wages		\$ -	\$ -	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94	\$ -	\$ -	\$ 12.94	\$ 12.94	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94
Subsistence		\$ 13.92	\$ 13.92	\$ 7.18	\$ 7.18	\$ 7.18	\$ 7.18	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25	\$ 9.25
Total		\$ 53.28	\$ 71.84	\$ 66.96	\$ 87.51	\$ 52.47	\$ 67.53	\$ 42.99	\$ 58.74	\$ 34.54	\$ 49.60	\$ 49.03	\$ 69.58	\$ 54.54	\$ 69.60

Wage Type	Burden %	Millwright	
		Straight	OT
Labor - Base Wages		\$ 26.77	\$ 40.16
PTO Burden		\$ 0.19	\$ 0.19
Tax Burden	8.76%	\$ 2.35	\$ 3.52
Retirement Burden		\$ 0.39	\$ 0.39
Health Burden		\$ 1.66	\$ 1.66
Insurance Burden	3.73%	\$ 1.00	\$ 1.50
Additional Wages		\$ 12.94	\$ 12.94
Subsistence		\$ 7.18	\$ 7.18
Total		\$ 52.47	\$ 67.53

Rental Rate Blue Book[®]

Xtreme XRM1245 (disc. 2008)

Telescoping Boom Rough Terrain Lift Trucks

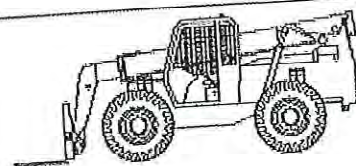
Size Class:
5.0 MTons & Over
Weight:
32930 lbs

Configuration for XRM1245 (disc. 2008)

Base Capacity 12000.0 lbs
Maximum Lift Height 536.0 in
Power Mode Diesel

Horsepower
Maximum Reach

122.0
364.0 in



Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$7,075.00	USD \$1,980.00	USD \$495.00	USD \$74.00	USD \$40.28	USD \$80.48
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2008: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)						
Hourly Operating Cost (100%)					USD \$40.28	USD \$80.48
Total:	USD \$7,075.00	USD \$1,980.00	USD \$495.00	USD \$74.00	USD \$40.28	USD \$80.48

USE \$60/Hr

Do not have XTREME-Hourly
1055 on Equipment Watch USD \$16.88
USD \$50.69

Non-Active Use Rates

Standby Rate
Idling Rate

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	29%	USD \$2,051.75/mo
Overhaul (ownership)	57%	USD \$4,032.75/mo
CFG (ownership)	6%	USD \$424.50/mo
Indirect (ownership)	7%	USD \$495.25/mo
Fuel (operating) @ USD 3.07	26%	USD \$10.49/hr

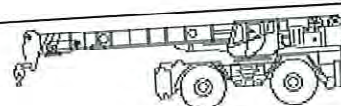
Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Tadano GR-800XL-1 (disc. 2010)
Rough Terrain Hydraulic Cranes



Size Class:
66.0 - 80.9 MTons
Weight:
107965 lbs

Configuration for GR-800XL-1 (disc. 2010)

Axle Configuration: 4 X 4 X 4
Maximum Lift Capacity: 72.6 mt
Power Mode: Diesel

Maximum Boom Length: 144.4 ft
Net Horsepower: 270.0 hp

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$15,285.00	USD \$4,280.00	USD \$1,070.00	USD \$160.00	USD \$96.17	USD \$183.02
Adjustments						
Region (Franklin, Tennessee: 108%)	USD \$1,222.80	USD \$342.40	USD \$85.60	USD \$12.80		
Model Year (2010: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$96.17	USD \$189.96
Total:	USD \$16,507.80	USD \$4,622.40	USD \$1,155.60	USD \$172.80		

Non-Active Use Rates

Standby Rate
Idling Rate

Hourly
USD \$51.59
USD \$127.66

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	38%	USD \$5,808.30/mo
Overhaul (ownership)	45%	USD \$6,878.25/mo
CFC (ownership)	10%	USD \$1,528.50/mo
Indirect (ownership)	7%	USD \$1,069.95/mo
Fuel (operating) @ USD 3.07	35%	USD \$33.87/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)



CMC Rebar Nashville
852 Visco Dr, Suite 101
Nashville, TN 37210
Phone
Fax

CMC Change Order #: CO29
Change Order Date: 8/20/20

CHANGE ORDER REQUEST

Customer: Campbell & Ford Construction Inc
1592 Whitten Rd
Memphis, TN 38134-7550

Project: Franklin WWTP

CMC Job #: 1922800003

Subject: RFI 343

Description of Changes:

Adding 3,284# and 9 hours of re-detailing per RFI 343.

Amount of this Change Order (excluding taxes) **\$ 2,542.00**

It is mutually agreed that for such change the contract price is changed by \$ 2,542.00 , terms of payment are net 30 days. No retainage of funds will be allowed. If you have any questions regarding our Change Order, immediately contact the below signed to schedule a meeting to discuss it.

Change Order pricing is subject to market increase change if not approved within 30 days.

Campbell & Ford Construction Inc

CMC Rebar

Signature: _____

Signature: _____

Salesman - John Boyuka

Date: _____

Date: _____

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Job No.: 103925

Seller Name: imi Tennessee LLC
Material Contract No.: 103925-MC-064
Contract ID No. _____

Attachment A Scope of Work

Schedule of Values

Item	Description	Quantity	Unit of Measure	Unit Price	Total
1	E2 - 4,500 psi (after March 1st, 2020) subject to 3% discount as stated in Item 2.8 below	3,250	CY	\$ 127.50	\$ 414,375.00
	Total Contract Price (without tax)				\$ 414,375.00

1.0 General Description of the "Work": Seller shall provide all supervision, labor, material, tools and equipment to furnish and deliver all cast-in-place concrete material in accordance with the Contract Documents, and the following.

.1 **FURNISH SECTIONS:** Specification Section 03300 – Cast-In-Place Concrete and Section 03600 – Grout.

Also includes in addition to the above, any other applicable and/or related specification sections, including but not limited to: Division 00, Division 1 General Requirements and other any applicable sections.

- .2 Quantities are approximate and may increase or decrease at Contractor's option. Seller shall be paid for actual quantities received and installed. Seller shall furnish all required certifications and submittals as defined in the specifications at no additional cost to Contractor.
- .3 Contractor shall not pay for material delivered on site that does not meet requirements stated in Specification Section 03300 – Cast-In-Place Concrete and Section 03600 – Grout.

2.0 Including But Not Limited to:

- .1 The unit prices in the Schedule of Values are firm through February 28, 2021, and shall increase \$9.00 per cubic yard annually thereafter. Quantities may increase or decrease at Contractor's option. Seller shall be paid only for actual quantities received and verified by Contractor.
- .2 BOND(s): Not Required
- .3 Seller will provide 0% of the Seller's total contract dollar value in DBE participation.
- .4 Material is not exempt from sales or use taxes.
- .5 Seller shall attend and participate in Contractor's daily and/or weekly scheduling and coordination meetings as determined by the Contractor.
- .6 Seller shall submit a quality plan to Contractor prior to start of Work.
- .7 Seller shall provide all required material certifications or tests prior to or upon delivery of materials to site.

CDM .8 Contractor shall receive a 3% discount on all proper invoices paid within 10 days after Contractor's receipt.

3.0 Exclusions:

- .1 None.

4.0 Schedule of Work:

- .1 Seller shall attend schedule meetings prior to major pours.
- .2 Seller shall provide material to meet the project schedule and production demands. Seller shall provide multiple crews for material to be delivered timely to different areas of the Project, at no additional cost to Contractor.



Kiewit

CP No. 69

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

January 28, 2021

CP-KIEWIT-00127.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

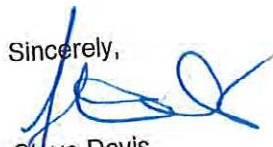
Subject: RFI 393 – THP Footing & RCP Conflict Revised

Dear Mr. Harris,

Attached you will find Kiewit's change proposal for RFI 393 – THP Footing & RCP Conflict, amounting to **Two Thousand Twenty-One Dollars (\$2,021.00)**.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,



Steve Davis
Project Manager

Cc: File

DATE: 1/28/2021

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022



PCO NO.: RFI 393 - THP Footing & RCP Conflict

PREPARED BY: Steve Davis

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Excavate, Place Bond Breaker, and Pour Back Footing Placement						\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Labor Cost	1.00	EA	8.00	8	\$ 62.31	\$ 560.79		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 560.79
Foreman	1.00	EA	4.00	4	\$ 43.28	\$ 173.12		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 173.12
Operator	1.00	EA	8.00	8	\$ 38.78	\$ 310.24		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 310.24
Laborer						\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Material Cost	1.00	CY			\$ -	\$ -		\$ -	\$ 127.60	\$ 127.60		\$ -		\$ -		\$ -	\$ 127.60
Purchase Concrete	1.00	EA			\$ -	\$ -		\$ -	\$ 200.00	\$ 200.00		\$ -		\$ -		\$ -	\$ 200.00
Minimum Delivery Charge for Concrete					\$ -	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Equipment Costs					\$ -	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Wacker Neuson Vibratory Plate Compactor	1.00	EA			\$ -	\$ -		\$ -		\$ -	\$ 87.00	\$ 87.00		\$ -		\$ -	\$ 87.00
Excavator	4.00	HR			\$ -	\$ -		\$ -		\$ -	\$ 32.88	\$ 130.80		\$ -		\$ -	\$ 130.80
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.					\$ -	\$ -		\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
OTHER						\$ -		\$ -		\$ -		\$ -		\$ -		\$ 5.00	\$ 5.00
STS - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax; Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)	21	MHR				\$ -		\$ -		\$ 31.93		\$ 21.22		\$ -		\$ 53.15	\$ 53.15
TAX: (9.75% of Material, Equipment, Other)						\$ 1,044.15		\$ -		\$ 369.43		\$ 238.82		\$ -		\$ 1,652.40	\$ 1,652.40
BOND (2% of total)						\$ 1,000.00		\$ 18.00		\$ 16.00		\$ 16.00		\$ 5.00		\$ 1,039.00	\$ 1,039.00
SUBTOTALS				21		\$ 1,200.77		\$ 18.00		\$ 413.35		\$ 274.64		\$ 5.00		\$ 1,701.76	\$ 1,701.76
MARKUP %																	
SUBTOTALS WITH MARKUPS APPLIED																	
BOND																	
TOTAL																	\$ 2,021.00

Kiewit Infrastructure South Co
Hourly Rates (Confidential)
2020 Breakdown of Craft Wage Burden Rates

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Project No: 103925

Wage Type	Foreman		Dozer		Loader/Roller		Forklift/Crane		Excavator		Pipelayer		Laborer	
	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages	\$ 40.00	\$ 60.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 24.00	\$ 36.00
PTO Burden	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	\$ 3.50	\$ 5.26	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.63	\$ 3.94	\$ 2.45	\$ 3.68	\$ 2.45	\$ 3.68	\$ 2.10	\$ 3.15
Retirement Burden	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	\$ 1.49	\$ 2.24	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.12	\$ 1.68	\$ 1.04	\$ 1.57	\$ 1.04	\$ 1.57	\$ 0.90	\$ 1.34
Additional Wages	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subsistence	\$ 15.07	\$ 15.07	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54
Total	\$ 62.31	\$ 84.80	\$ 48.38	\$ 65.25	\$ 43.28	\$ 59.03	\$ 48.38	\$ 65.25	\$ 43.28	\$ 59.03	\$ 43.28	\$ 59.03	\$ 38.78	\$ 52.28

Wage Type	Pipefitter (Foreman)		Pipefitter		Millwright		Carpenter (Building)		Carpenter (Heavy)		Iron Worker (Building)		Iron Worker (Heavy)	
	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages	\$ 38.55	\$ 57.83	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16
PTO Burden	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.19
Tax Burden	\$ 3.38	\$ 5.07	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52	\$ 2.45	\$ 3.68	\$ 2.45	\$ 3.68	\$ 3.20	\$ 4.80	\$ 2.35	\$ 3.52
Retirement Burden	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66	\$ 1.66
Insurance Burden	\$ 1.44	\$ 2.16	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50	\$ 1.04	\$ 1.57	\$ 1.04	\$ 1.57	\$ 1.36	\$ 2.04	\$ 1.00	\$ 1.50
Additional Wages	\$ 16.42	\$ 16.42	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94
Subsistence	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54	\$ 9.54
Total	\$ 71.56	\$ 93.25	\$ 69.32	\$ 89.87	\$ 54.83	\$ 69.89	\$ 43.28	\$ 59.03	\$ 54.99	\$ 70.74	\$ 69.32	\$ 89.87	\$ 54.83	\$ 69.89

Wage Type	Survey	
	Straight	OT
Labor - Base Wages	\$ 33.00	\$ 49.50
PTO Burden	\$ 0.19	\$ 0.19
Tax Burden	\$ 2.89	\$ 4.34
Retirement Burden	\$ 0.39	\$ 0.39
Health Burden	\$ 1.66	\$ 1.66
Insurance Burden	\$ 1.23	\$ 1.85
Additional Wages	\$ -	\$ -
Subsistence	\$ 13.92	\$ 13.92
Total	\$ 53.28	\$ 71.84



AED Green Book®

Wacker Neuson VP1550A
Hand Held Vibratory Plate Compactors

Size Class:
To 95 Kg
Weight:
N/A

Configuration for VP1550A

Horsepower
Pounds Per Blow

4.8 hp
3372 lbs

Plate Width
Power Mode

19.9 in
Gasoline

AED Rental Rates

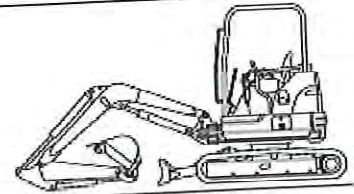
These rental rates reflect an average for equipment of this type and size. Rates shown for specific brands or models are provided for convenience only. Rates charged by rental companies for specific brands or models will vary depending on many factors

	Monthly	Weekly	Daily
Published Rates	USD \$779.00	USD \$289.00	USD \$87.00
Adjustments	-	-	-
Region (: 100%)	-	-	-
User Defined	-	-	USD \$87.00
Rental Rates (100%)	USD \$779.00	USD \$289.00	
Total:			
Date Last Updated: Sep 01, 2020			

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®
Caterpillar 305.5E2 CR

Crawler Mounted Compact Excavators

 Size Class:
 5.1 - 6.0 MTons
 Weight:
 N/A

Configuration for 305.5E2 CR

 Bucket Capacity - Heaped
 Operating Weight
 Power Mode

 0.1 cu yd
 11958 lbs
 Diesel

 Net Horsepower
 Operator Protection

 44.1 hp
 ROPS

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$3,085.00	USD \$865.00	USD \$215.00	USD \$32.00	USD \$13.75	USD \$31.28
Adjustments						
Region (Franklin, Tennessee: 107.8%)	USD \$240.63	USD \$67.47	USD \$16.77	USD \$2.50		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$13.75	USD \$32.65
Total:	USD \$3,325.63	USD \$932.47	USD \$231.77	USD \$34.50		

Non-Active Use Rates

 Standby Rate
 Idling Rate

 Hourly
 USD \$12.28
 USD \$24.43

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	42%	USD \$1,295.70/mo
Overhaul (ownership)	36%	USD \$1,110.60/mo
CFC (ownership)	11%	USD \$339.35/mo
Indirect (ownership)	12%	USD \$370.20/mo
Fuel (operating) @ USD 3.07	40%	USD \$5.53/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

 The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
 (Michael.Sheston@kiewit.com)

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Job No.: 103925

Seller Name: imi Tennessee LLC
Material Contract No.: 103925-MC-064
Contract ID No. _____

**Attachment A
Scope of Work**

Schedule of Values

Item	Description	Quantity	Unit of Measure	Unit Price	Total
1	E2 - 4,500 psi (after March 1st, 2020) subject to 3% discount as stated in Item 2.8 below	3,250	CY	\$ 127.50	\$ 414,375.00
	Total Contract Price (without tax)				\$ 414,375.00

Chilled Water per yard	\$3.00
E2 - With 1.5 LB Fibers - 4,500 psi, per cy (before March 1, 2021)	\$133.50
E3 - 4,500 psi, per cy (before March 1, 2021)	\$131.50
E3 - With 1.5 LB Fibers - 4,500 psi, per cy (before March 1, 2021)	\$137.50
Holidays and Sundays	TBD
Environmental Fee, per load	\$12.00
Excess unloading over 60 minutes charged per hour	\$90.00
High Range Water Reducer, add/cy	\$7.50
Ice, per lb	\$0.40
Late Delivery, After 5:00 PM, per load	\$75.00
Mid-Range Water Reducer, add/cy	\$5.00
Non-Chloride Accelerator, per dose	\$5.50
Reinforcing Fiber, add/cy	\$7.00
Retarding Admixture, per dose	\$3.50
Saturday Delivery, per load	\$50.00
Small Load Charge 2 yards or less	\$200.00
Small Load Charge 2.25 - 3.75 yards	\$100.00
Winter Service (Dec 1 - Feb 28), add /CY (includes hot water)	\$4.00



Kiewit

CP No. 73

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

March 4, 2021

CP-KIEWIT-00140.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: RFI 177 – Pump Clarifications

Dear Mr. Harris,

Attached you will find Kiewit's change proposal for **RFI 177 – Pump Clarifications** in the amount of **Six Thousand Eight Hundred Fifty-Seven Dollars (\$6,857.00)**.

In consideration of the project receiving a favorable response from the Tennessee Department of Revenue regarding the broadening of the sales and use tax exemption, Kiewit has not included sales and use taxes on permanent materials provided within this cost proposal that are not covered by the current Industrial Machinery Sales and Use Tax Exemption Certificate. Should the project not receive a favorable ruling, sales and use taxes may need to be revisited for this cost proposal.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher



RFI NO.: 177 Pump Clarifications

PREPARED BY: Galileo Rivera-Tobar

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Subcontracts	1.00	LS													
Wayne J. Griffin - Electrical															
*Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.															
OTHER															
STS - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax: Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)		MHR													
TAX: (9.75% of Material, Equipment, Other)															
BOND (2% of total)															
SUBTOTALS															
MARKUP %															
SUBTOTALS WITH MARKUPS APPLIED															
BOND															
TOTAL															



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

November 8, 2019

VIA EMAIL ONLY: Steven.Davis1@kiewit.com

Mr. Steven Davis, Project Manager
Kiewit
135 Claude Yates Drive
Franklin, TN 37064

RE: Job #6198 - Franklin WRF Mods and Exp, Franklin, TN
Proposal #17

Dear Mr. Davis:

Wayne J. Griffin Electric, Inc. ("WJGEI") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

This proposal is for the additional chemical pump added in RFI 177. The price includes conduit and wire for the control and power circuits as detailed on E-91 as part of RFI 177.

Material	\$ 1,859.77
Labor	3,790.06
Overhead & Profit	847.47
Subtotal	\$ 6,497.30
Bond	33.14
Total	\$ 6,530.44

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us. The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

Corporate Headquarters:
116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:
296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

1950 Evergreen Boulevard
Suite 300
Duluth, GA 30096
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

Mr. Steven Davis
November 8, 2019
Page 2

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (205) 733-8848 ext. 6175, or troberson@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Timothy R. Roberson
Project Manager

TRR/kam

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: Corbin Coker, Engineer, Kiewit, Corbin.Coker@Kiewit.com
Calvin Mize, Regional Manager, Wayne J. Griffin Electric, Inc.
Sarah Moore, Project Engineer, Wayne J. Griffin Electric, Inc.



116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251

CCN#: P-0017, RFI 177 New E-91 Drawing Added Che
Date: 11/8/2019
Project Name: Franklin WRF Mods and Exp
Project Number: 06198-00-18
Page Number: 1

Work Description

This proposal is for the additional chemical pump added in RFI 177. The price includes conduit and wire for the control and power circuits as detailed on E-91 as part of RFI 177.

Itemized Breakdown	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
Description						
As Builts	0.00	0.0000	HRS	0.000	0.000	1.110
Cleanup	0.00	0.0000	HRS	0.000	0.000	1.110
Tools	0.00	0.0000	HRS	0.000	0.000	1.330
Field Safety/JHA	0.00	0.0000	HRS	0.000	0.000	1.110
Supervision	0.00	0.0000	HRS	0.000	0.000	2.210
Project Controls	130.00	0.2974		38.660	0.031	2.210
16/2 TSP	93.00	0.4433	FT	41.230	0.045	4.004
3/4" PVC SCHEDULE 40	108.00	0.7047	FT	76.110	0.053	4.185
1" PVC SCHEDULE 40	10.00	1.0110	FT	10.110	0.047	5.670
3/4" PVC SCHEDULE 80	5.00	10.8500	FT	54.250	0.080	0.473
3/4 PVC COATED ALUM RIGID CONDUIT	2.00	14.0500	FT	28.100	0.100	0.400
1 PVC COATED ALUM RIGID CONDUIT	10.00	30.0600	EA	300.600	0.300	0.200
3/4" ALUMINUM 90D ELBOW	8.00	41.8900	EA	335.120	0.350	3.000
1" ALUMINUM 90D ELBOW	4.00	0.8850	EA	3.540	0.160	2.800
3/4" PVC MALE ADAPTER	28.00	0.9807	EA	27.460	0.160	0.640
3/4" PVC FEMALE ADAPTER	18.00	1.3344	EA	24.020	0.180	4.480
1" PVC FEMALE ADAPTER	1.00	0.7200	EA	0.720	0.175	3.240
3/4" LOCKNUT	4.00	2.2925	EA	9.170	0.170	0.175
3/4" - 1/2" REDUCING BUSHING	12.00	6.1500	FT	73.800	0.080	0.680
1/2" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT	12.00	4.2817	EA	51.380	0.120	0.960
1/2 NON-METALLIC LIQUIDTITE STRAIGHT CONN	730.00	0.2054	FT	149.940	0.006	1.440
#14 XHHW COPPER WIRE	300.00	0.2788	FT	83.640	0.007	4.380
#12 XHHW COPPER WIRE	1.00	15.4900	EA	15.490	0.000	2.100
WING-NUT RED 452 (PKG. 100)	1.00	5.0400	EA	5.040	0.000	0.000
GROUNDING PIGTAILS #12	1.00	6.5200	EA	6.520	0.000	0.040
1G VERT/HORIZ WHILE IN USE COVER	1.00	24.8200	EA	24.820	0.300	0.000
4" SQ. BOX 2-1/8" DEEP 3/4" KO	1.00	24.7800	EA	24.780	0.150	0.300
4" SQ. RING 2" RAISED 1 DEV	14.00	0.1788	EA	2.500	0.001	0.150
3/8 X 1-1/4" ZINC PLATED FENDER WASHER	14.00	0.2000	EA	2.800	0.050	0.017
3/8-16 X 1" HEX BOLT (SS)	10.00	0.3420	EA	3.420	0.170	0.700
3/8" HOLLOW WALL ANCHOR	8.00	2.2862	EA	18.290	0.030	0.240
3/4" RIGID STRUT CLAMP (702 SERIES)	12.00	20.0000	FT	240.000	0.123	1.470
1 5/8" X 1 5/8" 12 GAUGE 1 5/8 X 1 5/8 SLOT 10' STRUT (SS)	8.00	3.8100	EA	30.480	0.030	0.240
3/4" RIGID STRUT CLAMP (SS)	4.00	2.8800	EA	11.520	0.072	0.288
3/8 SPRING NUTS (SS)	1.00	30.0000	EA	30.000	0.300	0.300
20A SPEC GRADE SINGLE RECEPTACLE - GRAY	1.00	136.2600	EA	136.260	0.000	0.000
8 X 8 X 7 PVC JUNCTION BOX						
Totals				1,859.77		53.35
Tax					0.00	
Materials with				1,859.77		

Summary

Itemized Breakdown Total

(53.3513 hrs @ \$71.04 / hr)

3,790.08

1,859.77

3,790.08

Elect. Journeyman



116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251

CCN#:

Date:

Project Name:

Project Number:

Page Number:

P-0017, RFI 177 New E-91 Drawing Added Che

11/8/2019

Franklin WRF Mods and Exp

06198-00-18

2

Overhead & Profit (\$5,649.83 @ 15.00%)

847.47

847.47

Bond

(\$6,497.30 @ 0.51%)

33.14

33.14

880.61

Total

\$6,530.44



Kiewit

CP No. 75

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

May 18, 2020

CP-KIEWIT-00017.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

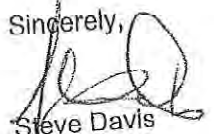
Subject: Digester Stairs added Swing Gate (1/S-66)

Dear Mr. Harris,

Kiewit is hereby submitting a cost proposal for the **Addition of a Swing Gate at Digester Tank Stairs Platform Elevation 691' (1/S-66) in the amount of Eight Hundred Twenty-Two Dollars (\$822.00)**. The purpose of this addition is to ensure the safety of plant employees using the ladder to reach platform Elevation 685'.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,


Steve Davis
Project Manager

cc: File
Michelle Hatcher



PCO NO.:

PREPARED BY: Kian Lawlor

DATE: 05-18-2020

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Digester Stair Swing Gate (1/S-66)																	
Install Swing gate	1	Ea	3.00	3	\$ 36.13	\$ 72.26											\$ 72.26
Laborer	2.00	Ea	1.00	2	\$ 61.04	\$ 122.08											\$ 122.08
Foreman	1.00	Ea	1.00	1	\$ 61.04	\$ 61.04											\$ 61.04
Equipment																	
F-250 Pick Up (Foreman)	1	Hr															
Subcontracts																	
HME (Material)	1.00	LS															
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																	
OTHER																	
STS - small tools, consumables, safety equip, (5% of direct labor, plus 9.75% sales tax. Formula = Total Direct Labor Subtotal * .05 * 1.0925)	3	MHR				\$ 2.35											\$ 2.35
TAX: (9.75% of Material, Equipment, Other)																	
BOND (2% of total)						\$ 133.30											\$ 133.30
SUBTOTALS						\$ 153.30											\$ 153.30
MARKUP %																	
SUBTOTALS WITH MARKUPS APPLIED																	
BOND																	
TOTAL																	

Rental Rate Blue Book®

Ford F-250 SD
On-Highway Light Duty Trucks

Size Class:
300 HP & Over
Weight:
N/A



Configuration for F-250 SD

Axle Configuration **4.0 X 4.0**
Horsepower **300.0 hp**
Ton Rating **3.0 / 4.0**

Cab Type
Power Mode

Crew
Gasoline

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
	USD \$900.00	USD \$255.00	USD \$64.00	USD \$10.00	USD \$19.00	USD \$24.11
Published Rates						
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)					USD \$19.00	USD \$24.11
Hourly Operating Cost (100%)						
Total:	USD \$900.00	USD \$255.00	USD \$64.00	USD \$10.00		

Hourly
USD \$3.73
USD \$20.16

Non-Active Use Rates

Standby Rate
Idling Rate

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	54%	USD \$486.00/mo
Overhaul (ownership)	27%	USD \$243.00/mo
CFC (ownership)	7%	USD \$63.00/mo
Indirect (ownership)	12%	USD \$108.00/mo
Fuel (operating) @ USD 2.51	79%	USD \$15.05/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for **MICHAEL SHESTON**
(Michael.Sheston@kiewit.com)

HME, INC.

HAAS METAL ENGINEERING

2828 NW Button Road
Topeka, KS 66618
Phone: 785-235-1524



Change Order Request

Owner: Kiewit Infrastructure South Co.
4405 International Blvd., NW, Suite C-101
Norcross, GA 30093

Project: 18.097 / FRANKLIN WRF
135 CLAUDE YATES DR.
FRANKLIN, TN 37064

COR# 4: ADDED GATE @ DIGESTER STAIR (REF:S-66)

\$600.00

ADDED SWING GATE AT ELEVATION 691' ± IN FRONT OF LADDER THAT GOES FORM 685' TO 691'. THE SWING GATE WILL BE MADE OUT OF THE SAME MATERIAL AS THE HANDRAIL

1: ADDED GATE @ DIGESTER STAIR (REF:S-66)

TOTAL, THIS CHANGE ORDER REQUEST

\$600.00

Approved By: Kiewit Infrastructure South Co.

Signed: _____

Date: _____

Submitted By: HME, Inc.

Signed: _____

Date: _____



Kiewit

CP No. 76

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

March 10, 2021

CP-KIEWIT-00141.00

To: Attn: Mr. Dan Harris
CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: RFI 435 – Future Vortex Grit Upper Deck Cover

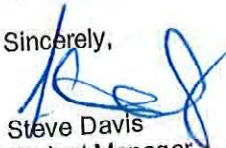
Dear Mr. Harris,

Attached you will find Kiewit's change proposal for **RFI 435 – Future Vortex Grit Upper Deck Cover** in the amount of **Seven Hundred Sixty-Five Dollars (\$765.00)**.

In consideration of the project receiving a favorable response from the Tennessee Department of Revenue regarding the broadening of the sales and use tax exemption, Kiewit has not included sales and use taxes on permanent materials provided within this cost proposal that are not covered by the current Industrial Machinery Sales and Use Tax Exemption Certificate. Should the project not receive a favorable ruling, sales and use taxes may need to be revisited for this cost proposal.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,


Steve Davis
Project Manager

cc: File
Michelle Hatcher



RFI NO.: 435 Future Vortex Grit Upper Deck Cover

PREPARED BY: Galileo Rivera-Tobias

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Laborer - Offloading/Handling	2	EA	2.00	4.00	\$ 38.78	\$ 155.12											\$ 155.12
Laborer	1	EA	1.00	1.00	\$ 38.78	\$ 38.78											\$ 38.78
Material cost																	
25"x25" AIS 316SS 1/4" Diamond Plate	1.00	EA							\$ 320.00	\$ 320.00							\$ 320.00
5/8" 316SS Drop-in Anchor	4.00	EA							\$ 29.75	\$ 119.00							\$ 119.00
5/8" 316SS Flat Head Screw, 1-1/2" Long	4.00	EA							\$ 8.07	\$ 32.28							\$ 32.28
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																	
OTHER																	\$ 5.00
STS - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax: Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)																	
TAX: (9.75% of Material, Equipment, Other)																	\$ 193.90
BOND (2% of total)																	\$ 5.00
SUBTOTALS						\$ 222.99				\$ 471.28							\$ 694.27
MARKUP %																	
SUBTOTALS WITH MARKUPS APPLIED																	
BOND																	
TOTAL						\$ 222.99				\$ 471.28							\$ 694.27

Galileo.RiveraTobar

From: Drew.Selsor
Sent: Thursday, March 4, 2021 3:53 PM
To: Galileo.RiveraTobar
Subject: FW: Franklin WRF - Quote

Galileo,
This is the cheaper option.
Thank you,
Drew



DREW SELSOR
Field Engineer, Franklin WRF Modifications and Expansion Project

KIEWIT INFRASTRUCTURE SOUTH CO.
135 Claude Yates Dr., Franklin, TN 37064
(931)-200-1168 cell
kiewit.com

From: David Grell <dgrell@hmeinc.net>
Sent: Wednesday, March 3, 2021 10:25 AM
To: Drew.Selsor <Drew.Selsor@kiewit.com>
Cc: William.McMillen <William.McMillen@kiewit.com>; Mitchell.Hickey <Mitchell.Hickey@kiewit.com>; Austin.Tamson <Austin.Tamson@kiewit.com>
Subject: [EXTERNAL] RE: Franklin WRF - Quote

We do have a plate in stock that size, I can not confirm at this time if it is domestic or not. The price of the plate would be \$290.00. That does not include shipping. We have truck going to your site on 3/10, I can throw it on that load if you let me know. If we do not make that truck, I would have to add some shipping on to that price. Let me know if you have any questions.

Add \$30 for shipping costs
Total = \$320.00

David Grell | Project Manager
HME, Inc. | 2828 NW Button Road | Topeka, KS 66618
785-430-5951

From: Drew.Selsor <Drew.Selsor@kiewit.com>
Sent: Tuesday, March 2, 2021 3:14 PM
To: David Grell <dgrell@hmeinc.net>
Cc: William.McMillen <William.McMillen@kiewit.com>; Mitchell.Hickey <Mitchell.Hickey@kiewit.com>; Austin.Tamson <Austin.Tamson@kiewit.com>
Subject: Franklin WRF - Quote

David,
Do you have in stock and sell AIS or non-AIS 316SS 1/4" Diamond Plate material? If you do can you please provide a quote for a 25" x 25" sheet.
Thank you,
Drew



DREW SELSOR

Field Engineer, Franklin WRF Modifications and Expansion Project

KIEWIT INFRASTRUCTURE SOUTH CO.
135 Claude Yates Dr., Franklin, TN 37064
(931)-200-1168 cell
kiewit.com

David Grellk | Project Manager

HME, INC.
HAAS METAL ENGINEERING

HME, Inc. | 2828 NW Button Road | Topeka, KS 66618
Main: 785-235-1524 | Direct: 785-430-5951

[Website](#) | [Map](#) | [Facebook](#) | [LinkedIn](#)

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Order

Purchase Order (optional)

Ships today



316 Stainless Steel Female-Threaded Anchors for Concrete
5/8"-11 Thread Size
97095A190

Packs of
1 each

\$29.75
Pack

\$119.00

X



316 Stainless Steel Hex Drive Full Head Screw
82 Degree Countersink Angle, 5/8"-11 Thread Size, 1-1/2" Long
90555A331

Packs of
1 each

8.07
Pack

32.26

X

+ Add a line

Merchandise \$151.26
Applicable shipping and tax will be added.



Kiewit

CP No. 77

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

February 18, 2021

CP-KIEWIT-00134.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: RFI 428 – Natural Gas Pipe Fittings Weld to Threaded

Dear Mr. Harris,

Attached you will find Kiewit's credit proposal for **RFI 428 – Natural Gas Pipe Fittings Weld to Threaded**. Kiewit offers a credit of **Two Thousand Seven Hundred and Fifty-Five Dollars (\$2,755.00)**.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher



Klewit

214713021

Page 247 of 378

[illegible]



JOHN BOUCHARD & SONS CO.
1024 Harrison Street
Nashville, TN 37203
615-256-0112

February 10, 2021

Mr. Steven Davis
Kiewit Water Facilities South Co.
135 Claude Yates Drive
Franklin, TN 37064

RE: Credit Proposal to Use Threaded Natural Gas Pipe Instead of Socket Weld on 2" and Smaller Piping

Dear Mr. Davis,

Pursuant to CDM Smith's request on the regarding our RFI #428, we have prepared this credit proposal for installing threaded, schedule 40, AIS-compliant natural gas piping instead of socket welded piping for pipe sizes 2" and smaller at DB and Solids. Note that the majority of the cost savings are in the labor cost.

Credit Proposal for Threaded Instead of SW on 2" & Smaller **\$ 2,623.43**

Accepted On: _____ 2021

By: _____
SIGNATURE

Print Name: _____

JOHN BOUCHARD & SONS CO.

BY: David Proctor JV
SIGNATURE

Print Name David Proctor

T&C Piping Instead of Socket Weld - 2" and Smaller

DB SW Piping:

SW Piping:		ferg-ea	extended		
100	3/4" sch40 domestic blk pipe	\$3.50	\$350.00	0.1	10.00
6	3/4" SW 90s	\$3.75	\$22.50	0.8	4.80
1	3/4" SW tee	\$6.00	\$6.00	1.2	1.20

Solids SW Piping

Gas Piping: Domestic AIS					
		\$3.50	\$472.50	0.16	21.60
135	2" sch40 domestic blk pipe	\$18.00	\$18.00	0.80	0.80
1	2" unions SW	\$14.00	\$14.00	2.40	2.40
1	2" tee SW	\$28.00	\$28.00	2.40	2.40
1	2x1" SW tee	\$10.00	\$60.00	1.60	9.60
6	2" 90s SW	\$6.00	\$36.00	1.60	9.60
6	2" SW couplings				
		\$3.50	\$420.00	0.12	14.40
120	1.5" sch40 domestic blk pipe	\$20.00	\$40.00	1.80	3.60
2	1.5x1.25" SW tee	\$7.00	\$49.00	1.20	8.40
7	1.5" 90s SW	\$4.00	\$24.00	1.20	7.20
6	1.5" SW couplings				
		\$3.00	\$180.00	0.11	6.60
60	1.25" sch40 domestic blk pipe	\$12.00	\$24.00	0.50	1.00
2	1.25" unions	\$6.00	\$48.00	1.10	8.80
8	1.25" SW 90s	\$8.00	\$16.00	1.65	3.30
2	1.25" SW tees	\$9.00	\$9.00	1.10	1.10
1	1.25x1 SW reducer		\$150.00		1
	Welding Consumables				
Totals - SW			\$1,967.00		117.80

DB T&C Piping:

T&C Piping:		ferg-ea	extended	Hours/Task	Total Hours
100	3/4" sch40 domestic blk pipe	\$3.34	\$334.00	0.05	5.00
6	3/4" thd 90s	\$2.22	\$13.32	0.55	3.30
1	3/4" thd tee	\$3.53	\$3.53	0.8	0.80

Solids T&C Piping

		LABOR		Hours/Task	Total Hours
Gas Piping: Domestic AIS					
135	2" sch40 domestic blk pipe	\$8.18	\$1,104.30	0.08	10.80
1	2" unions thd	\$24.00	\$24.00	0.80	0.80
1	2" tee thd	\$21.00	\$21.00	1.20	1.20
1	2x1" thd tee	\$21.00	\$21.00	1.20	1.20
6	2" 90s thd	\$13.13	\$78.78	0.80	4.80
6	2" thd couplings	\$11.56	\$69.36	0.80	4.80
120	1.5" sch40 domestic blk pipe	\$2.66	\$319.20	0.08	9.60

2	1.5x1.25" thd tee	\$17.88	\$35.76	1.15	2.30
7	1.5" 90s thd	\$8.30	\$58.10	0.75	5.25
6	1.5" thd couplings	\$7.81	\$46.86	0.75	4.50
60	1.25" sch40 domestic blk pipe	\$4.42	\$265.20	0.07	4.20
2	1.25" unions	\$18.46	\$36.92	0.36	0.72
8	1.25" thd 90s	\$6.30	\$50.40	0.70	5.60
2	1.25" thd tees	\$9.70	\$19.40	1.10	2.20
1	1.25x1 thd reducer	\$6.69	\$6.69	0.70	0.70
Totals T&C			\$2,507.82		67.77

Socket Weld Materials	\$1,967.00
Socket Weld Labor Cost (\$57/hr)	\$6,714.60
Truck	\$441.75
Markup (5%)	\$456.17
Socket Weld Total	\$9,579.52

T&C Materials	\$2,507.82
T&C Labor Cost (\$57/hr)	\$3,862.89
Truck	\$254.14
Markup (5%)	\$332.24
T&C Total	\$6,956.09

Difference (Credit)	-\$2,623.43
---------------------	-------------



RFI Reference No: KIEWIT-RFI-000428
Status: CLOSED-OUT

Request For Information

For Action:

Steve Davis, Kiewit
Dan Harris, CDM Smith
Michael Pachuiolo, Kiewit
Tate Atha, CDM Smith
Hayden Fussell, CDM Smith
Alexandra Romero, Kiewit
Morgan Brewster, Kiewit

For Info:

Kyle Krajco, Kiewit
Neena Bilbo, City of Franklin
Brian Goodwin, City of Franklin
Michelle Hatcher, City of Franklin
Tom Lamb, CDM Smith
Jim Townsend, CDM Smith
Stephen Reid, Kiewit
Jared Carr, Kiewit
Tim Roberson, Wayne J. Griffin
Nick Young, Wayne J. Griffin
Andy McMillen, Kiewit
Andrew McLain, Kiewit
Arturo Cruz, Kiewit
Mitch Hickey, Kiewit
Ewa PoplawskaPagan, Kiewit
Jonathan Johnson, Control Instruments, Inc.
Mason Millet, CDM Smith
Stephen Eubanks, Kiewit
Peter Sestak, Kiewit
Mark Renwick, Kiewit
Kian Lawlor, Kiewit
Abdul Albashit, Kiewit
William Ball, Kiewit
Michael Stiltner, Kiewit
Brad Coutu, Kiewit
Drew Selsor, Kiewit
Austin Tamson, Kiewit
Kaitlyn Speck, CDM Smith
Bristyl Baker, Kiewit
Luke Paulson, Kiewit
Brandon Hallford, Kiewit
Thomas Mauro, Kiewit
Zach West, Kiewit
Silvio Detore, Kiewit
Alexander Story, Kiewit
James Simasek, Kiewit
Jacob Fuerbringer, Kiewit
Kyle Atchley, Kiewit
Alexander Potash, Kiewit
Maximiliano Nada, Kiewit
Thaddeus Selby, Kiewit
Robert Weiner Jr, Kiewit

2/10/2021

20027795 - RFI-KIEWIT-RFI-000428 - Natural Gas Piping - 2" and smaller

Project: Franklin WRF Modification and Expansion Project
Subject: Natural Gas Piping - 2" and smaller

This RFI is submitted by Kiewit on behalf of JBS.
JBS requests the flexibility to use AIS threaded steel pipe and fittings on the natural gas systems for pipe sizes 2" and smaller. We have already submitted and received approval for the applicable threaded pipe and fittings, as they are required per the various equipment connection details. The use of threaded fittings increases the serviceability of the system and reduces the hot work at the facility. The systems will still be tested to the same requirements as a welded system.

Attachments: Natural Gas Piping - 2and smaller.htm
RFI428.pdf

Discipline: PIPE

Area: SOLIDS

Location: NEW

Proposed Solution:

Specification Reference: 15066 - Mill Grade Stainless Steel Pipe, Fittings and Specials

Drawing Reference:

Related RFI No(s):

Schedule Impact:

Cost Impact:

Priority: M - Medium

Originator's Reference No
:

Alt. Reference Number:

Response Required By:

RFI by: Alexandra Romero, Kiewit
Created By: Alexandra Romero, Kiewit
Last Edited By:

On: 04 February 2021
On: 04 February 2021, 04:04:13 PM -06:00
On:

01 - Engineer / Owner Comments

Request to utilize threaded steel pipe fittings for natural gas piping sizes 2" and smaller will be considered. Provide credit proposal for review.

Attachments: RFI 428 Response.pdf
Engineer / Owner Comments by: Paul Pouliot, CDM Smith
Created By: Tate Atha, CDM Smith
Last Edited By: Tate Atha, CDM Smith

On: 08 February 2021
On: 08 February 2021, 02:19:51 PM -06:00
On: 08 February 2021, 02:19:51 PM -06:00

2/10/2021

20027795 - RFI-KIEWIT-RFI-000428 - Natural Gas Piping - 2" and smaller

02 - Response Received / Closeout

02/08/21 MAB - No Drawings Listed to Markup

Response Received / Morgan Brewster, Kiewit
Closeout by:
Created By: Morgan Brewster, Kiewit
Last Edited By: Morgan Brewster, Kiewit

On: 08 February 2021

On: 08 February 2021, 03:56:33 PM -06:00

On: 08 February 2021, 03:56:33 PM -06:00

Links

Document Links:

Document No.	Title	Rev.	Sts	Disc.	From	From Company
RFI428	Natural Gas Piping - 2" and smaller	A	IFR	PIPE	Alexandra Romero	Kiewit



CP No. 78

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

March 29, 2021

CP-KIEWIT-00147.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: Change Proposal – Add Sidewalk at Headworks Odor Control Local Control Panels

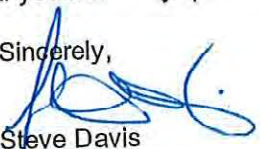
Dear Mr. Harris,

Please see attached Kiewit's proposal for **Change Proposal – Add Sidewalk at Headworks Odor Control Local Control Panels** in the amount of **One Thousand Four Hundred and Fifty-Two Dollars (\$1,452.00)**.

In consideration of the project receiving a favorable response from the Tennessee Department of Revenue regarding the broadening of the sales and use tax exemption, Kiewit has not included sales and use taxes on permanent materials provided within this cost proposal that are not covered by the current Industrial Machinery Sales and Use Tax Exemption Certificate. Should the project not receive a favorable ruling, sales and use taxes may need to be revisited for this cost proposal.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,


Steve Davis
Project Manager

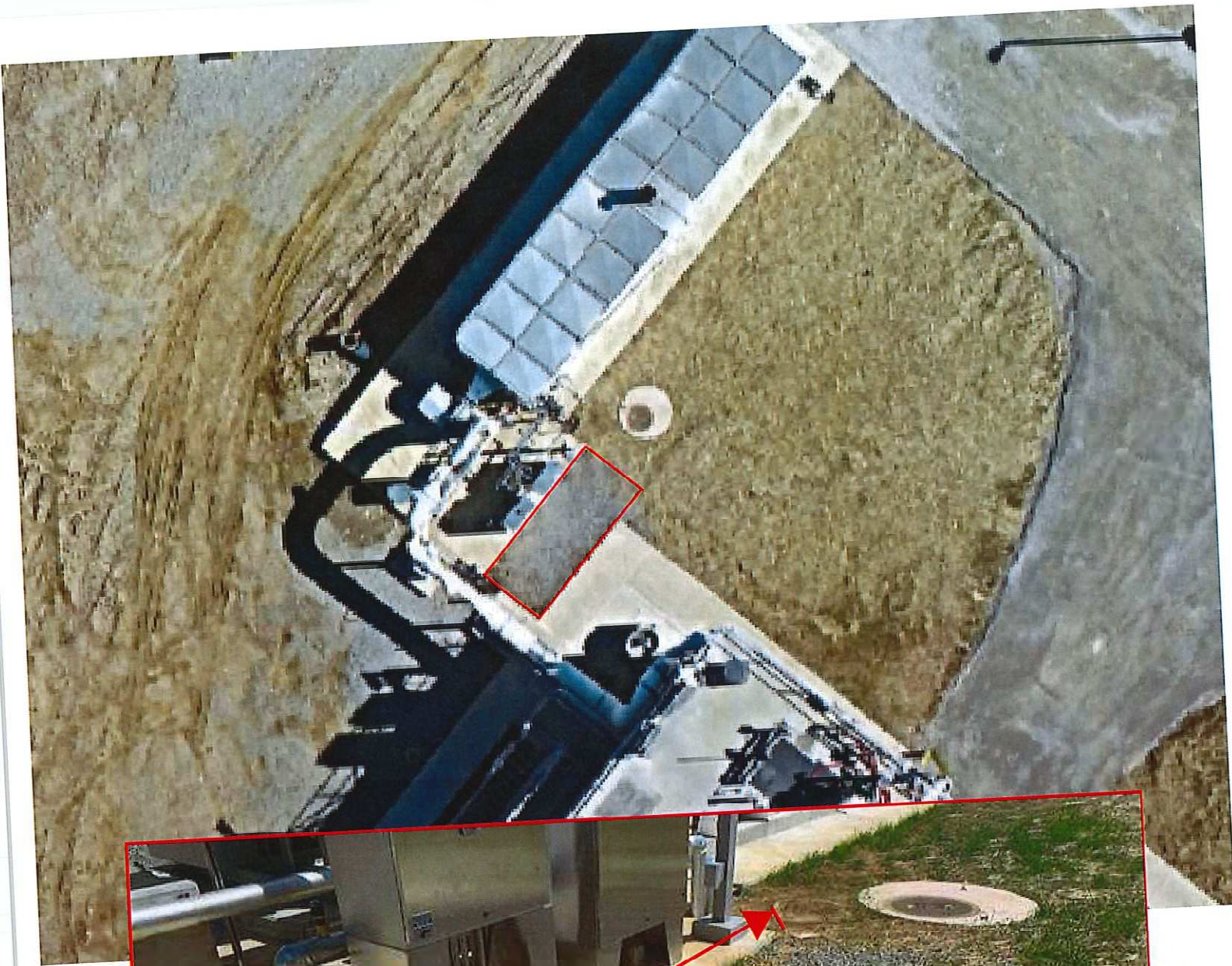
cc: File
Michelle Hatcher



CP: Add Sidewalk at Headworks Odor Control Local Control Panels

PREPARED BY: Drew Seisor

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		T
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Sidewalks																	
FRP	0.94	CY	85.00	40													
LABOR																	
Foreman	1.00	EA	12.00	12	\$ 60.15	\$ 60.15											
Operator	1.00	EA	4.00	4	\$ 48.38	\$ 48.38											
Carpenter	1.00	EA	12.00	12	\$ 55.34	\$ 55.34											
Laborer	1.00	EA	12.00	12	\$ 37.79	\$ 37.79											
MATERIAL																	
Concrete	0.94	CY							\$ 133.50	\$ 124.96							
Wire Mesh	75.83	SF							\$ 0.12	\$ 8.95							
#57 Stone Base	1.70	TN							\$ 18.00	\$ 30.60							
Forms	1.00	LS							\$ 100.00	\$ 100.00							
Expansion Board	24	LF							\$ 0.34	\$ 7.99							
Snap Caps	24	LF							\$ 0.18	\$ 4.32							
EQUIPMENT																	
CAT 315	4.00	HR									\$ 97.39	\$ 389.56					
SUBCONTRACTOR																	
Caulking	1.00	LS											\$ 150.00	\$ 150.00			
**Constructor Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																	
OTHER																	
SITs - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax. Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)																	
	40	MHR															
TAX: (9.75% of Material, Equipment, Other)																	
BOND (2% of total)																	
SUBTOTALS						\$ 201.66											
MARKUP %						15.00%											
SUBTOTALS WITH MARKUPS APPLIED						\$231.91											
BOND																	
TOTAL																	



Franklin WRF Modifications & Expansion Project
 City of Franklin, TN
 Job No.: 103925

Seller Name: lmi Tennessee LLC
 Material Contract No.: 103925-MC-064
 Contract ID No. 809941

EXHIBIT D

MATERIAL CONTRACT CHANGE ORDER

Job Name: Franklin WRF Modifications & Expansion Project

Job No. 103925

Material Contract No. 103925-MC-064

Company No. 1044

TO: (Seller's Name and Address)

IMI Tennessee LLC

2001 Antloch Pike

Nashville, TN 37013

Material Contract Change Order No. 1

FROM: (Contractor's Name and Address)

Kiewit Infrastructure South Co.

4405 International Blvd., NW, Suite C-101

Norcross, GA 30093

Pursuant to the "Changes" clause of the Material Contract, the following changes are made:

1. See approximate quantities in table below.

2.0 Including But Not Limited to:

- .1 The unit prices in the Schedule of Values are firm through February 28, 2021, and shall increase \$9.00 per cubic yard annually thereafter. Quantities may increase or decrease at Contractor's option. Seller shall be paid only for actual quantities received and verified by Contractor.
- .2 BOND(s): Not Required
- .3 Seller will provide 0% of the Seller's total contract dollar value in DBE participation.
- .4 Material is not exempt from sales or use taxes.
- .5 Seller shall attend and participate in Contractor's daily and/or weekly scheduling and coordination meetings as determined by the Contractor.
- .6 Seller shall submit a quality plan to Contractor prior to start of Work.
- .7 Seller shall provide all required material certifications or tests prior to or upon delivery of materials to site.
- .8 Contractor shall receive a ~~2%~~ ^{\$3.00} discount on all proper invoices paid within 10 days after Contractor's receipt.

8	Fiber Force	Lb	\$7.00	100	\$	700.00
9	Ice	Lb	\$0.40	3,150	\$	1,260.00
10	4500 N CF SStone SD	CY	\$123.50	150	\$	18,525.00
11	2500 A CF SStone SD	CY	\$104.00	100	\$	10,400.00
12	MRWR (Mid Range WR)	CY	\$5.00	50	\$	250.00
13	3500 A CF SStone SD	CY	\$124.50	90	\$	11,205.00
14	Winter Service Fee	Ea	\$4.00	300	\$	1,200.00
Total Contract Value					\$	717,265.00

SABER STEEL LLC

(Native American Owned; SDVOSB; ARDOT, ALDOT, KYDOT, MDOT, MODOT & TDOT DBE Certified)
A REBAR FABRICATION COMPANY

TO Bidding Contractors

DATE: 9/24/2020

ADDRESS

PROJECT: Franklin W.T.F.

UPDATED

LOCATION: Franklin, TN

CITY

THESE PRICES DO NOT INCLUDE ANY APPLICABLE TAX

Excludes: Weldable Bars, Galvanized Bar, Bar Supports and Accessories;
Have seen No Addendum; Drawings Dated 12/16/19

Sidewalks

40 Sheets 6X6 10/10 W.W.M. (8'-0" X 20'-0")

\$755.20

\$18.88 EA

160 SF

\$0.118 / SF

TOTAL **\$755.20**

Nathan Cortez
SABER STEEL LLC

BY Nathan Cortez

ACCESSORY PRICING AVAILABLE UPON REQUEST
THIS QUOTATION SUBJECT TO

ACCEPTANCE WITHIN 10 DAYS.

3638 Fite Road, Millington, TN 38053

P: (901) 334-4400

F: (901) 334-4077

Email: Keiven@sabersteel-llc.com

ALT EMAIL: Nathan@sabersteel-llc.com Page 258 of 378

Attachment A

Schedule of Values

Item	Description	Approx. Quantity	Unit of Measure	Unit Price	Total
		26,620.00	TN	\$ 18.00	\$ 479,160.00
1	TDOT 57 Stone	4,980.00	TN	\$ 12.50	\$ 62,250.00
2	TDOT Grade D	1,500.00	TN	\$ 21.00	\$ 31,500.00
3	Class A3 Rip Rap	850.00	TN	\$ 13.00	\$ 11,050.00
4	Surge Stone	200.00	TN	\$ 21.00	\$ 4,200.00
5	Class A1 Rip Rap	350.00	TN	\$ 17.75	\$ 6,212.50
6	2" to 3" Stone	200.00	TN	\$ 17.75	\$ 3,550.00
7	TDOT #4 Stone				
	Approximate Contract Total (without Taxes)				\$ 597,922.50
					\$ -
	Bond (0%)				

1.0 General Description of the "Work": Provide all supervision, labor, material tools and equipment to furnish and deliver aggregates of the type, at the unit prices, and up to the qty shown on the Schedule of Values.

- .1 FURNISH SECTIONS: 02230 - Granular Materials complete per plans, specifications, and addenda [Addenda 1-6];

Also includes in addition to the above, any other applicable and/or related specification sections, including but not limited to: Division 00 and Division 1 General Requirements

2.0 Including But Not Limited to:

- .1 The Contract price(s) are firm through 12/31/19.
- .2 Seller will provide _0_% of the Seller's total contract dollar value in DBE participation.
- .3 Material is not exempt from sales or use taxes.
- .4 **Industrial Machinery Sales and Use Tax Exemption Certificate – Attachment C-3 (per Specification Section 00800 Supplementary Conditions Article SC-6.10A).** Sales and Use Tax Exemption Certificate will be provided for the Project by the Contractor.
- .5 All Deliveries must include a material ticket recognizing the material and quantity delivered. Delivery Tickets to be signed by Contractor for validation of receipt and acceptance to pay for actual quantities delivered.

3.0 Clarifications:

- .1 Effective 1/1/20 Seller will institute a 3% increase per ton on all remaining aggregate through 12/31/20. An additional 3% increase will be effective per ton starting 1/1/21 through 12/31/21.
- .2 Delivered prices are based on full loads (20 ton or more) a minimum haul may be applied for smaller loads.

HDSUPPLY®

CONSTRUCTION & INDUSTRIAL
WHITE CAP

ON ACCOUNT



853 - Nashville
925 Fesslers Lane
Nashville, TN, 37210
(615) 242-8139

QUOTE

39995544

Sold To: 10000220585
KIEWIT 1014 103927
PO BOX 452500
Omaha, NE, 68145

Ship To: FRANKLIN WRF PROJECT, 10002256523
135 CLAUDE YATES DRIVE
CHARLTON GREEN, TN, 37064
Job Site Contact: GREG BEHNING 339-205-4008
Job Site Phone:
Map #:

09:50 AM

Ordered By: GREG BEHNING 339-205-4008

Contact Phone:

Quote Number		Quote Date	Valid Until	Request Date	Sales Person	
39995544		10/21/2020	11/20/2020	10/21/2020	Ambrose, J	
Terms		Shipping Method	Quote Name	Customer PO	Created By	
N30D			1/2" FIBER EXPANSION JOINT		Ambrose, J	
SEQ	Part# H/M	Description	Ord Quantity	U/M Unit WT	Price COO	Amount
10	199EB124010	1/2"X4"X10' FIBER EXPANSION BOARD 100FT/BUNDLE	250	FT .3175 LBS	\$0.34	\$85.00

Shipped amount	\$85.00
Order charges	\$0.00
Tax amount	\$7.86
Lumber Tax rate/amount	1.00 %
Quote total	\$92.86

Shipped Weight: 79.38 Customer acceptance signature: _____ Date : _____

ALL ITEMS AND QUANTITIES REQUIRE CUSTOMER REVIEW AND APPROVAL
AVAILABILITY AND LEAD TIMES ARE SUBJECT TO CHANGE
SPECIAL ORDERED ITEMS ARE SUBJECT TO MANUFACTURER APPROVAL PRIOR TO RETURN.
QUOTE IS SUBJECT TO EXPIRATION AS INDICATED IN THE ABOVE 11/20/2020 DATE.

Rental Rate Blue Book®

Caterpillar 315F L
Crawler Mounted Hydraulic Excavators



Size Class:
16.1 - 19.0 MTons
Weight:
N/A

Configuration for 315F L

Bucket Capacity - Heaped	1 cu yd	Net Horsepower	97 hp
Operating Weight	36340 lbs	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$9,430.00	USD \$2,640.00	USD \$660.00	USD \$99.00	USD \$39.63	USD \$93.21
Adjustments						
Region (Franklin, Tennessee: 107.8%)	USD \$735.54	USD \$205.92	USD \$51.48	USD \$7.72		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$39.63	USD \$97.39
Total:	USD \$10,165.54	USD \$2,845.92	USD \$711.48	USD \$106.72		

Non-Active Use Rates

Standby Rate
Idling Rate

Hourly
USD \$30.61
USD \$68.45

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	37%	USD \$3,489.10/mo
Overhaul (ownership)	46%	USD \$4,337.80/mo
CFC (ownership)	10%	USD \$943.00/mo
Indirect (ownership)	6%	USD \$565.80/mo
Fuel (operating) @ USD 3.07	27%	USD \$10.69/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)



Kiewit

CP No. 79

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

March 25, 2021

To: Attn: Mr. Dan Harris

CP-KIEWIT-00146.00

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: RE. CP-134 – PLC 1, 3 and 3A Consolidation

Dear Mr. Harris,

Attached you will find Kiewit's proposal for **CP 134 – PLC 1, 3 and 3A Consolidation**. Please refer to the attached pages of this proposal for description of the work and the cost breakdown. Our Lump Sum Pricing is **Seven Thousand Six Hundred Twenty Dollars \$7,620.00**.

In consideration of the project receiving a favorable response from the Tennessee Department of Revenue regarding the broadening of the sales and use tax exemption, Kiewit has not included sales and use taxes on permanent materials provided within this cost proposal that are not covered by the current Industrial Machinery Sales and Use Tax Exemption Certificate. Should the project not receive a favorable ruling, sales and use taxes may need to be revisited for this cost proposal.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher

PLC-1, 3, 3A Programming & Hardware Consolidation

Franklin WRF Modifications and Expansion Project
March 23, 2021

The purpose of the plan is to organize a section of the controls system network, PLC and termination points. The PLC locations effected by this plan are PLC-1, PLC-3 and PLC-3A. The proposal reduces PLC hardware and consolidates programming logic into a common processor. Consolidating the programming into one processor will ultimately make a more reliable system while freeing up unneeded PLC components for use as spare equipment. As witnessed in the recent case of the power supply failure at PLC-8, having spare components on hand can be an advantage for the city. Additionally, the location of PLC-3 seems to have serious moisture issues. By moving the existing I/O and programming into PLC-3A, the panel at PLC-3 would only be used as a marshalling cabinet. This would alleviate the concern of hardware faults caused by moisture at this location.

The systems / equipment that would be consolidated from PLC-1 and PLC-3 to PLC-3A are the:

- Existing blowers 1 and 2 -- Moved from PLC-1
- New blowers 3 and 4 -- Moved from PLC-3
- RAS 1 and 2 and WAS flow meters -- Moved from PLC-3
- Mixer 1 through 4 and aerator 1 through 6 run status -- Moved from PLC-3
- Clarifier 5 through 8, scum pumps 1 through 3 and RAS pumps 8 through 11 run status -- Moved from PLC-3

This result of this movement would be the following:

- PLC-1 processing would be performed at PLC-3A, Dropping PLC-1 hardware entirely.
 - PLC-1 location would still serve as a Fiber Optic junction and network hub
- PLC-3 I/O and Programming would be moved to PLC-3A
 - A new enclosure will be installed at PLC-3 and used as a marshalling cabinet.
 - New conduit would be installed between PLC-3A and the new enclosure that previously housed PLC-3
 - Existing I/O would be extended into PLC-3A
 - One digital input card and associated wiring/terminal blocks would be added to PLC-3A
- Convert Blower PLCs to Ethernet and connect to the network at PLC-2 via fiber optic cable. (communication would still be achieved through PLC-3A processor to ensure programming remains as simple as possible)
- The costs for this work would be covered by using new equipment not needed at PLC-1 and swapping for the equipment needed at the existing blowers. The following chart in appendix 1 describes this change and describes the spares that will be turned over to the Owner.
- Electrical work performed by WJG:
 - Install a duct bank from the existing Blower-1 and Blower-2 to the new manhole CMH-2.
 - Install a fiber optic cable (6 pair) from the existing blowers through CM-2 to PLC-2 and join the existing network
 - The scope and cost of the work is in appendix 2

The benefits of the proposal are summarized below:

- Streamlined programming
- Equipment reliability in improved location
- Acquiring spare SCADA / control equipment without using the spare parts budget



Page 264 of 378

PREPARED BY: Mark Renwick

[illegible]

C2i

Blower Control Consolidation Into PLC-3A

(Spare Parts and Budget Planning)

Budget Removed from PLC-1 and used for Consolidation Budget	
2 1769-IA16	(\$455.00)
1 1769-IF8	(\$625.00)
1 1769-PA4	(\$360.00)
1 1769-ECR	(\$30.00)
Budget Removed from PLC-3 and used for Consolidation Budget	
2 1769-IA16 (16 Point 120VAC Digital Input Card)	(\$455.00)
Total Budget (\$1,925.00)	

Material Removed from PLC-3 to be repurposed	
2 Fiber SFP	No Cost
2 Fiber Patch Cables	
2 Fiber Connector Plates	
24 ST Fiber Connectors	No Cost

Material Removed from PLC-1 and handed over as spare	
1 1769-L33ER (PLC Processor)	No Cost

Material Removed from PLC-3 and handed over as spare	
1 1769-L33ER (PLC Processor)	No Cost
1 1769-IA16 (16 Point 120VAC Digital Input Card)	
1 1769-IF8 (8 Channel Analog Input Card)	
1 1769-PA4 (PLC Power Supply)	
1 1769-ECR (PLC Terminating Endcap (Right))	
1 24VDC Power Supply	
1 Ethernet Switch	
1 Fiber Patch Panel	

Material repurposed from PLC-3 to PLC-2	
2 Fiber SFP	No Cost
2 Fiber Patch Cables	
2 Fiber Connector Plates	
12 ST Fiber Connectors	No Cost

Material Purchased for Blower 1 to be used for Consolidation Budget	
1 1763-L16BWA	\$723.00
1 Media Converter	\$200.00
1 3' Fiber Patch Cable	\$5.00
1 3' Ethernet Patch Cable	\$5.00
Cost at Blower 1 \$933.00	

Material Purchased for Blower 2 to be used for Consolidation Budget	
1 1763-L16BWA	\$723.00
1 Media Converter	\$200.00
1 50' Fiber Patch Cable	\$10.00
1 3' Fiber Patch Cable	\$5.00
1 3' Ethernet Patch Cable	\$5.00
Cost at Blower 2 \$943.00	

Total Cost \$1,876.00



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

March 18, 2021

VIA EMAIL ONLY: Steven.Davis1@kiewit.com

Mr. Steven Davis, Project Manager
Kiewit
135 Claude Yates Drive
Franklin, TN 37064

RE: Job #6198 - Franklin WRF Mods and Exp, Franklin, TN
Proposal #51

Dear Mr. Davis:

Wayne J. Griffin Electric, Inc. ("WJGEI") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

This proposal is for new fiber optic cable to the existing BNR Blowers Local Control Panels. This is for installation of fiber only. Fiber termination by others.

Material	\$ 3,081.12
Labor	3,239.76
Overhead & Profit	948.13
Subtotal	\$ 7,269.01
Bond	37.07
Total	\$ 7,306.08

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us. The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

Corporate Headquarters:

116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:

296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

1950 Evergreen Boulevard
Suite 300
Duluth, GA 30096
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273

Phone: (704) 522-3851
Fax: (704) 522-3856

Mr. Steven Davis
March 18, 2021
Page 2

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (205) 733-8848 ext. 6175 or troberson@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Timothy R. Roberson
Project Manager

TRR/hat

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: Calvin Mize, Regional Manager, Wayne J. Griffin Electric, Inc.



116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251

CCN#: P-0051, New Fiber to Existing Blowers
Date: 3/17/2021
Project Name: Franklin WRF Mods and Exp
Project Number: 06198-00-18
Page Number: 1

Work Description

This proposal is for new fiber optic cable to the existing BNR Blowers Local Control Panels. This is for installation of fiber only. Fiber termination by others.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
As Builts	0.00	0.0000	HRS	0.000	0.000	0.950
Cleanup	0.00	0.0000	HRS	0.000	0.000	0.950
Tools	0.00	0.0000	HRS	0.000	0.000	1.140
Field Safety/JHA	0.00	0.0000	HRS	0.000	0.000	0.950
Supervision	0.00	0.0000	HRS	0.000	0.000	1.890
Project Controls	0.00	0.0000	HRS	0.000	0.000	1.890
12-STRAND MM FIBER	410.00	1.8300	FT	750.300	0.020	8.200
2" PVC SCHEDULE 80	120.00	4.0274	FT	483.290	0.084	10.080
1" ALUMINUM CONDUIT	80.00	8.2224	FT	657.790	0.060	4.800
2" ALUMINUM CONDUIT	10.00	17.8780	FT	178.780	0.080	0.800
1" ALUMINUM 90D ELBOW	4.00	14.7550	EA	59.020	0.350	1.400
2" ALUMINUM 90D ELBOW	2.00	45.8100	EA	91.620	0.750	1.500
1" ALUM COUPLING	8.00	4.5838	EA	36.670	0.400	3.200
2" ALUM COUPLING	1.00	9.1800	EA	9.180	0.700	0.700
1" MYERS HUBS ALUMINUM	4.00	5.3500	EA	21.400	0.000	0.000
2" MYERS HUBS ALUMINUM	2.00	9.9000	EA	19.800	0.000	0.000
3/8 x 2 3/4" WEDGE ANCHOR (SS)	4.00	3.2500	EA	13.000	0.220	0.880
1/4 X 1 1/4" FENDER WASHER (SS)	12.00	0.2125	EA	2.550	0.001	0.014
3/8 X 1 1/4" FENDER WASHER (SS)	12.00	0.8000	EA	9.600	0.000	0.000
1/4-20 x 1" MACHINE SCREWS (SS)	14.00	0.4836	EA	6.770	0.070	0.980
3/8-16 x 1" MACHINE SCREWS (SS)	4.00	0.8000	EA	3.200	0.075	0.300
1/4-20 HEX NUTS (SS)	12.00	0.0958	EA	1.150	0.024	0.288
3/8-16 HEX NUTS (SS)	4.00	0.1625	EA	0.650	0.036	0.144
1 5/8" X 1 5/8" 12 GAUGE 1 5/8 X 1 5/8 SLOT 10' STRUT (SS)	20.00	11.9160	FT	238.320	0.123	2.450
P2343RSS SS U-STRUT 90d WING 4 HOLES	2.00	20.0000	EA	40.000	0.024	0.048
1" RIGID STRUT CLAMP ALUMINUM	10.00	0.8780	EA	8.780	0.030	0.300
12X12X6 T304 S-STL LIFT OFF CVR N4X	1.00	449.2500	EA	449.250	1.750	1.750
Totals				3,081.12		45.60
Tax				0.00		
Materials with				3,081.12		

Summary

	Itemized Breakdown Total		3,081.12
Elect. Journeyman	(45.6044 hrs @ \$71.04 / hr)	3,239.74	
			3,239.74
Overhead & Profit	(\$6,320.88 @ 15.00%)	948.13	
		948.13	
Bond	(\$7,269.01 @ 0.51%)	37.07	
		37.07	
			985.20
Total			\$7,306.08



Kiewit

CP No. 83

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

March 26, 2021

CP-KIEWIT-00145.00

To: Attn: Mr. Dan Harris

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: RFI 429 – Existing 36" Influent Line Elevation and Road Subgrade

Dear Mr. Harris,

Attached you will find Kiewit's cost proposal for **RFI 429 – Existing 36" Influent Line Elevation and Road Subgrade** in the amount of **Ten Thousand Seven Hundred Twenty-Four (\$10,724.00)**.

In consideration of the project receiving a favorable response from the Tennessee Department of Revenue regarding the broadening of the sales and use tax exemption, Kiewit has not included sales and use taxes on permanent materials provided within this cost proposal that are not covered by the current Industrial Machinery Sales and Use Tax Exemption Certificate. Should the project not receive a favorable ruling, sales and use taxes may need to be revisited for this cost proposal.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,



Steve Davis
Project Manager

cc: File
Michelle Hatcher



RFI NO.: 429 - Existing 36" Influent Line Elevation and Road Subgrade

PREPARED BY: Alexander Potash

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		CONST. EQUIPMENT		SUBCONTRACT		OTHER		TOTAL AMOUNT
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Labor Cost	33.00	LF			\$ 60.15	\$ 661.65	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Foreman	1.00	EA	11.00	11.0	\$ 37.79	\$ 1,133.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,133.73
Laborer	3.00	EA	10.00	30.0	\$ 42.26	\$ 422.60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 422.60
Excavator Operator	1.00	EA	10.00	10.0	\$ 211.30	\$ 211.30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 211.30
Loader Operator	1.00	EA	5.00	5.0	\$ 42.26	\$ 211.30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 211.30
Materials					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TDOT Grade D	156.00	TN			\$ -	\$ -	\$ -	\$ -	\$ 12.50	\$ 1,950.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,950.00
Concrete Block for Cut and Cap	2.00	EA			\$ -	\$ -	\$ -	\$ -	\$ 558.00	\$ 558.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 558.00
2500 PSI Concrete for Capping Pipe	5.80	CY			\$ -	\$ -	\$ -	\$ -	\$ 113.00	\$ 655.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 655.40
Equipment Cost					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Caterpillar 335	10.00	HR	1.00	10.0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 174.74	\$ 1,747.40	\$ -	\$ -	\$ -	\$ -	\$ 1,747.40
Caterpillar 950M	5.00	HR	1.00	5.0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 96.25	\$ 481.25	\$ -	\$ -	\$ -	\$ -	\$ 481.25
Foreman Truck - Ford F-250	11.00	HR	1.00	11.0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30.28	\$ 333.08	\$ -	\$ -	\$ -	\$ -	\$ 333.08
Walk Behind Compactor	10.00	HR	1.00	10.0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37.93	\$ 379.30	\$ -	\$ -	\$ -	\$ -	\$ 379.30
**Construction Equipment Ownership & Operating Costs are based on Blue Book FHWA Rates.																	
OTHER					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
STS - small tools, consumables, safety equip, (\$5 per Direct Manhour, plus 9.75% sales tax: Formula = Total Direct Labor Manhour Subtotal * \$5.00 * 1.0975)																	
	92	MHR		92.0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TAX: (9.75% of Material, Equipment, Other)					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
BOND (2% of total)					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTALS					\$ 2,429.25	\$ 2,429.25	\$ -	\$ -	\$ 3,163.40	\$ 3,163.40	\$ 3,227.78	\$ 3,227.78	\$ -	\$ -	\$ -	\$ -	\$ 6,818.43
MARKUP %					\$ 15,000	\$ 15,000	\$ -	\$ -	\$ 3,637.91	\$ 3,637.91	\$ 3,711.95	\$ 3,711.95	\$ -	\$ -	\$ -	\$ -	\$ 7,349.77
SUBTOTALS WITH MARKUPS APPLIED					\$ 2,793.04	\$ 2,793.04	\$ -	\$ -	\$ 3,637.91	\$ 3,637.91	\$ 3,711.95	\$ 3,711.95	\$ -	\$ -	\$ -	\$ -	\$ 10,142.90
BOND					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Kiewit Infrastructure South Co
Hourly Rates (Confidential)
2021 Breakdown of Craft Wage Burden Rates

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Project No: 103925

Wage Type	Foreman		Dozer		Loader/Roller		Forklift/Crane		Excavator		Pipelayer		Laborer	
	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages	\$ 40.00	\$ 60.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 30.00	\$ 45.00	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 24.00	\$ 36.00
PTO Burden	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
Tax Burden	\$ 3.07	\$ 4.60	\$ 2.52	\$ 3.67	\$ 2.15	\$ 3.22	\$ 2.52	\$ 3.67	\$ 2.15	\$ 3.22	\$ 2.15	\$ 3.22	\$ 1.84	\$ 2.76
Retirement Burden	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66
Health Burden	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73
Insurance Burden	\$ 1.61	\$ 2.42	\$ 1.32	\$ 1.93	\$ 1.13	\$ 1.69	\$ 1.32	\$ 1.93	\$ 1.13	\$ 1.69	\$ 1.13	\$ 1.69	\$ 0.97	\$ 1.45
Additional Wages	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ 2.85	\$ 2.85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subsistence	\$ 12.84	\$ 12.84	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35
Total	\$ 60.15	\$ 82.49	\$ 47.67	\$ 64.43	\$ 42.26	\$ 57.89	\$ 47.67	\$ 64.43	\$ 42.26	\$ 57.89	\$ 42.26	\$ 57.89	\$ 37.79	\$ 51.19

Wage Type	Pipefitter (Foreman)		Pipefitter		Millwright		Carpenter (Building)		Carpenter (Heavy)		Iron Worker (Building)		Iron Worker (Heavy)	
	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT	Straight	OT
Labor - Base Wages	\$ 38.55	\$ 57.83	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16	\$ 28.00	\$ 42.00	\$ 28.00	\$ 42.00	\$ 36.55	\$ 54.83	\$ 26.77	\$ 40.16
PTO Burden	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
Tax Burden	\$ 4.22	\$ 5.69	\$ 4.06	\$ 5.46	\$ 3.05	\$ 4.07	\$ 2.15	\$ 3.22	\$ 3.05	\$ 4.12	\$ 4.06	\$ 5.46	\$ 3.05	\$ 4.07
Retirement Burden	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66
Health Burden	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73
Insurance Burden	\$ 2.22	\$ 2.99	\$ 2.13	\$ 2.87	\$ 1.60	\$ 2.14	\$ 1.13	\$ 1.69	\$ 1.60	\$ 2.16	\$ 2.13	\$ 2.87	\$ 1.60	\$ 2.14
Additional Wages	\$ 16.42	\$ 16.42	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94	\$ -	\$ -	\$ 11.71	\$ 11.71	\$ 16.42	\$ 16.42	\$ 12.94	\$ 12.94
Subsistence	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35
Total	\$ 72.38	\$ 93.91	\$ 70.15	\$ 90.56	\$ 55.34	\$ 70.29	\$ 42.26	\$ 57.89	\$ 55.34	\$ 70.97	\$ 70.15	\$ 90.56	\$ 55.34	\$ 70.29

Wage Type	Survey		Electrician	
	Straight	OT	Straight	OT
Labor - Base Wages	\$ 33.00	\$ 49.50	\$ 25.94	\$ 38.91
PTO Burden	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
Tax Burden	\$ 2.53	\$ 3.80	\$ 2.95	\$ 3.95
Retirement Burden	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66
Health Burden	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73
Insurance Burden	\$ 1.33	\$ 1.99	\$ 1.55	\$ 2.07
Additional Wages	\$ -	\$ -	\$ 12.55	\$ 12.55
Subsistence	\$ 8.35	\$ 8.35	\$ 8.35	\$ 8.35
Total	\$ 47.84	\$ 66.27	\$ 53.97	\$ 68.46

Attachment A

Schedule of Values

Item	Description	Approx. Quantity	Unit of Measure	Unit Price	Total
1	TDOT 57 Stone	26,620.00	TN	\$ 18.00	\$ 479,160.00
2	TDOT Grade D	4,980.00	TN	\$ 12.50	\$ 62,250.00
3	Class A3 Rip Rap	1,500.00	TN	\$ 21.00	\$ 31,500.00
4	Surge Stone	850.00	TN	\$ 13.00	\$ 11,050.00
5	Class A1 Rip Rap	200.00	TN	\$ 21.00	\$ 4,200.00
6	Class A1 Rip Rap	350.00	TN	\$ 17.75	\$ 6,212.50
7	2" to 3" Stone	200.00	TN	\$ 17.75	\$ 3,550.00
	TDOT #4 Stone				
	Approximate Contract Total (without Taxes)				\$ 597,922.50
					\$ -
	Bond (0%)				

1.0 General Description of the "Work": Provide all supervision, labor, material tools and equipment to furnish and deliver aggregates of the type, at the unit prices, and up to the qty shown on the Schedule of Values.

- .1 FURNISH SECTIONS: 02230 - Granular Materials complete per plans, specifications, and addenda [Addenda 1-6];

Also includes in addition to the above, any other applicable and/or related specification sections, including but not limited to: Division 00 and Division 1 General Requirements

2.0 Including But Not Limited to:

- .1 The Contract price(s) are firm through 12/31/19.
- .2 Seller will provide _0_% of the Seller's total contract dollar value in DBE participation.
- .3 Material is not exempt from sales or use taxes.
- .4 **Industrial Machinery Sales and Use Tax Exemption Certificate – Attachment C-3 (per Specification Section 00800 Supplementary Conditions Article SC-6.10A).** Sales and Use Tax Exemption Certificate will be provided for the Project by the Contractor.
- .5 All Deliveries must include a material ticket recognizing the material and quantity delivered. Delivery Tickets to be signed by Contractor for validation of receipt and acceptance to pay for actual quantities delivered.

3.0 Clarifications:

- .1 Effective 1/1/20 Seller will institute a 3% increase per ton on all remaining aggregate through 12/31/20. An additional 3% increase will be effective per ton starting 1/1/21 through 12/31/21.
- .2 Delivered prices are based on full loads (20 ton or more) a minimum haul may be applied for smaller loads.



WHITE CAP®

HD Supply Construction Supply, Ltd.
PO Box 4944, Orlando, FL 32802-4944

BRANCH ADDRESS
711 - IRVING
(972) 438-3323
2215 E. GRAUWYLER
IRVING TX 75061
DALLAS

INVOICE

INVOICE NUMBER
50014860538
INVOICE DATE
01/14/2021
CUSTOMER PO NUMBER
4502289527

ENROLLMENT TOKEN: PFH XBK SSD

SOLD TO: 10000261171

TERRITORY:

SHIP TO: 10002332086

PLEASE REMIT PAYMENT TO:

HD SUPPLY CONSTRUCTION AND
INDUSTRIAL - WHITE CAP
P.O. BOX 6040
CYPRESS, CA 90630-0040

KIEWIT 1044 103925
PO BOX 452500
OMAHA NE 68145

FRANKLIN WRF MOD & EXPANSION-103925
135 CLAUDE YATES DR
FRANKLIN TN 37064

ORDER DATE		ORDER NO.	ORDERED BY	ACCOUNT MANAGER		TAKEN BY			
01/13/2021		40936451	BRISTYL BAKER	AMBROSE, JIMMY W		GODINEZ, JERRY			
BRANCH		ACCT JOB NO.	TERMS	SHIP VIA / ROUTING			CUSTOMER JOB NO.		
711		10002332086	NET 30 DAYS	FEDEX FREIGHT PRIORITY-LTL-GROUND			103925		
LINE	PART NUMBER	DESCRIPTION		QTY ORD	UNIT PRICE	QTY BKO	QTY SHP	EXTENDED PRICE	TAX AMT
0	HDRDESC	***** DELIVERY TAG#: 16724321 *****		1	0	0	1	0.00	
1	132CWD300	3" DOBIE WITH WIRE 7773055021 FEDEX FREIGHT		750	0.40 EA	0	750	300.00	29.25
2	SHIPPING	SHIPPING AND HANDLING		1	208.43 EA	0	1	208.43	20.32

THESE ITEMS ARE CONTROLLED BY THE U.S. GOVERNMENT AND AUTHORIZED FOR EXPORT ONLY TO THE COUNTRY OF ULTIMATE DESTINATION FOR USE BY THE ULTIMATE CONSIGNEE OR END-USER(S) HEREIN IDENTIFIED. THEY MAY NOT BE RESOLD, TRANSFERRED OR OTHERWISE DISPOSED OF TO ANY OTHER COUNTRY OR ANY PERSON OTHER THAN THE AUTHORIZED ULTIMATE CONSIGNEE OR END-USER(S), EITHER IN THEIR ORIGINAL FORM OR AFTER BEING INCORPORATED INTO OTHER ITEMS, WITHOUT FIRST OBTAINING APPROVAL FROM THE U.S. GOVERNMENT OR AS OTHERWISE AUTHORIZED BY U.S. LAW AND REGULATIONS.

For questions regarding this invoice please call 1-866-857-0295.

NO REFUNDS OR EXCHANGES ON NON STOCK MERCHANDISE
Visit <https://www.whitecap.com/shop/wc/terms-and-conditions-of-sale> to view complete terms and conditions.

SIGNATURE COPY ON FILE

RECEIVED BY: DWIGHT RIGBY

TOTAL GROSS	508.43
TOTAL TAX	49.57
TOTAL SHIPPING AND HANDLING	0.00
TOTAL INVOICE	558.00

Franklin WRF Modifications & Expansion Project
City of Franklin, TN
Job No.: 103925

Seller Name: Imi Tennessee LLC
Material Contract No.: 103925-MC-064
Contract ID No. 809941

EXHIBIT D
MATERIAL CONTRACT CHANGE ORDER

Job Name: Franklin WRF Modifications & Expansion Project

Job No. 103925

Material Contract No. 103925-MC-064

Company No. 1044

TO: (Seller's Name and Address)

IMI Tennessee LLC

2001 Antioch Pike

Nashville, TN 37013

Material Contract Change Order No. 1

FROM: (Contractor's Name and Address)

Klewit Infrastructure South Co.

4405 International Blvd., NW, Suite C-101

Norcross, GA 30093

Pursuant to the "Changes" clause of the Material Contract, the following changes are made:

1. See approximate quantities in table below.

2.0 Including But Not Limited to:

1. The unit prices in the Schedule of Values are firm through February 28, 2021, and shall increase \$9.00 per cubic yard annually thereafter. Quantities may increase or decrease at Contractor's option. Seller shall be paid only for actual quantities received and verified by Contractor.
2. BOND(s): Not Required
3. Seller will provide 0% of the Seller's total contract dollar value in DBE participation.
4. Material is not exempt from sales or use taxes.
5. Seller shall attend and participate in Contractor's daily and/or weekly scheduling and coordination meetings as determined by the Contractor.
6. Seller shall submit a quality plan to Contractor prior to start of Work.
7. Seller shall provide all required material certifications or tests prior to or upon delivery of materials to site.
8. Contractor shall receive a ~~3%~~ ^{\$13.00} discount on all proper invoices paid within 10 days after Contractor's receipt.

8	Fiber Force	Lb	\$7.00	100	\$	700.00
9	Ice	Lb	\$0.40	3,150	\$	1,260.00
10	4500 N CF SStone SD	CY	\$123.50	150	\$	18,525.00
11	2500 A CF SStone SD	CY	\$104.00	100	\$	10,400.00
12	MRWR (Mid Range WR)	CY	\$5.00	50	\$	250.00
13	3500 A CF SStone SD	CY	\$124.50	90	\$	11,205.00
14	Winter Service Fee	Ea	\$4.00	300	\$	1,200.00
Total Contract Value					\$	717,265.00

Rental Rate Blue Book®

Caterpillar 335F L CR Crawler Mounted Hydraulic Excavators



Size Class:
40.1 - 50.0 MTons
Weight:
N/A

Configuration for 335F L CR

Bucket Capacity - Heaped	2.2 cu yd	Net Horsepower	199.8 hp
Operating Weight	84604.6 lbs	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$16,435.00	USD \$4,600.00	USD \$1,150.00	USD \$175.00	USD \$74.08	USD \$167.46
Adjustments						
Region (Franklin, Tennessee: 107.8%)	USD \$1,281.93	USD \$358.80	USD \$89.70	USD \$13.65		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					USD \$74.08	
Total:	USD \$17,716.93	USD \$4,958.80	USD \$1,239.70	USD \$188.65	USD \$74.08	USD \$174.74

Non-Active Use Rates

Standby Rate	Hourly USD \$53.35
Idling Rate	Hourly USD \$126.34

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	37%	USD \$6,080.95/mo
Overhaul (ownership)	46%	USD \$7,560.10/mo
CFC (ownership)	10%	USD \$1,643.50/mo
Indirect (ownership)	6%	USD \$986.10/mo
Fuel (operating) @ USD 3.07	35%	USD \$25.68/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Caterpillar 950M

4-Wd Articulated Wheel Loaders

Size Class:

225 - 249 HP

Weight:

N/A



Configuration for 950M

Bucket Capacity - Heaped
Operator Protection

12.0 cu yd
ROPS/FOPS

Net Horsepower
Power Mode

230.0 hp
Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$8,485.00	USD \$2,375.00	USD \$595.00	USD \$89.00	USD \$44.81	USD \$93.02
Adjustments						
Region (Franklin, Tennessee: - 106.7%)	USD \$568.49	USD \$159.13	USD \$39.87	USD \$5.96		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$9,053.50	USD \$2,534.13	USD \$634.86	USD \$94.96	USD \$44.81	USD \$96.25

Non-Active Use Rates

Standby Rate

Idling Rate

Hourly

USD \$32.41

USD \$74.10

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	41%	USD \$3,478.85/mo
Overhaul (ownership)	37%	USD \$3,139.45/mo
CFC (ownership)	12%	USD \$1,018.20/mo
Indirect (ownership)	10%	USD \$848.50/mo
Fuel (operating) @ USD 3.07	51%	USD \$22.66/hr

Revised Date: 1st half 2020

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The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

Ford F-250

On-Highway Light Duty Trucks

Size Class:

300 HP & Over

Weight:

N/A



Configuration for F-250

Axle Configuration	4.0 X 4.0	Cab Type	Crew
Horsepower	385.0 hp	Power Mode	Gasoline
Ton Rating	3.0 / 4.0		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$1,035.00	USD \$290.00	USD \$73.00	USD \$11.00	USD \$23.93	USD \$29.81
Adjustments						
Region (Franklin, Tennessee: 108%)	USD \$82.80	USD \$23.20	USD \$5.84	USD \$0.88		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$1,117.80	USD \$313.20	USD \$78.84	USD \$11.88	USD \$23.93	USD \$30.28

Non-Active Use Rates

	Hourly
Standby Rate	USD \$4.64
Idling Rate	USD \$25.66

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	54%	USD \$558.90/mo
Overhaul (ownership)	27%	USD \$279.45/mo
GFC (ownership)	7%	USD \$72.45/mo
Indirect (ownership)	12%	USD \$124.20/mo
Fuel (operating) @ USD 2.51	81%	USD \$19.31/hr

Revised Date: 1st half 2020

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(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®
Wacker RT820 (disc. 2011)

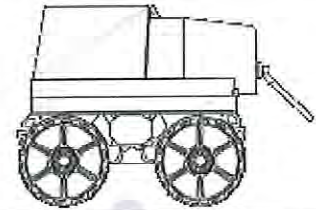
Trench Compactors

Size Class:

26 - 34 Inches

Weight:

3020 lbs


Configuration for RT820 (disc. 2011)

Drum Width	32.0 in	Net Horsepower	18.0 hp
Number Of Drums	4.0	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$4,125.00	USD \$1,155.00	USD \$290.00	USD \$44.00	USD \$12.90	USD \$36.34
Adjustments						
Region (Franklin, Tennessee: 106.8%)	USD \$280.50	USD \$78.54	USD \$19.72	USD \$2.99		
Model Year (2011: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$4,405.50	USD \$1,233.54	USD \$309.72	USD \$46.99	USD \$12.90	USD \$37.93

Non-Active Use Rates

Hourly

Standby Rate	USD \$11.51
Idling Rate	USD \$27.27

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	32%	USD \$1,320.00/mo
Overhaul (ownership)	54%	USD \$2,227.50/mo
CFC (ownership)	7%	USD \$288.75/mo
Indirect (ownership)	7%	USD \$288.75/mo
Fuel (operating) @ USD 3.07	17%	USD \$2.24/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)



Kiewit

CP No. 82

Kiewit Infrastructure South Co.
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

March 31, 2021

To: Attn: Mr. Dan Harris

CP-KIEWIT-00149.00

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: Change Proposal – Blower Conductors – Reduced Conductor Size

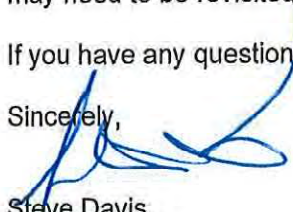
Dear Mr. Harris,

Attached you will find Kiewit's credit proposal for **Change Proposal – Blower Conductors – Reduced Conductor Size**. Kiewit offers a credit of **Eighteen Thousand Two Hundred Seventy Dollars (\$18,270.00)**.

In consideration of the project receiving a favorable response from the Tennessee Department of Revenue regarding the broadening of the sales and use tax exemption, Kiewit has not included sales and use taxes on permanent materials provided within this cost proposal that are not covered by the current Industrial Machinery Sales and Use Tax Exemption Certificate. Should the project not receive a favorable ruling, sales and use taxes may need to be revisited for this cost proposal.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,


Steve Davis
Project Manager

cc: File
Michelle Hatcher



Klowl

Page 280 of 378

CP: Blower Conductors - Reduced Conductor Size

PREPARED BY: Galileo Rivera-Tobar

[illegible]



March 30, 2021

VIA EMAIL ONLY: Steven.Davis1@kiewit.com

Mr. Steven Davis, Project Manager
Kiewit
135 Claude Yates Drive
Franklin, TN 37064

RE: Job #6198 - Franklin WRF Mods and Exp, Franklin, TN
Proposal #52

Dear Mr. Davis:

Wayne J. Griffin Electric, Inc. ("WJGEI") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

This credit is for changing the BNR Blower feeders from 600MCM to 350MCM.

Material	\$	(15,429.00)
Labor		(1,971.36)
 Total	 \$	 (17,400.36)

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us. The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

Corporate Headquarters:

116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:

296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

1950 Evergreen Boulevard
Suite 300
Duluth, GA 30096
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

Mr. Steven Davis
March 30, 2021
Page 2

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (205) 733-8848 ext. 6175 or troberson@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Timothy R. Roberson
Project Manager

TRR/hat

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: Calvin Mize, Regional Manager, Wayne J. Griffin Electric, Inc.



116 Hopping Brook Road, Holliston, MA 01746
 (508) 429-8830 FAX (508) 429-9251

CCN#: P-0052, BNR Blowers Wire Credit
 Date: 3/17/2021
 Project Name: Franklin WRF Mods and Exp
 Project Number: 06198-00-18
 Page Number: 1

Work Description

This credit is for changing the BNR Blower feeders from 600MCM to 350MCM.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
As Builts	0.00	0.0000	HRS	0.000	0.000	0.000
Cleanup	0.00	0.0000	HRS	0.000	0.000	0.000
Tools	0.00	0.0000	HRS	0.000	0.000	0.000
Field Safety/JHA	0.00	0.0000	HRS	0.000	0.000	0.000
Supervision	0.00	0.0000	HRS	0.000	0.000	0.000
Project Controls	0.00	0.0000	HRS	0.000	0.000	0.000
#350 USE-RHH-RHW STRANDED COPPER WIRE	5,550.00	5.2000	FT	28,860.000	0.021	116.550
#600 USE-RHH-RHW STRANDED COPPER WIRE	-5,550.00	7.9800	FT	-44,289.000	0.026	-144.300
Totals				-15,429.00		-27.75
Tax				0.00		
Materials with				-15,429.00		

Summary

Itemized Breakdown Total		-15,429.00
Elect. Journeyman	(-27.7500 hrs @ \$71.04 / hr)	-1,971.36
		-1,971.36
Total		-17,400.36



File #: 21-02065

DATE: May 13, 2021
TO: Capital Investment Committee
FROM: Michelle Hatcher, Director of Water Management
Patricia McNeese, Utilities Engineer

SUBJECT:

Consideration Of DRAFT Change Order 1 To COF Contract No. 2018-0214 With American Infrastructure Technologies Corporation For The Sewer Main Line Lining Project At A Cost Increase Of \$400,000.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning the Change Order No.1 with American Infrastructure Technologies Corporation (AITC) for the Sewer Main Line lining project.

BACKGROUND/STAFF COMMENTS:

The BOMA approved the original contract with AITC (COF Contract No. 2018-0214) on December 10, 2019 in the amount of \$384,475.00 for the sewer main line lining contract. The contract term was for one (1) year with up to four (4) one-year options to extend. AITC accepted the extension of the contract effective January 28, 2021 through January 27, 2022.

FINANCIAL IMPACT:

The addition to the contract is \$400,000.00 for Fiscal Year 2021 from 431-89320-52219.

RECOMMENDATION:

Staff recommends that the Change Order 1 to the Contract No. 2018-0214 with AITC be recommended for approval by the Board of Mayor and Aldermen.

CHANGE ORDER NO.: 1

Owner: **City of Franklin, TN**
Owners Contract No. **2018-0214**
Contractor: **American Infrastructure Technologies Corporation**
Project Name: **Sanitary Sewer Main Lining Project**

Date Issued: **5/19/2021**

Effective Date of Change Order: _____

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

Description:

COF 2018-0214

- Add to existing contract to continue into Contract Year 2.

Change in Contract Price

Original Contract Price:
<u>\$384,475.00</u>
[Increase] from previously approved Change Orders No. 1 to No.
<u>\$0</u>
Contract Price prior to this Change Order:
<u>\$384,475.00</u>
[Increase] this Change Order:
<u>\$400,000.00</u>
Contract Price incorporating this Change Order
<u>\$784,475.00</u>

Recommended by Department Director

By: _____
Title: _____
Date: _____

Recommended by City Project Manager

By: _____
Title: _____
Date: _____

Authorized by Owner

By: _____
Title Mayor, City of Franklin, TN
Date: _____



File #: 21-02066

DATE: May 13, 2021
TO: Capital Investment Committee
FROM: Michelle Hatcher, Director of Water Management
Patricia McNeese, Utilities Engineer

SUBJECT:

Consideration Of DRAFT Change Order 1 To COF Contract No. 2018-0226 With BLD Services For The Sewer Lateral Lining Project At A Cost Increase Of \$200,000.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Draft Change Order No.1 To COF Contract No. 2018-0226 With BLD Services for the Sewer Lateral Lining Project.

BACKGROUND/STAFF COMMENTS:

The BOMA approved the original contract with BLD Services (COF Contract No. 2018-0226) on January 28, 2020 in the amount of \$452,500.00 for the sewer lateral lining contract. The contract term was for one (1) year with up to four (4) one-year options to extend. BLD Services accepted the extension of the contract effective January 28, 2021 through January 27, 2022.

FINANCIAL IMPACT:

The addition to the contract is \$200,000.00 for Fiscal Year 2021 from 431-89320-52219.

RECOMMENDATION:

Staff recommends that the Change Order1 to COF Contract No. 2018-0226 with BLD Services for the Sewer Lateral Lining Project be recommended for approval by the Board of Mayor and Aldermen.

CHANGE ORDER NO.: 1

Owner: **City of Franklin, TN**
Owners Contract No. **2018-0226**
Contractor: **BLD Services**
Project Name: **Sanitary Sewer Lateral Lining Project**

Date Issued: **5/19/2021**

Effective Date of Change Order: _____

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

Description:

COF 2018-0226

- Add to existing contract to continue into Contract Year 2.

Change in Contract Price

Original Contract Price:
<u>\$452,500.00</u>
[Increase] from previously approved Change Orders No. 1 to No.
<u>\$0</u>
Contract Price prior to this Change Order:
<u>\$452,500.00</u>
[Increase] this Change Order:
<u>\$200,000.00</u>
Contract Price incorporating this Change Order
<u>\$652,000.00</u>

Recommended by Department Director

By: _____
Title: _____
Date: _____

Recommended by City Project Manager

By: _____
Title: _____
Date: _____

Authorized by Owner

By: _____
Title Mayor, City of Franklin, TN
Date: _____



File #: 21-02067

DATE: May 13, 2021
TO: Capital Investment Committee
FROM: Michelle Hatcher, Director of Water Management
Patricia McNeese, Utilities Engineer

SUBJECT:

Consideration Of DRAFT COF Contract No. 2021-0122, A Professional Services Agreement With AECOM For Redwing Area Sewer Study In The Amount Of \$45,860.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning the Professional Services Agreement, COF Contract No. 2021-0122, with AECOM for the Redwing Area Sewer Study.

BACKGROUND/STAFF COMMENTS:

The Redwing area, which is bound by the Harpeth River, Lewisburg Pike, Old Peytonsville Road and I-65, resides in Williamson County and is part of the Urban Growth Boundary for the City of Franklin. Currently the sewage treatment for the area is provided by septic tanks. The City of Franklin would like for this area to be further investigated on how to serve with gravity sewer as some of the septic tanks are failing. There have been several sewer availability requests in this area that has no basin study for service. This PSA with AECOM will provide direction on how best to serve this area with recommended routing and suggested easements for that alignment.

FINANCIAL IMPACT:

This item will be funded from the Sewer Operating Fund and is not currently part of the budget.

RECOMMENDATION:

Staff recommends that the Professional Services Agreement, COF Contract No. 2021-0122, with AECOM for the Redwing Area Sewer Study be recommended for approval by the Board of Mayor and Aldermen.

**CITY OF FRANKLIN, TENNESSEE
PROFESSIONAL SERVICES AGREEMENT
COF Contract No. 2021-0122**

THIS PROFESSIONAL SERVICES AGREEMENT ("Agreement") is by and between the City of Franklin, Tennessee, hereinafter referenced as City, and **AECOM** hereinafter referenced as Consultant, who mutually agree as follows:

DECLARATIONS. City desires to retain Consultant to provide engineering, related technical, and other services in connection with City's project hereinafter referenced as Project. The Project is described as follows:

REDWING AREA SANITARY SEWER STUDY

1. SCOPE OF SERVICES. Consultant shall provide survey, engineering, and related technical services for the Project in accordance with the Scope of Services ("Services") as found in Attachment A, which shall be considered as an integral part hereof.
2. Consultant shall submit as a part of Attachment A an individual Fee Schedule and a Completion Schedule for the Project based on the detailed Scope of Services.
3. In event of a conflict between this Agreement and the attached document(s), this Agreement shall supersede conflicting terms and conditions.
4. Consultant shall be paid on a monthly basis for work performed, based on the Fee Schedule as contained in Attachment A, in the Lump Sum Amount of **Forty Five Thousand Eight Hundred Sixty and No/100 Dollars (\$45,860.00)**.

The Board of Mayor and Aldermen Approved this Agreement on the ____ Day of _____ 20 ____.

TERMS AND CONDITIONS FOR PROFESSIONAL SERVICES

ARTICLE 1. SERVICES. Consultant will:

- 1.1 Act for City in a professional manner, using that degree of care and skill ordinarily exercised by and consistent with standards of competent consultants using the standards in the industry:
- 1.2 Consider all reports to be confidential and distribute copies of the same only to those persons specifically designated by the City.
- 1.3 Perform all services under the general direction of a senior professional employee, licensed and/or registered in the State of Tennessee, when appropriate.
- 1.4 Designate, in writing, the sole Project representative to coordinate with City the Services to be provided, including all contact information.
- 1.5 Unless provided for in the Project Scope of Services (Attachment A), Consultant shall perform all Services with his own forces (employees). Should sub-consultants be proposed to be used in the Project, a listing of said sub-consultants with Services to be performed shall be provided. After approval of this Agreement, no substitute for sub-consultants shall be allowed unless approved by City.
- 1.6 Retain pertinent records relating to the services performed for a period of seven (7) years following the completion of the work; during this period the records shall be available for review by City at all reasonable times.

ARTICLE 2. CITY'S RESPONSIBILITIES. City, or its authorized representative, will:

- 2.1 Provide Consultant with all information regarding the Project, which is available to, or reasonably obtainable by, the City.
- 2.2 Furnish right-of-entry onto the Project site for Consultant's necessary field studies and surveys. Consultant will endeavor to restore the site to its original condition and shall remain solely liable for all damages, costs and expenses, including reasonable attorneys' fees, for failure to make such restoration.
- 2.3 Designate, in writing, the sole Project representative to coordinate with and direct the Consultant, including all contact information.
- 2.4 Guarantee to Consultant that it has the legal capacity to enter into this contract and that sufficient monies are available to fund Consultant's compensation.

ARTICLE 3. GENERAL CONDITIONS.

- 3.1 Consultant, by the performance of services covered hereunder, does not in any way assume, abridge or abrogate any of those duties, responsibilities or authorities customarily vested in other professionals or agencies participating in the Project.
- 3.2 Consultant shall be responsible for the acts or omissions of any party involved in concurrent or subsequent phases of the Project acting upon written instruction issued by the Consultant.
- 3.3 Neither City nor Consultant may assign or transfer its duties or interest in this Agreement without written consent of the other party.
- 3.4 **ALLOCATION OF RISK AND LIABILITY; GENERAL.** Considering the potential liabilities that may exist during the performance of the services of this Agreement, the relative benefits and risks of the Project, and the Consultant's fee for the services rendered, and in consideration of the promises contained in this Agreement, the City and the Consultant agree to allocate and limit such liabilities in accordance with this Article.

- 3.5 INDEMNIFICATION. Consultant agrees to indemnify and hold City harmless from and against legal liability for all judgments, losses, damages, and expenses to the extent such judgments, losses, damages, or expenses are caused by Consultant's negligent act, error or omission in the performance of the services of this Agreement. In the event judgments, losses, damages, or expenses are caused by the joint or concurrent negligence of Consultant and City, they shall be borne by each party in proportion to its own negligence.
- 3.5.1 SURVIVAL. The terms and conditions of this paragraph shall survive completion of this services agreement.
- 3.6 LIMITATIONS OF RESPONSIBILITY. Consultant shall not be responsible for (a) construction means, methods, techniques, sequences, procedures, or safety precautions and programs in connection with the Project unless specifically undertaken in Attachment A, Scope of Services ; (b) the failure of any contractor, subcontractor, Consultant, or other Project participant, not under contract to Consultant, to fulfill contractual responsibilities to City or to comply with federal, state, or local laws, regulations, and codes; or (c) procuring permits, certificates, and licenses required for any construction unless such procurement responsibilities are specifically assigned to Consultant in Attachment A, Scope of Services.

ARTICLE 4. TERMINATION BY THE CITY. The City may terminate this Agreement in accordance with the following terms and conditions:

- 4.1 Termination for Convenience. The City may, when in the interests of the City, terminate performance under this Agreement with the Consultant, in whole or in part, for the convenience of the City. The City shall give written notice of such termination to the Consultant specifying when termination becomes effective. The Consultant shall incur no further obligations in connection with the work so terminated, other than warranties and guarantees for completed work and installed equipment, and the Consultant shall stop work when such termination becomes effective. The Consultant shall also terminate outstanding orders and subcontracts for the affected work. The Consultant shall settle the liabilities and claims arising out of the termination of subcontracts and orders. The City may direct the Consultant to assign the Consultant's right, title and interest under termination orders or subcontracts to the City or its designee. The Consultant shall transfer title and deliver to the City such completed or partially completed work and materials, equipment, parts, fixtures, information and Contract rights as the Consultant has in its possession or control. When terminated for convenience, the Consultant shall be compensated as follows:
- (1) The Consultant shall submit a termination claim to the City specifying the amounts due because of the termination for convenience together with costs, pricing or other data required by the City. If the Consultant fails to file a termination claim within one (1) year from the effective date of termination, the City shall pay the Consultant the amount the City deems the Consultant is due.
 - (2) The City and the Consultant may agree to the compensation, if any, due to the Consultant hereunder.
 - (3) Absent agreement to the amount due to the Consultant, the City shall pay the Consultant the following amounts:
 - (a) Contract costs for labor, materials, equipment and other services accepted under this Agreement;

- (b) Reasonable costs incurred in preparing to perform and in performing the terminated portion of the work, and in terminating the Consultant's performance, plus a fair and reasonable allowance for direct job site overhead and earned profit thereon (such profit shall not include anticipated profit or consequential damages); provided however, that if it reasonably appears that the Consultant would have not profited or would have sustained a loss if the entire Agreement would have been completed, no profit shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss, if any;

The total sum to be paid the Consultant under this Section shall not exceed the total Agreement Price, as properly adjusted, reduced by the amount of payments otherwise made, and shall in no event include duplication of payment.

- 4.2 Termination for Cause. If the Consultant does not perform the work, or any part thereof, in a timely manner, supply adequate labor, supervisory personnel or proper equipment or materials, or if it fails to timely discharge its obligations for labor, equipment and materials, or proceeds to disobey applicable law, or otherwise commits a violation of a material provision of this Agreement, then the City, in addition to any other rights it may have against the Consultant or others, may terminate the performance of the Consultant, in whole or in part at the City's sole option, and assume possession of the Project Plans and materials and may complete the work.

In such case, the Consultant shall not be paid further until the work is complete. After Completion has been achieved, if any portion of the Contract Price, as it may be modified hereunder, remains after the cost to the City of completing the work, including all costs and expenses of every nature incurred, has been deducted by the City, such remainder shall belong to the Consultant. Otherwise, the Consultant shall pay and make whole the City for such cost. This obligation for payment shall survive the termination of the Agreement.

In the event the employment of the Consultant is terminated by the City for cause pursuant to this Section and it is subsequently determined by a Court of competent jurisdiction that such termination was without cause, such termination shall thereupon be deemed a Termination for Convenience under this Section and the provisions of Section 4.1 shall apply.

- 4.3 Termination for Non-Appropriation. The City may also terminate this Agreement, in whole or in part, for non-appropriation of sufficient funds to complete or partially complete the Project, regardless of the source of such funds, and such termination shall be on the terms of Section 4.1.
- 4.4 The City's rights under this Section shall be in addition to those contained elsewhere herein or provided by law.

ARTICLE 5. SCOPE OF SERVICES. Consultant shall provide the Services as described in Attachment A, Scope of Services.

5.1 By mutual agreement, this Agreement and scope can be amended by the parties. The scope and fee for any additional tasks or services under such amendment shall be mutually negotiated and agreed to in writing prior to beginning such additional tasks or services.

5.2 ENVIRONMENTAL RESPONSIBILITY.

Where drilling/sampling services are involved, the samples obtained from the Project site are the property of the City. Should any of these samples be recognized by the Consultant to be contaminated, the City shall remove them from the Consultant's custody and transport them to a disposal site, all in accordance with applicable government statutes, ordinances, and regulations. For all other samples, the Consultant shall retain them for a sixty (60)-day period following the submission of the drilling/sampling report unless the City directs otherwise; thereafter, the Consultant shall discard the samples in accordance with all federal, state and local laws.

ARTICLE 6. SCHEDULE.

6.1 TIME OF THE ESSENCE. The parties agree that time is of the essence with respect to the parties' performance of all provisions of the Agreement.

6.2 Before executing this Agreement, the Consultant shall have prepared and submitted for approval to the City a Completion Schedule for the Project with milestones for the various stages (tasks) of the Services as outlined in the Scope of Services. The Consultant shall submit and obtain the City's approval for any proposed changes to the logic, durations, sequences, or timing of tasks as approved in the Completion Schedule.

6.3 FORCE MAJEURE. Neither party will be liable to the other for any delay or failure to perform any of the services or obligations set forth in this Agreement due to causes beyond its reasonable control, and performance times will be considered extended for a period of time equivalent to the time lost because of such delay plus a reasonable period of time to allow the parties to recommence performance of their respective obligations hereunder. Should a circumstance of force majeure last more than ninety (90) days, either party may by written notice to the other terminate this Agreement. The term "force majeure" as used herein shall mean the following: acts of God; strikes, lockouts or other industrial disturbances; acts of public enemies; orders or restraints of any kind of the government of the United States or of the State or any of their departments, agencies or officials, or any civil or military authority; insurrections, riots, landslides, earthquakes, fires, storms, tornadoes, droughts, floods, explosions, breakage or accident to machinery, transmission pipes or canals; or any other cause or event not reasonably within the control of either party.

6.4 Should City request changes in the scope, extent, or character of the Project, the fee and the time of performance of Consultant's Services as indicated in Attachment A shall be adjusted equitably.

ARTICLE 7. USE OF DOCUMENTS, DATA.

7.1 All Documents, including, but not limited to, reports, drawings, specifications, and computer software prepared by Consultant pursuant to this Agreement are instruments of service in respect to the Project. The City shall retain an ownership and property interest therein whether or not the Project is completed.

- 7.1.1 USE OF DATA SYSTEMS: The City maintains all rights to data systems and data (including derivative or hidden data such as metadata) created and used by Consultant through information supplied to the consultant by the City.
- 7.1.2 DISCLOSURE OF DOCUMENTS/DATA. City may be required to disclose documents or data under state or federal law. City shall notify Consultant if a request for data or documents has been made and shall give Consultant a reasonable opportunity under the circumstances to respond to the request by redacting proprietary or other confidential information. Consultant waives any right to confidentiality of any document, e-mail or file it fails to clearly mark on each page as confidential or proprietary. In exchange, Consultant agrees to indemnify, defend, and hold harmless City for any claims by third parties relating thereto or arising out of (i) the City's failure to disclose such documents or information required to be disclosed by law, or (ii) the City's release of documents as a result of City's reliance upon Consultant representation that materials supplied by Consultant (in full or redacted form) do not contain trade secrets or proprietary information, provided that the City impleads Consultant and Consultant assumes control over that claim.
- 7.2 By execution of this Agreement, Consultant and his sub-consultant(s) grant the City a royalty-free, perpetual, irrevocable, and assignable license to use any and all intellectual property interest Consultant or his sub-consultant(s) possess to any drawings, details, specifications, documents, and other information created before each of their first involvement with the Project and subsequently incorporated into the Project's documents. City-furnished data that may be relied upon by Consultant is limited to the printed copies that are delivered to the Consultant pursuant to Article 2 of this Agreement. Any copyrighted electronic files furnished by City shall be used by Consultant only for the Project as described herein. City's posting or publication of such documents created by Consultant for City shall constitute fair use and shall not constitute an infringement of Consultant's copyright, if any.
- 7.3 Documents that may be relied upon by City are limited to the printed copies (also known as hard copies) that are signed or sealed by the Consultant. Files in electronic media format of text, data, graphics, or of other types that are furnished by Consultant to City are only for convenience of City, unless the delivery of the Project in electronic media format has been dictated in Attachment A, Scope of Services. Any conclusion or information obtained or derived from electronic files provided for convenience will be at the user's sole risk.
- 7.4 Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within sixty (60) days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 60-day acceptance period will be corrected by the party delivering the electronic files. Unless stated otherwise herein, Consultant shall not be responsible to maintain documents stored in electronic media format after acceptance by City.
- 7.5 When transferring documents in electronic media format, Consultant makes no representations as to long term compatibility, usability, or readability, of documents resulting from the use of software application packages, operating systems, or computer hardware differing from that as required of, and used by, Consultant at the beginning of this Project.

- 7.6 City may make and retain copies of Documents for information and reference in connection with use on the Project by the City, or his authorized representative. Such Documents are not intended or represented to be suitable for reuse by City or others on extensions of the Project or on any other project. Any such reuse or modifications without written verification or adaptation by Consultant, as appropriate for the specific purpose intended, will be at City's sole risk and without liability or legal exposure to the Consultant or to Consultant's sub-consultants.
- 7.7 If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.
- 7.8 Any verification or adaptation of the Documents for extensions of the Project or for any other project will entitle Consultant to further compensation at rates to be agreed upon by City and Consultant.

ARTICLE 8. INSURANCE.

- 8.1 During the performance of the Services under this Agreement, Consultant shall maintain the following minimum insurance:
- a) General Liability Insurance with a combined single limit of \$1,000,000 per occurrence and \$2,000,000 annual aggregate.
 - b) Automobile Liability Insurance with a combined single limit of \$1,000,000 for each person and \$1,000,000 for each accident.
 - c) Workers' Compensation Insurance Coverage A in accordance with statutory requirements and Coverage B, Employer's Liability Insurance, with a limit of \$500,000 for each occurrence.
 - d) Professional Liability Insurance with a limit of \$1,000,000 annual aggregate.
- 8.2 Consultant shall add the City an additional insured on all policies unless otherwise prohibited.
- 8.3 Consultant shall, upon execution of this Agreement, furnish City certificates of insurance, which shall include a provision that such insurance shall not be canceled without at least thirty (30) days' written notice to City.
- 8.4 No insurance, of whatever kind or type is to be considered as in any way limiting other parties' responsibility for damages resulting from their activities in the execution of the Project. City agrees to include, or cause to be included, in the Project's construction contract, such requirements for insurance coverage and performance bonds by the Project's construction contractor as City deems adequate to indemnify City, Consultant, and other concerned parties against claims for damages and to insure compliance of work performance and materials with Project requirements.

ARTICLE 9. PAYMENT.

- 9.1 City will pay Consultant for services and expenses in accordance with the Fee Schedule proposal submitted for the Project as part of the Scope of Services. Consultant's invoices will be presented at the completion of the work or monthly and will be payable upon receipt. Payment is due upon presentation of invoice and is past due thirty (30) days from invoice date. City shall give prompt written notice of any disputed amount and shall pay the remaining amount.
- 9.2 Consultant shall be paid in full for all services under this Agreement, including City authorized overruns of the Project budget or unforeseen need for Consultant's services exceeding the original Scope of SerAECOMvices.
- 9.3 TRAVEL; EXPENSES

City shall reimburse reasonable expenses, including travel and meals, when specified in the Scope of Services, but only in accordance with the City's Travel and Expense Policy and Procedures Manual. The maximum amount will be applied as of the date of travel and as listed in the per diem reimbursement rates on the "CONUS" website developed by the United States General Services Administration, located at www.gsa.gov [click on 'per diem rates' under the 'etools' category].

ARTICLE 10. MISCELLANEOUS PROVISIONS

- 10.1 **EQUAL EMPLOYMENT OPPORTUNITY.** In connection with this Agreement and the Project, City and Consultant shall not discriminate against any employee or applicant for employment because of race, color, sex, national origin, disability or marital status. City and Consultant will take affirmative action to ensure that the contractor used for the Project does not discriminate against any employee and employees are treated during employment without regard to their race, age, religion, color, gender, national origin, disability or marital status. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination, rates of pay or other forms of compensation; and selection for training, including apprenticeship.
- 10.1.1 Consultant shall insert the foregoing provision in all contracts relating to this Project.
- 10.2 **TITLE VI – CIVIL RIGHTS ACT OF 1964.** City and Consultant shall comply with all the requirements imposed by Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d), 49 C.F.R., Part 21, and related statutes and regulations.
- 10.2.1 Consultant shall insert the foregoing provision in all contracts relating to this Project.
- 10.3 **NO THIRD PARTY RIGHTS CREATED.** City and Consultant each binds itself and its successors, executors, administrators, permitted assigns, legal representatives and, in the case of a partnership, its partners, to the other party to this Agreement and to their successors, executors, administrators, permitted assigns, legal representatives and partners of such other party in respect to all provisions of this Agreement. The Services provided for in this Agreement are for the sole use and benefit of City and Consultant. Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than City and Consultant.
- 10.4 **WARRANTIES/LIMITATION OF LIABILITY/WAIVER.** City reserves all rights afforded to local governments under law for all general and implied warranties. City does not waive any rights it may have to all remedies provided by law and therefore any attempt by Consultant to limit its liability shall be void and unenforceable.

ARTICLE 11. EXTENT OF AGREEMENT:

- 11.1 **APPLICABLE LAW/CHOICE OF FORUM AND VENUE.** This Agreement is made under and will be construed in accordance with the laws of the State of Tennessee without giving effect to that state's choice of law rules. The parties' choice of forum and venue shall be exclusively in the courts of Williamson County, Tennessee. Any provision of this Agreement held to violate a law or regulation shall be deemed void, and all remaining provisions shall continue in force.
- 11.2 **ENTIRE AGREEMENT.** This Agreement, including these terms and conditions, represent the entire Agreement between City and Consultant for this Project and supersedes all

prior negotiations, representations or agreements, written or oral. This Agreement may be amended only by written instrument signed by City and Consultant.

ARTICLE 12. DISPUTE RESOLUTION, BREACH.

- 12.1 If a dispute should arise relating to the performance of or payment for the Services under this Agreement, the aggrieved party shall notify the other party of the dispute within a reasonable time after such dispute arises. During the pendency of any dispute, the parties shall continue diligently to fulfill their respective obligations hereunder. No arbitration or mediation shall be required as a condition precedent to filing any legal claim arising out of or relating to this Agreement. No arbitration or mediation shall be binding.
- 12.2 BREACH. Upon deliberate breach of the Agreement by either party, the non-breaching party shall be entitled to terminate the Agreement with notice, with all of the remedies it would have in the event of termination and may also have such other remedies as it may be entitled to in law or in equity.

ARTICLE 13. SURVIVAL.

The provisions contained in this Professional Services Agreement shall survive the completion of or any termination of the Agreement, contract or other document to which it may accompany or incorporate by reference or which subsequently may be modified, unless expressly excepted from this Article upon consent of both parties.

CITY OF FRANKLIN, TENNESSEE:

By: _____
Dr. Ken Moore
Mayor
Date: _____

AECOM:

By: _____
Print: _____
Title: _____
Date: _____

Attest:

Eric S. Stuckey
City Administrator
Date: _____

Approved as to form:



**GOOSE CREEK AREA
SEWER AVAILABILITY STUDY**

PROPOSAL FOR PROFESSIONAL SERVICES

AECOM
1000 CORPORATE CENTRE DRIVE, SUITE 250
FRANKLIN, TN 37067

May 19, 2021

AECOM



Goose Creek Area Sewer Availability Study Proposal for Professional Services

BACKGROUND

The City of Franklin's Water Management Department (WMD) conducts ongoing evaluations of unsewered areas within the service boundary to determine the feasibility of developing sewer infrastructure to expand wastewater service to both existing and future customers. The area bound by the Harpeth River, Interstate-65, Old Peytonsville Road, and Lewisburg Pike is almost completely developed and utilizing septic tank systems. Due to residential inquiries and continuous failing of septic tank systems, WMD is interested in the feasibility of adding sewer infrastructure to the area.

The ± 750 -acre area described above includes 461 parcels, all but two of which are residential. There are open, common space parcels within the area owned by the local Homeowners Associations. The study area can be seen in detail on the attached Goose Creek Sewer Availability Study Area Exhibit found in **Appendix A**.

The Goose Creek Pump Station (PS), located in the northeast corner of the described area, is a two-train, submersible PS servicing the entire Goose Creek Basin. A recent April 2021 evaluation of the PS found it to be in acceptable working condition and functioning as it was originally designed. An 8-inch and a 12-inch ductile iron force main exit the Goose Creek PS and run along the Harpeth River to the north. A 24-inch FRP gravity sewer crosses I-65 and enters the Goose Creek PS from the east. The area is equipped with a 30-inch FRP gravity sewer known as the Five Mile Creek Interceptor that runs mostly north and south from Old Peytonsville Road to the Goose Creek PS. Branching off the Interceptor to the west is a 12-inch DIP gravity sewer that is routed toward Lewisburg Pike.

The WMD currently services the area's water needs with mains located within the roadways.

SCOPE OF WORK

AECOM met with the WMD on May 10, 2021 to gain a general understanding of the objective to serve the Goose Creek area described above. Further investigation of basin studies and discussion with WMD revealed the septic tank systems in the study area have an increasing rate of failure. Therefore, WMD would like to evaluate the Goose Creek area to determine the feasibility and logistics of constructing sewer infrastructure to bring wastewater service to this area. The undeveloped areas immediately adjacent to the boundary which may flow by gravity to the study area along with other proposed improvements must also be considered.

AECOM will conduct a brief project kick-off meeting with the City to discuss the goals and evaluation criteria for the analysis. Our Team will review topographic data to develop an approach for providing sewer service to the area. Our Team will also use Franklin typical wastewater flow data per residential household, if available, or similar data AECOM has for surrounding communities to preliminarily size the sewer system pipe segments. Our Team will prepare a brief report summarizing the analysis performed, recommended sewer system alignment, PVA property lines, and potential easements along with associated figures and budget level opinion of probable construction costs (OPCCs). Project



Goose Creek Area Sewer Availability Study Proposal for Professional Services

review meetings will be held with WMD to review the sewer system alignments, recommended approach, and draft report. After review and comment by WMD staff, AECOM will address review comments and prepare and issue a final report to the City.

This proposal does not include an evaluation of any existing infrastructure outside of the boundary. Elevations needed for the evaluation will be based upon GIS data and as-built records as furnished by WMD. Therefore, topographic surveying has not been included in this proposal.

SECTION 1. FEE

Our Fee Pricing Proposal is provided as **Appendix B** at the end of this proposal document. Professional services for detailed design, surveying and geotechnical exploration have not been included in the scope and fee but may be added by additional task order at a later date if desired by the City.

SECTION 2. PROJECT STAFF & TEAM ORGANIZATION

AECOM has selected a team of professionals from our Franklin office chosen due to their experience and qualifications that will provide meaningful contributions to deliver a successful project. Each of these staff members has extensive experience within his or her respective tasks and recognizes the importance of maintaining quality, schedule, budget, and clear communications.

Principal: As the Principal, Chris Hammer, P.E. will be responsible for communicating with WMD to ensure that the AECOM Team is meeting your expectations and for promptly addressing any concerns that may be identified by WMD. Chris will ensure staff are available and have the time needed to complete their responsibilities.

Project Manager: Ovi Pomohaci, P.E. will serve as AECOM's Project Manager. He will be responsible for the day-to-day operations, technical direction, and successful completion of the project. Ovi will monitor activities and schedules to help ensure the project is delivered on time and technically sound. He will also monitor the budget regularly, communicate regularly with WMD, and prepare and submit invoices.

Senior Engineer: John Ricketts, P.E. will use his 35 years of experience to provide guidance and direction to the Team and serve as a resource to the Team. John will be involved throughout the duration of the project and will serve as a valuable technical resource for the Team.

Junior Engineer: Elizabeth Fox will serve as the Junior Engineer for the Team and will be responsible for assembling the information necessary to conduct the analysis and develop the alternatives and will draft the report.

GIS Specialist: The GIS Specialist will be responsible for developing databases and figures that clearly depict the information discussed in the report.

SECTION 3. SUB-CONSULTANTS

AECOM does not anticipate using any sub-consultants for this project.



Goose Creek Area Sewer Availability Study Proposal for Professional Services

SECTION 4. GEOTECHNICAL EXPLORATION SCOPE

A geotechnical investigation for the project is not included as part of this proposal. If desired, AECOM can provide the services of a qualified geotechnical engineer in support of the project.

SECTION 5. DESIGN DRAWINGS AND SPECIFICATIONS

Design drawings and specifications will not be prepared for this project.

SECTION 6. PERMITS

Permitting is not included as part of this proposal. AECOM will determine sewer feasibility based upon TDEC's Design Criteria for Sewage Works, the Recommended Standards for Wastewater Facilities ("Ten States Standards"), and General Requirements and Technical Specifications, Water Management Department, City of Franklin, Tennessee.

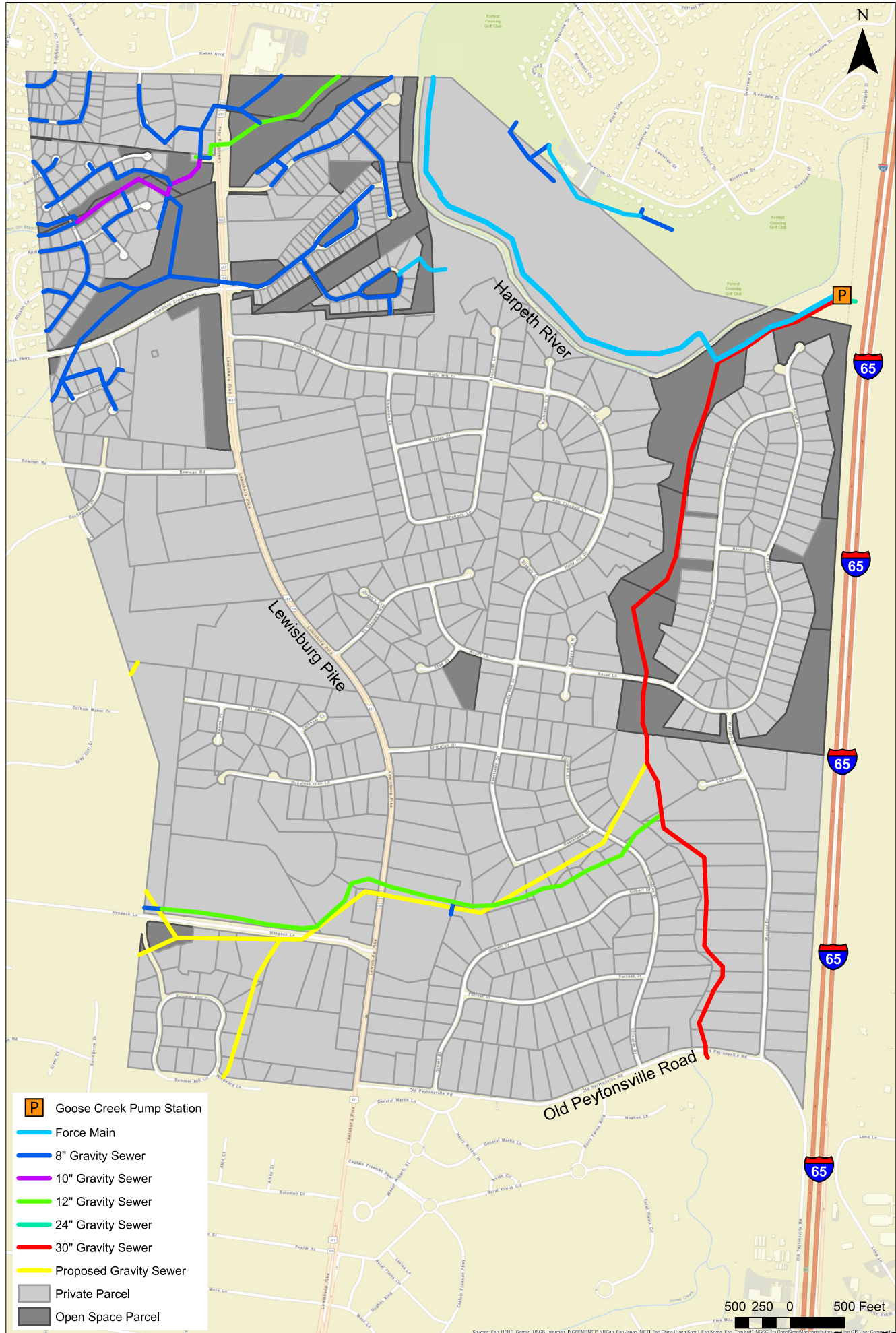
SECTION 7. PRELIMINARY SCHEDULE

The time of completion from the Notice to Proceed to the final report of the Goose Creek Area Sewer Availability Study project is generally estimated to be as follows:

Task Order Award & Notice to Proceed	July 1, 2021
Project Kickoff Meeting with WMD	July 6, 2021
Deliver Preliminary Concept to City	July 27, 2021
Review Preliminary Concept with City	August 10, 2021
Deliver Concept of Recommended Alternative	August 26, 2021
Review Recommended Alternative with City	September 9, 2021
Deliver Draft Report to City	September 28, 2021
Review Draft Report with City	October 12, 2021
Submit Final Report	October 22, 2021

AECOM will review the City's schedule and goals for the project and will expedite activities listed above if necessary.

APPENDIX A – GOOSE CREEK SEWER AVAILABILITY STUDY AREA





Goose Creek Area Sewer Availability Study Proposal for Professional Services

APPENDIX B – FEE PRICING PROPOSAL

May 19, 2021

AECOM



**City of Franklin - Water Management Dept.
Goose Creek Area Sewer Availability Study**

**Fee Pricing Estimate
May 19, 2021**

Employee Classification/Category Billing Rate	Principal \$230	Project Manager \$155	Senior Engineer \$200	Junior Engineer \$110	GIS Specialist \$110	Administrative \$85	ODCs Lump Sum
Project Management		16				4	
Project Kick-off	2	4	2	2			
Site Visit - Sewer Layout & Interceptor Tie-In		8	8	8			\$100
Data Acquisition and Analysis		1		8			
Sewershed Delineation		2		6	8		
Flow Estimation		2		8			
Engineering Hydraulics		2		8			
Sewer Routing, including Figures and OPCC	2	8	8	40	24		\$200
Review Meeting with WMD	1	2		2			
Prepare Recommended Approach	1	8	4	16	8		\$100
Review Meeting with WMD	1	2		4			
Preparation of Draft Report	2	10	4	40	4	4	\$200
Technical Review of Deliverable	2		8				
Review Meeting with WMD	1	1		4			
Prepare Final Report	2	4	4	8	8		\$250
Manhours	14	70	38	154	52	8	
Subtotals	\$3,220	\$10,850	\$7,600	\$16,940	\$5,720	\$680	\$850
Total							\$45,860



File #: 21-02044

DATE: May 5, 2021
TO: Capital Investment Committee
FROM: Lisa Clayton, Director of Parks

SUBJECT:

Consideration Of Resolution 2021-93, A Resolution To Adopt The Franklin Trails Branding And Wayfinding Guidelines.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning the approval of Resolution 2021-93 to adopt the Franklin Trails Branding & Wayfinding Guidelines.

BACKGROUND/STAFF COMMENTS:

The brand, Franklin Trails, was created by the Franklin Riverwalk and Trails Committee in order to promote and identify the trail systems within the City of Franklin. The Committee enlisted brand strategist Matt Brown of Brand Mettle to develop a logo for the Franklin Trails brand. This brand is for all Franklin residents and visitors from all walks of life who have a desire to get outside. Franklin Trails offers functional and inspirational trails and access points with a purpose and passion to connect the entire community of Franklin. It provides a public and free system to everyone, promoting exercise, walkability, and togetherness; and it creates a strong sense of community and improves the quality of life.

The brand logo addresses short-term concerns, while establishing a strong long-term, ownable identity. It communicates the broad diversity of the Franklin Trails System - from greenways to blueways, sidewalks to hiking/biking trails, and from neighborhoods to parks. The logo works as a system - with established names and locations at trailheads, while providing an easy recognizable brand mark that serves as a trail marker throughout the system. Franklin's Board of Mayor and Alderman approved the trail branding on August 13, 2019.

This document provides branding and wayfinding guidelines for the landmark logo and for the general placement, size, consistency, color, and direction of the signs. The purpose of these guidelines is to assist the City of Franklin in developing a cohesive, consistent aesthetic, and provide direction in the selection and implementation of the branding and of the wayfinding signage. These guidelines provide recommendations for the landmark and wayfinding signage of the Franklin trail system. Goals established in the Guidelines are to:

- Provide recommendations utilizing the Franklin Trails landmark
- Make entries more recognizable and consistent with the Franklin Trails identity

- Improve the pedestrian and cyclist experience through clear wayfinding
- Create visual continuity and clarity

FINANCIAL IMPACT:

The Franklin Trails Branding and Wayfinding Guidelines were developed in-house by City of Franklin Land Planner Annette Dalrymple, various Parks Department team and the volunteers of the Franklin Riverwalk and Trails Committee.

RECOMMENDATION:

Staff recommends that Resolution 2021-93 be recommend to the Board of Mayor and Alderman for approval.

RESOLUTION 2021-93

RESOLUTION TO ADOPT THE FRANKLIN TRAILS BRANDING & WAYFINDING GUIDELINES

WHEREAS, The Franklin Riverwalk and Trails Committee, comprised of community and city leaders, provides strategic direction and advocacy for the creation of trails, greenways and blueways with the purpose of improving quality of life by connecting city parks, neighborhoods, historic resources and area attractions; and

WHEREAS, The brand, Franklin Trails, was created by the Franklin Riverwalk and Trails Committee in order to promote and identify the trail systems within the City of Franklin. This brand is for all Franklin residents and visitors from all walks of life who have a desire to get outside. Franklin Trails offers functional and inspirational trails and access points with a purpose and passion to connect the entire community of Franklin. It provides a public and free system to everyone, promoting exercise, walkability, and togetherness; and it creates a strong sense of community and improves the quality of life.; and

WHEREAS, The brand logo addresses short-term concerns, while establishing a strong long-term, ownable identity. It communicates the broad diversity of the Franklin Trails System - from greenways to blueways, sidewalks to hiking/biking trails, and from neighborhoods to parks; and

WHEREAS, The logo works as a system - with established names and locations at trailheads, while providing an easy recognizable brand mark that serves as a trail marker throughout the system; and

WHEREAS, This document provides branding and wayfinding guidelines for the brandmark logo and for the general placement, size, consistency, color, and direction of the signs.

NOW, THEREFORE, BE IT RESOLVED, BY THE BOARD OF MAYOR AND
ALDERMEN OF THE CITY OF FRANKLIN, TENNESSEE AS FOLLOWS:

RESOVLED, The Franklin Riverwalk and Trails Committee is hereby authorized to adopt the Franklin Trails Branding and Wayfinding Guidelines.

Duly passed by the Board of Mayor and Aldermen, on the ____ day of _____ 2021.

DR. KEN MOORE, MAYOR





FRANKLIN TRAILS BRANDING & WAYFINDING GUIDELINES

DRAFT

TABLE OF CONTENTS

INTRODUCTION	3
GUIDELINES	4
Purpose and Goals	4
Brandmark	5
Existing Signage	6
Family of Signage	7
Community Branding	8
Improvements and Recommendations	9
Street Trail Sign	10
Trail Head Sign	11
Historic Trail Sign	12
Trail Marker	13
Informational Signage	14
Interpretative Signage	15
Sign Placement Example	16
CONTRIBUTIONS	19



INTRODUCTION

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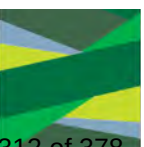
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Franklin's Board of Mayor and Alderman approved the trail branding on August 13, 2019.

This document provides branding and wayfinding guidelines for the brandmark logo and for the general placement, size, consistency, color, and direction of the signs. This document should not be used for construction documentation.



GUIDELINES

Purpose and Goals

The purpose of these guidelines is to assist the City of Franklin in developing a cohesive, consistent aesthetic, and provide direction in the selection and implementation of the branding and of the wayfinding signage. These guidelines provide recommendations for the brandmark and wayfinding signage of the Franklin trail system.

Goals established in the Guidelines are to:

- Provide recommendations utilizing the Franklin Trails brandmark
- Make entries more recognizable and consistent with the Franklin Trails identity
- Improve the pedestrian and cyclist experience through clear wayfinding
- Create visual continuity and clarity



Brandmark

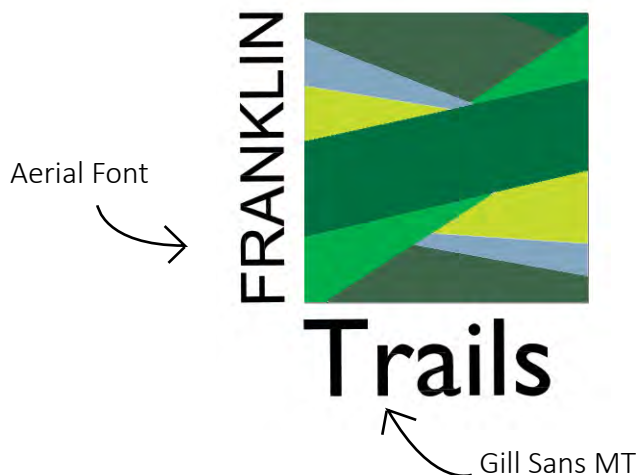
The colors of the brandmark represent the connection of greenways and blueways. It encompasses all activities: hiking, biking, kayaking, jogging, and walking. The colors are easily identifiable throughout the trails system and the design provides a unique, ownable, timeless, and forward-thinking brandmark.

The Franklin Trails logo and signs should contain the CMYK colors listed under Color Specifications. Signs are to be placed on a highly reflective metal background and should be of the varying sizes recommended within this guidelines document.

The Franklin Trails logo should always be placed on a white or natural surface background in order to maintain the distinction of the logo. The color bands should remain free from text or other symbols.

The logo may be used on other materials and merchandise for fundraising and marketing to promote the Franklin Trails system. Promotional materials with the Franklin Trails logo must be approved by the City of Franklin Parks Department for the rights of its usage.

Logo and Fonts



Color Specifications

	C=28 M=0 Y=100 K=0
	C=85 M=0 Y=100 K=0
	C=100 M=0 Y=85 K=42
	C=34 M=8 Y=0 K=24
	C=75 M=39 Y=75 K=28



GUIDELINES

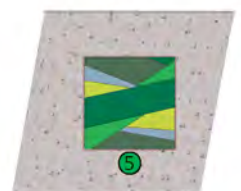
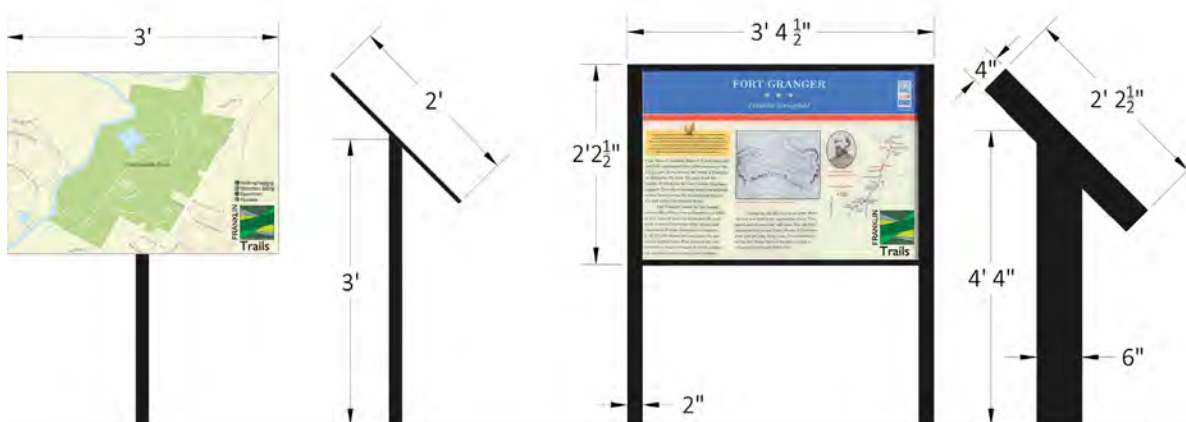
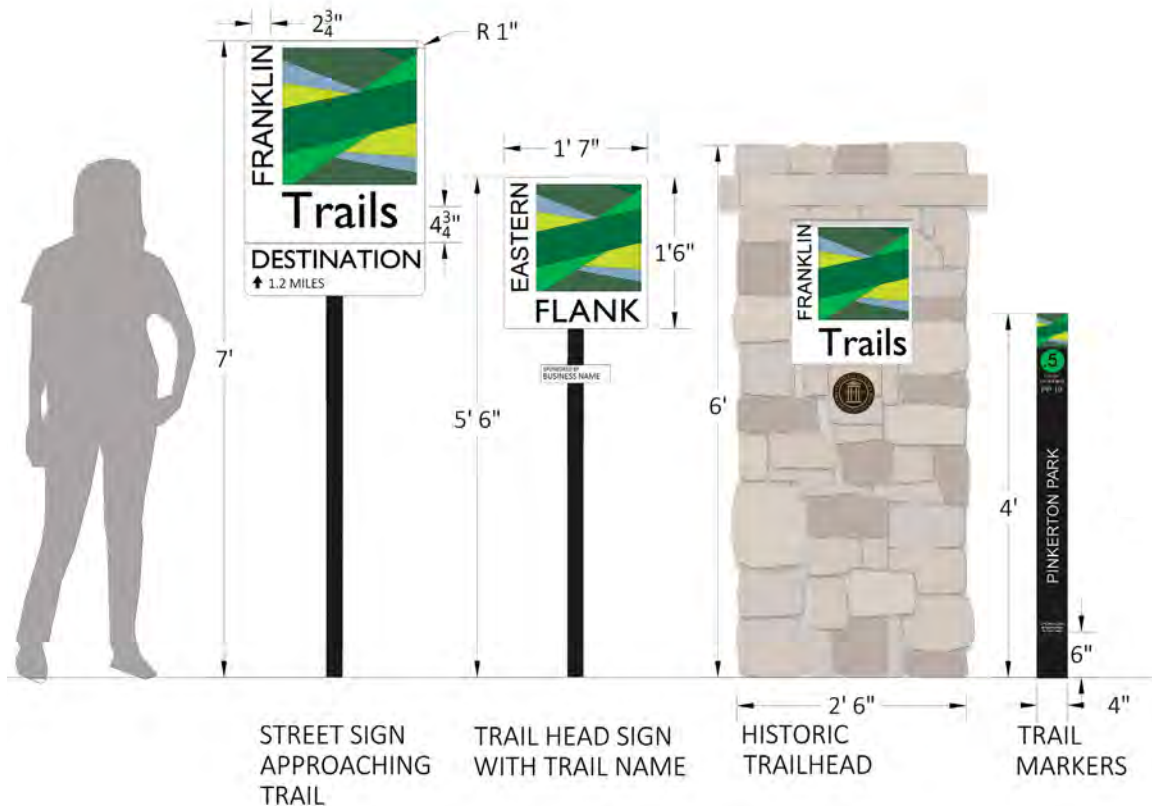
Existing Signage

The signage found throughout Franklin along the trails varies widely. The placement of the signs are numerous and offer a wide array of types, styles, and colors. Too many signs have an overwhelming appearance and do not contribute positively to the overall trail experience.

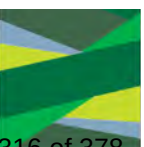


Family of Signage

The family of signage consists of a variety of signs for use in different locations. The signs should reinforce the context of the surrounding trails and landscape. All signs should maintain a consistent color and style with the Franklin Trails logo.



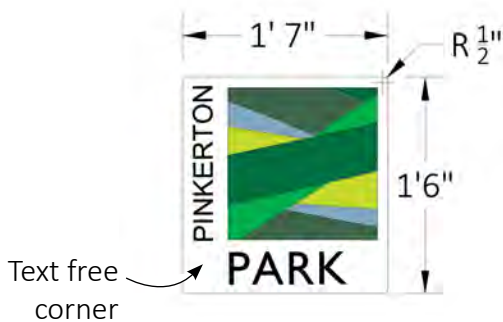
PAVEMENT TRAIL MARKERS



GUIDELINES

Community Branding

Each trail should receive the name of the park, waterway, or community for which it is associated. New trails and their naming systems must be approved by the City of Franklin Park's Department prior to installation. The sizing of the text may be adjusted in instances of long names to properly fit on the sign.



Text sizes may vary. The vertical and horizontal text should fit within the edges of the logo when applicable. 1" clearance between the top of the logo and right side.



Improvements and Recommendations

Improvements should be made by removing any weathered, broken, repetitive or unnecessary signage from the trail and park entrances.

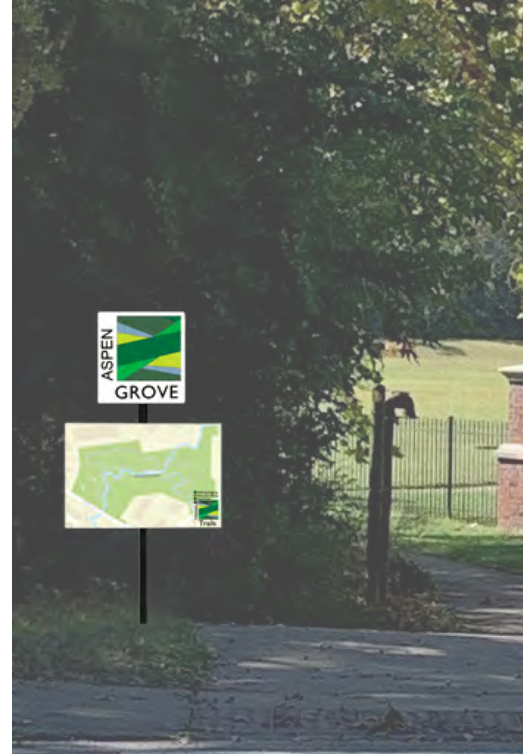
It is recommended that old signs be replaced with new signage or new signs may be retrofitted to older existing signs.



Existing Signage at Aspen Grove



New signage retrofitted onto existing signs



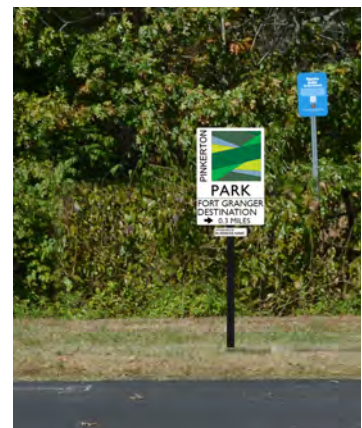
Removal of existing signs and placement of new signs



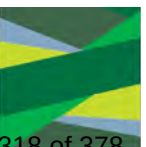
Existing Signage at Pinkerton Park



New signage with existing signs



Removal of existing sign and placement of new sign



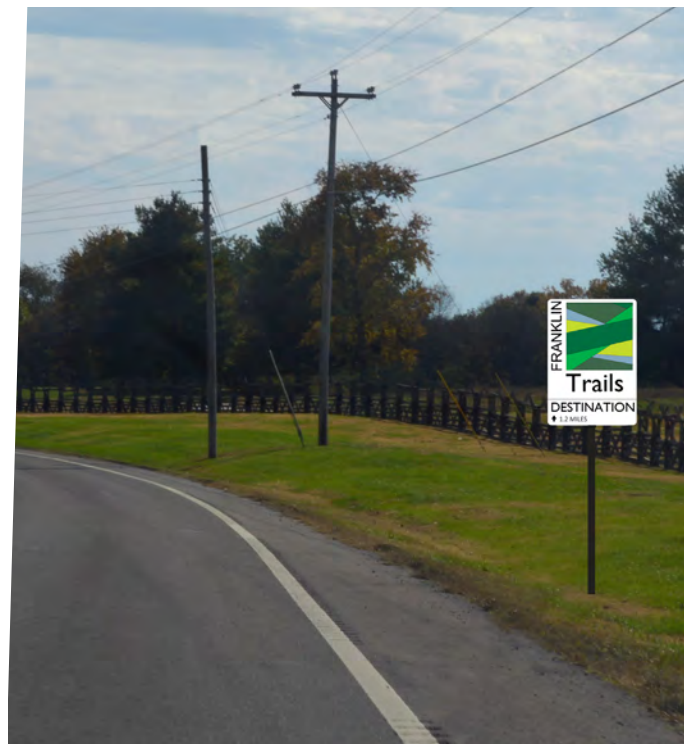
GUIDELINES

Street Trail Sign

The “Franklin Trails” signage provides notification a mile or more from the trail destination. These signs shall be placed within the right-of-way, letting trail users know of the upcoming destination. The sign should be at least seven feet tall and follow all roadway sign standards.



STREET SIGN APPROACHING TRAIL



Trail Head Sign

A Trail Head Sign should be placed at the main entrance of the trail and provide the name of the community or trail to which it serves. Underneath the trail head sign, sponsorship or advertising information can be added.



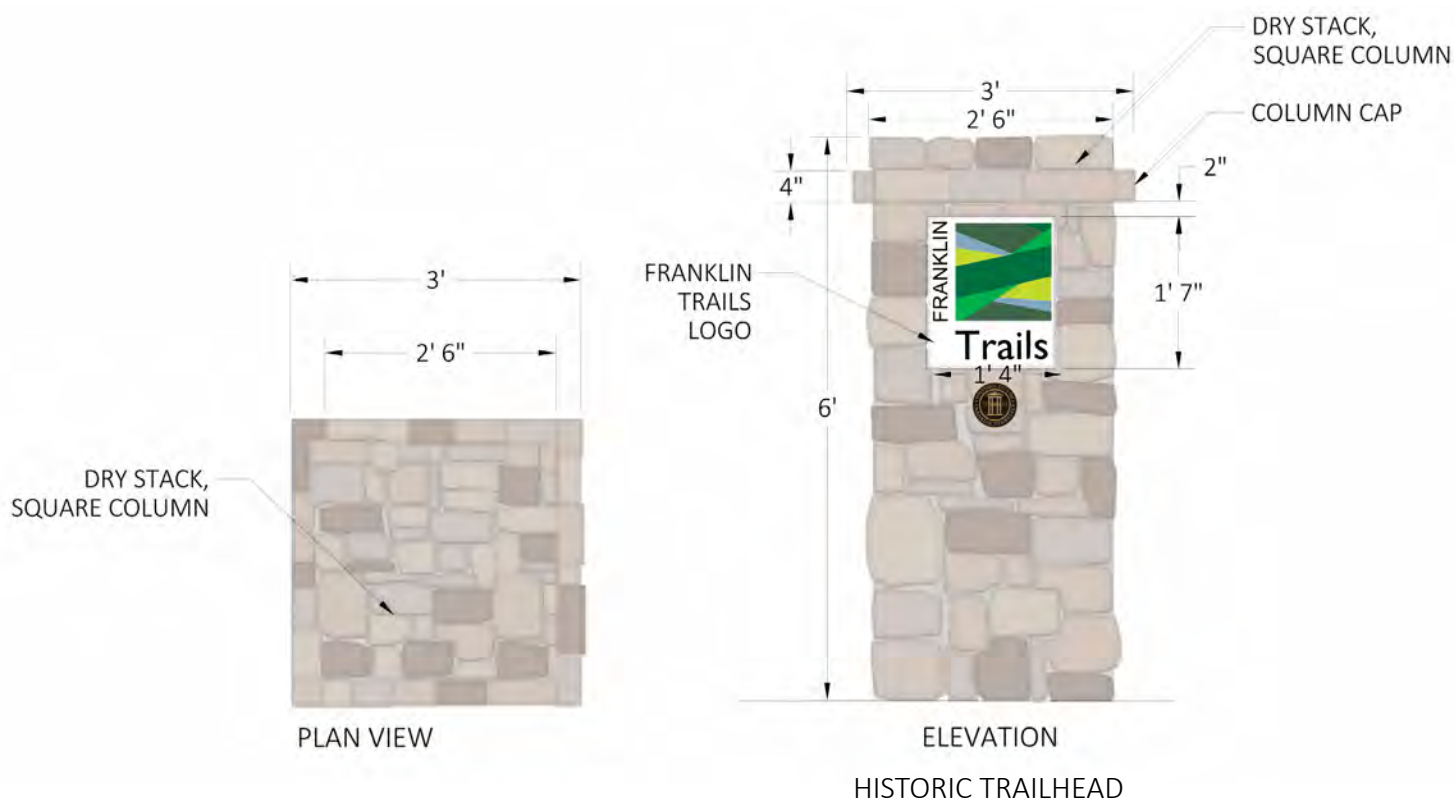
GUIDELINES

Historic Trail Sign

The stone columns with the incorporated signage should be used at trail heads within designated historic parks or battlefields. The stone design should match the layout, sizing, and color of the existing stone signage at City of Franklin Parks.

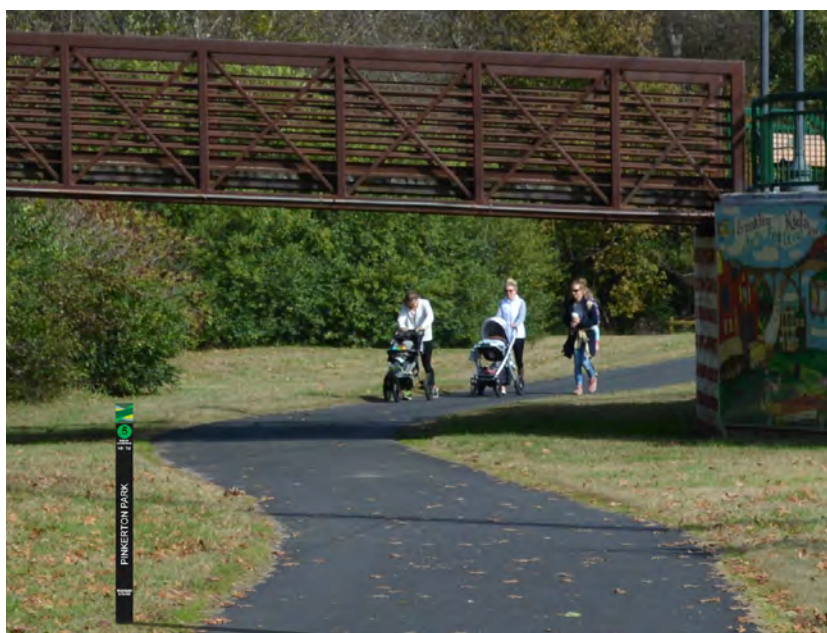
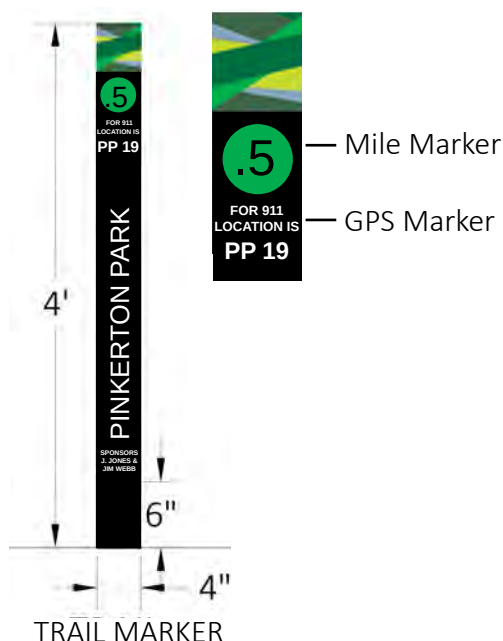


Existing Stone Signage



Trail Marker

The black pylon marker or the in-ground pavement marker shall be placed every quarter mile or half mile along the trail or at intersecting trails. The number within the circle indicates the mile distance from the trail head and the color represents whether the trail is walking/jogging, biking, equestrian, or blueway. The mileage should be shown on all sides of the marker in the direction of the trail indicated on the informational signage displayed at each trail head.



The square pylon is made of steel with reflective lettering. Directly underneath the mileage circle, a GPS marker provides the location for emergencies. Trail sponsorship information can be added 6" from the bottom of each pylon.

Thermoplastic, paint, or a decal should be utilized for the pavement markings.

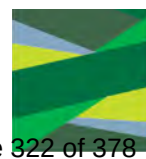


PAVEMENT TRAIL MARKER

- 5 Walking/Jogging
- 5 Mountain Biking
- 5 Equestrian
- 5 Blueway

The colored circle indicates the type of trail and the number corresponds with the mileage along the trail. The pylon trail marker and the in-ground pavement marker should be used in conjunction with the circled numbers.

The circle symbology should be placed on all trail head signage in the lower right hand corner.



GUIDELINES

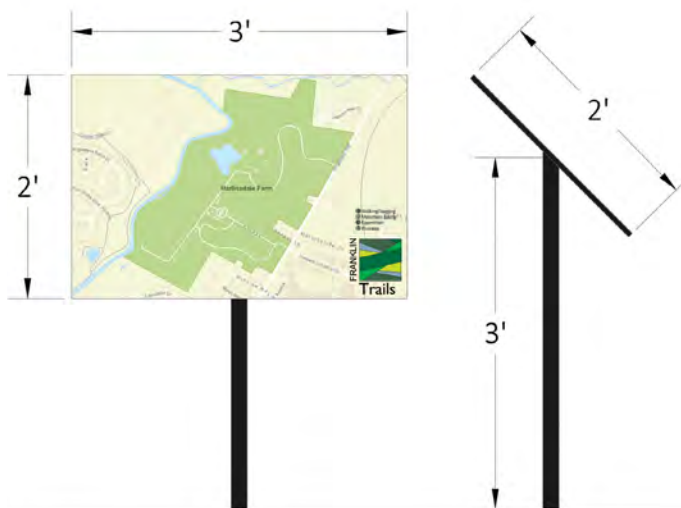
Informational Signage

A map of the trail system should be provided adjacent to the trail head showing the entire trail layout, mileage markers, and any trail connections. The Franklin Trails logo and the trail circle symbology should be provided in the lower right hand corner.

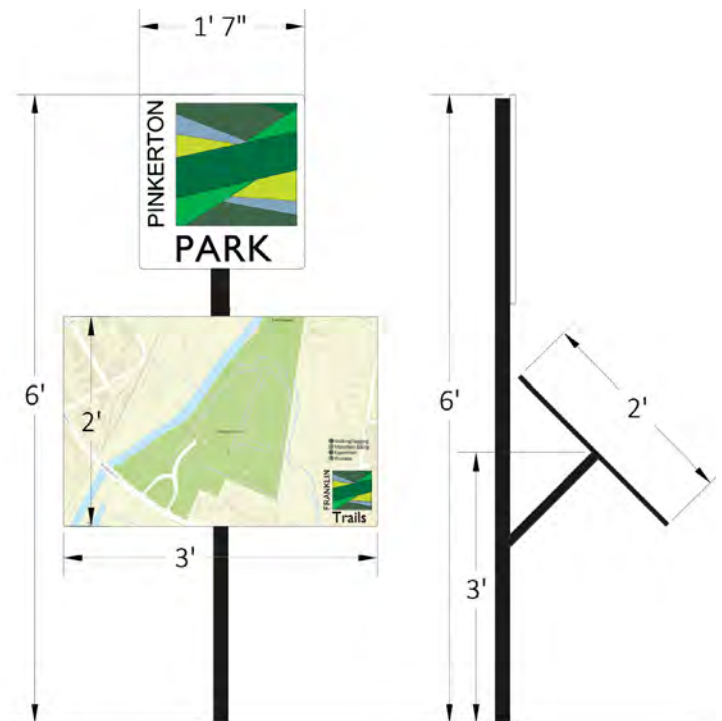
Existing informational signage shall be replaced or rehabilitated to match the new trail logo colors and design. When informational signage and trail head signage are in close proximity to each other, the two should be combined to eliminate the need for two signs placed side-by-side.



Trail Head Signage combined with Informational Signage



INFORMATIONAL SIGNAGE

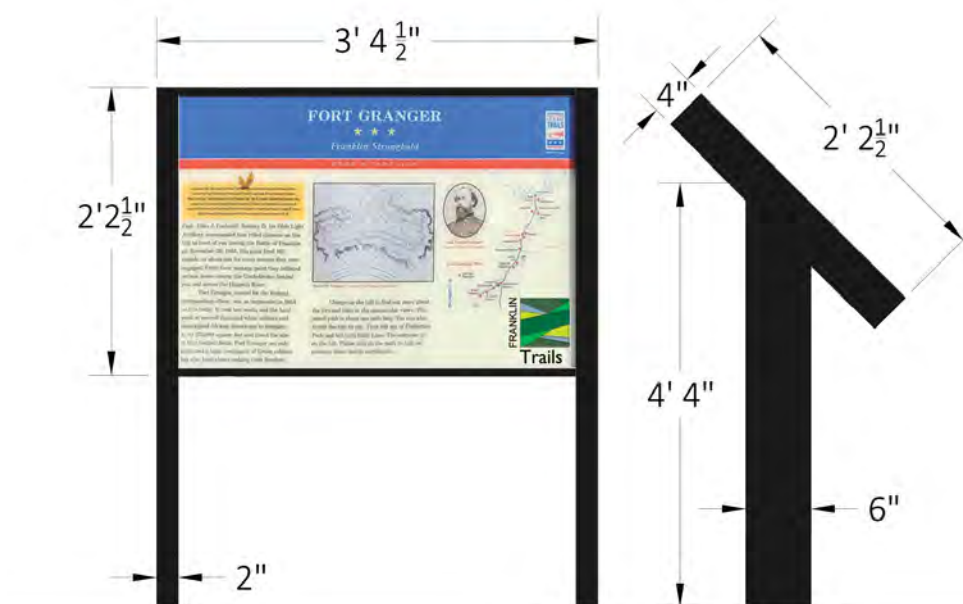


TRAIL HEAD SIGN WITH INFORMATIONAL SIGNAGE

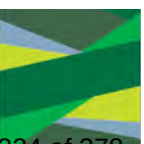


Interpretative Signage

There are a number of existing interpretive signs throughout the City of Franklin Parks. These signs should keep their original design measurements and layout. The foundation of the sign should be painted black to match all new signage and the logo should be placed in the lower right hand corner. Interpretative signs should tell a story or provide educational information related to the trail system or site history.



INTERPRETIVE PANEL



GUIDELINES

Sign Placement Example

These existing walking and hiking trails at Harlinsdale Farm are open to pedestrians and bicyclists when not being used by equestrians. Below is an example of where signage can be placed for the Franklin Trail sign family.



Harlinsdale Farm Trails



Trail Head



Trail Marker
1 Mile



Trail Marker
.5 Mile



CONTRIBUTIONS

Thank you to all those who contributed to the Franklin Branding and Wayfinding Guidelines

RIVERWALK AND TRAILS COMMITTEE

Adam Ballash, Chair

Steve Bacon

Torrey Barnhill

Julian Bibb

Lisa Clayton

Ellie Westman Chin

Tom Curl

Annette Dalrymple

Kelly Dannenfelser

Paula Harris

Pam Lewis

Kevin Lindsey

Andy Marshall

Jan Marshall

Tom Miller

Mary Pearce

Stacey Perry

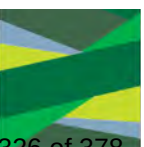
Bob Ravener

Matt Roberts

Marianne DeMeyers

Gary Vogrin

Josh Wingstrom





FRANKLIN TRAILS BRANDING & WAYFINDING GUIDELINES

DRAFT

TABLE OF CONTENTS

INTRODUCTION	3
GUIDELINES	4
Purpose and Goals	4
Brandmark	5
Existing Signage	6
Family of Signage	7
Community Branding	8
Improvements and Recommendations	9
Street Trail Sign	10
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Sign Placement Example	16
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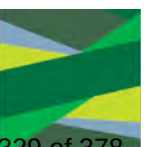
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Brandmark

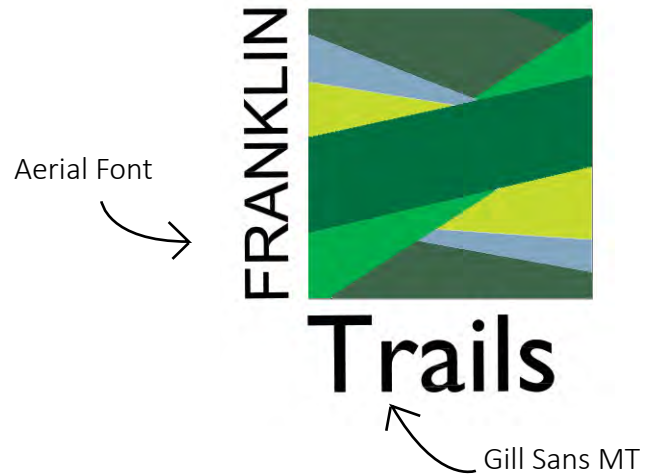
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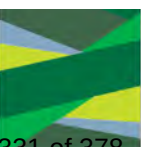
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Logo and Fonts



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GUIDELINES

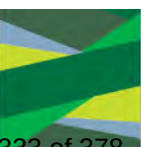
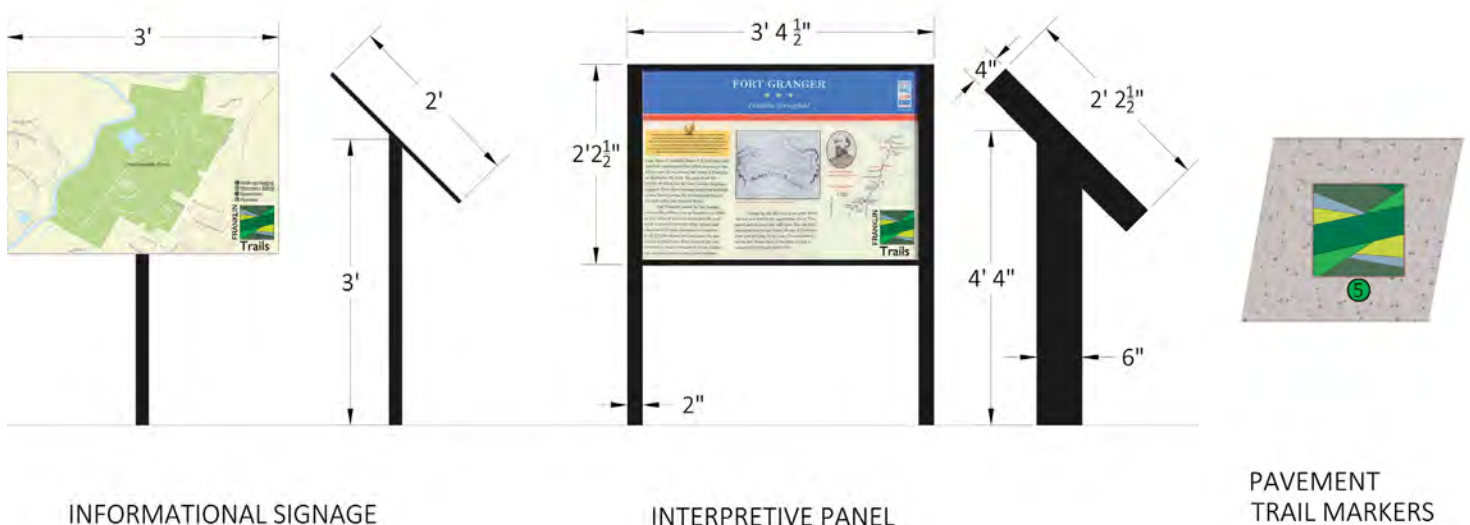
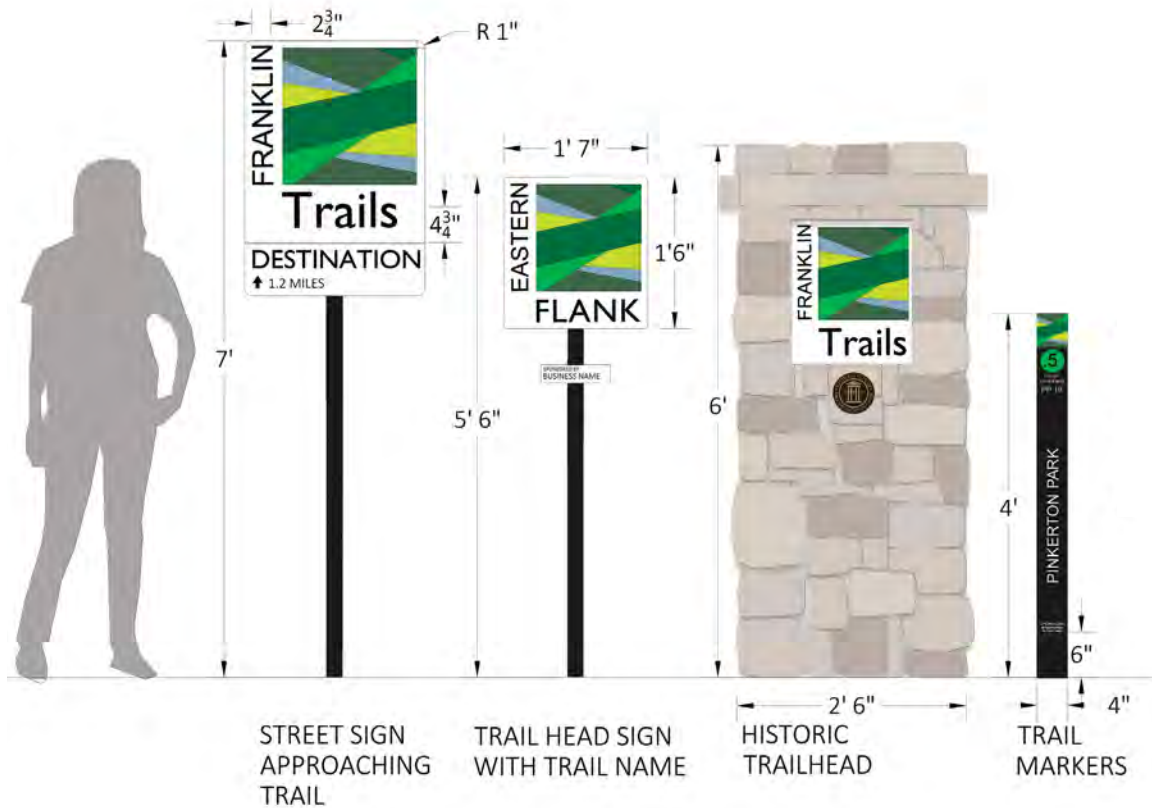
Existing Signage

The signage found throughout Franklin along the trails varies widely. The placement of the signs are numerous and offer a wide array of types, styles, and colors. Too many signs have an overwhelming appearance and do not contribute positively to the overall trail experience.



Family of Signage

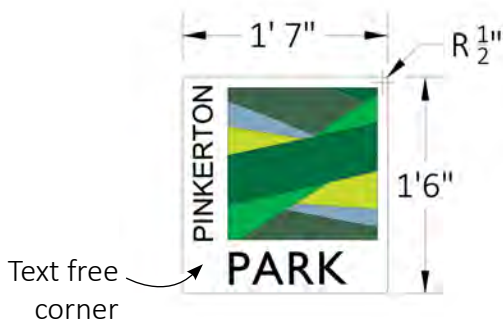
The family of signage consists of a variety of signs for use in different locations. The signs should reinforce the context of the surrounding trails and landscape. All signs should maintain a consistent color and style with the Franklin Trails logo.



GUIDELINES

Community Branding

Each trail should receive the name of the park, waterway, or community for which it is associated. New trails and their naming systems must be approved by the City of Franklin Park's Department prior to installation. The sizing of the text may be adjusted in instances of long names to properly fit on the sign.



Text sizes may vary. The vertical and horizontal text should fit within the edges of the logo when applicable. 1" clearance between the top of the logo and right side.



Improvements and Recommendations

Improvements should be made by removing any weathered, broken, repetitive or unnecessary signage from the trail and park entrances.

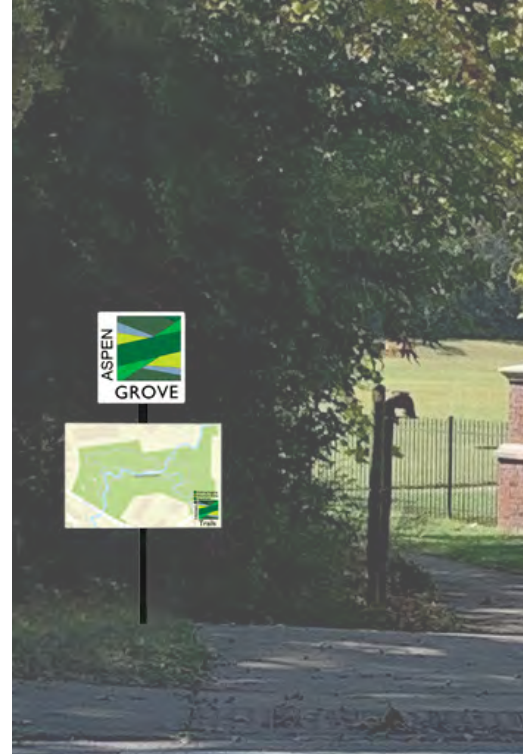
It is recommended that old signs be replaced with new signage or new signs may be retrofitted to older existing signs.



Existing Signage at Aspen Grove



New signage retrofitted onto existing signs



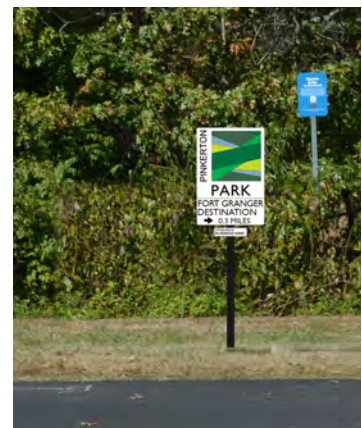
Removal of existing signs and placement of new signs



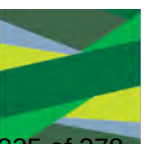
Existing Signage at Pinkerton Park



New signage with existing signs



Removal of existing sign and placement of new sign



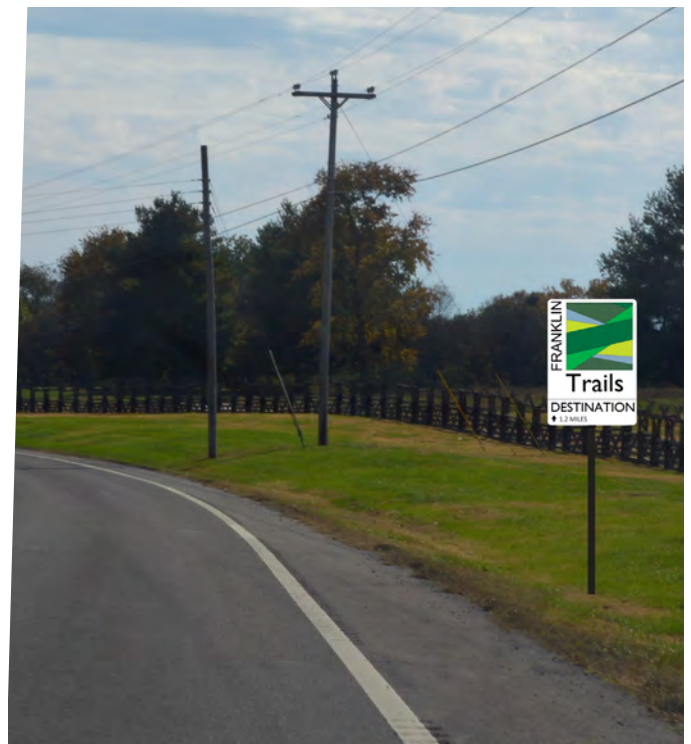
GUIDELINES

Street Trail Sign

The “Franklin Trails” signage provides notification a mile or more from the trail destination. These signs shall be placed within the right-of-way, letting trail users know of the upcoming destination. The sign should be at least seven feet tall and follow all roadway sign standards.

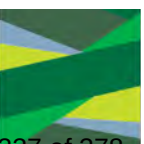
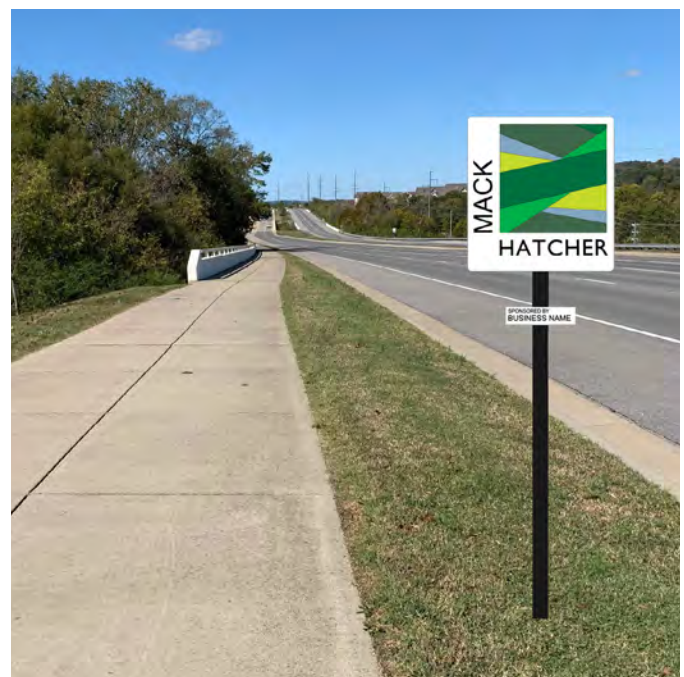


STREET SIGN APPROACHING TRAIL



Trail Head Sign

A Trail Head Sign should be placed at the main entrance of the trail and provide the name of the community or trail to which it serves. Underneath the trail head sign, sponsorship or advertising information can be added.



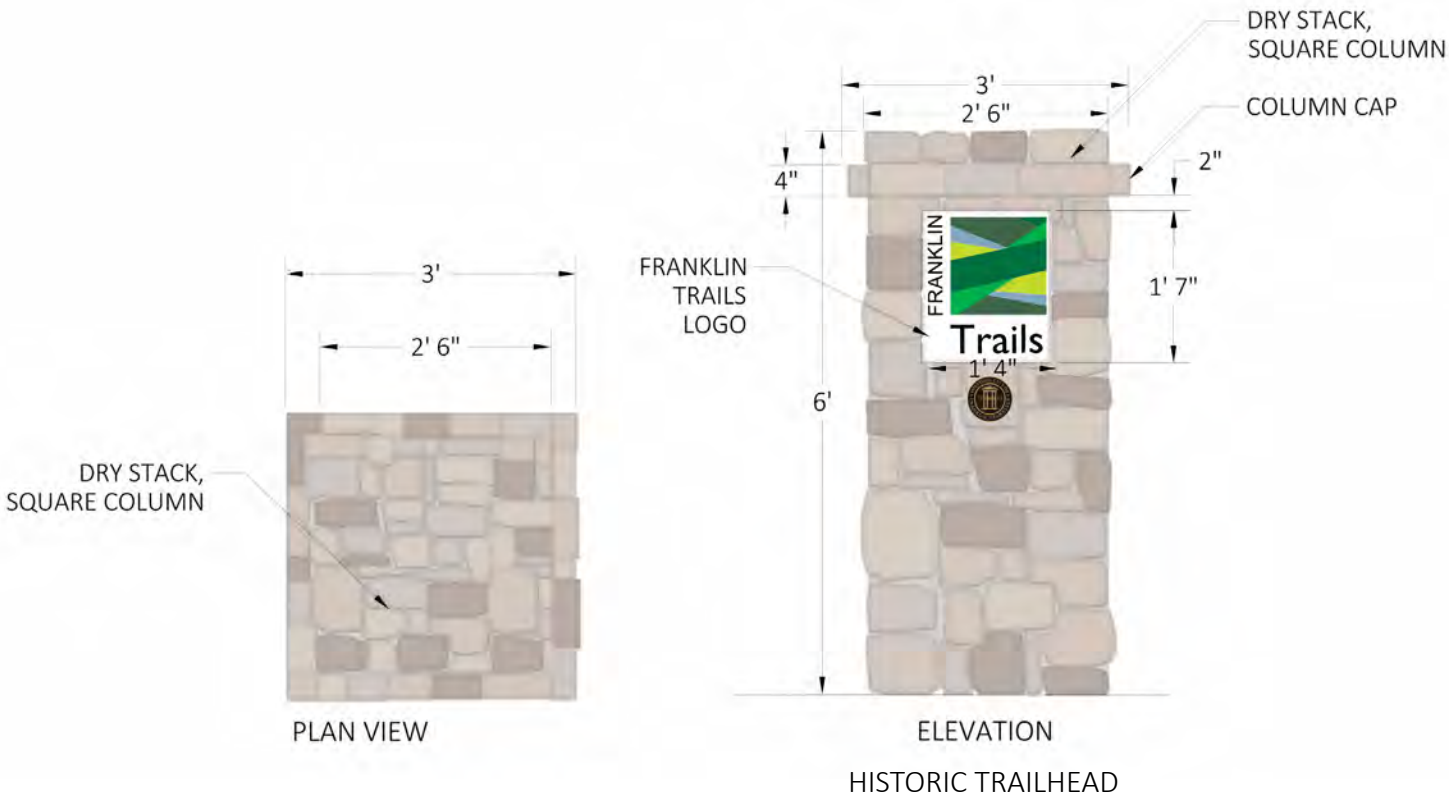
GUIDELINES

Historic Trail Sign

The stone columns with the incorporated signage should be used at trail heads within designated historic parks or battlefields. The stone design should match the layout, sizing, and color of the existing stone signage at City of Franklin Parks.

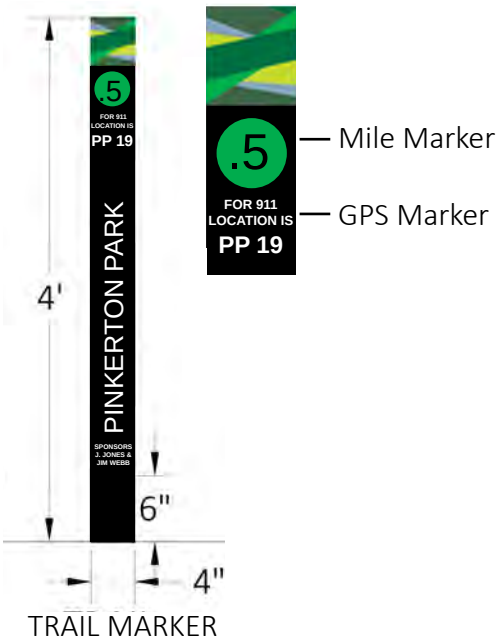


Existing Stone Signage



Trail Marker

The black pylon marker or the in-ground pavement marker shall be placed every quarter mile or half mile along the trail or at intersecting trails. The number within the circle indicates the mile distance from the trail head and the color represents whether the trail is walking/jogging, biking, equestrian, or blueway. The mileage should be shown on all sides of the marker in the direction of the trail indicated on the informational signage displayed at each trail head.



The square pylon is made of steel with reflective lettering. Directly underneath the mileage circle, a GPS marker provides the location for emergencies. Trail sponsorship information can be added 6" from the bottom of each pylon.

Thermoplastic, paint, or a decal should be utilized for the pavement markings.

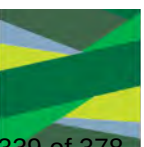


PAVEMENT TRAIL MARKER

- 5 Walking/Jogging
- 5 Mountain Biking
- 5 Equestrian
- 5 Blueway

The colored circle indicates the type of trail and the number corresponds with the mileage along the trail. The pylon trail marker and the in-ground pavement marker should be used in conjunction with the circled numbers.

The circle symbology should be placed on all trail head signage in the lower right hand corner.



GUIDELINES

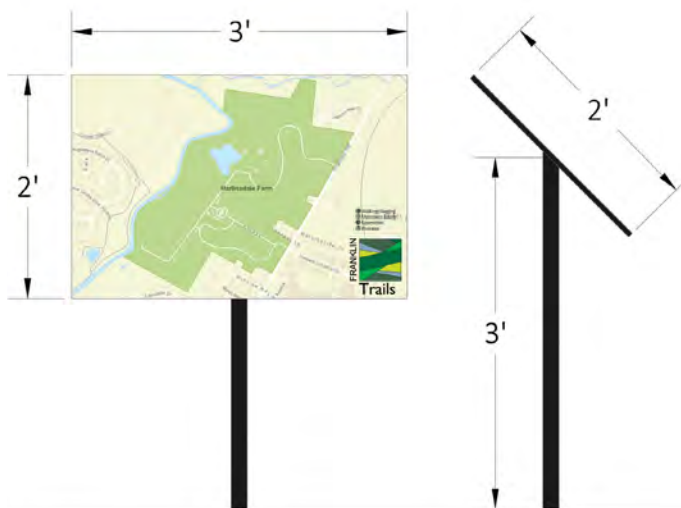
Informational Signage

A map of the trail system should be provided adjacent to the trail head showing the entire trail layout, mileage markers, and any trail connections. The Franklin Trails logo and the trail circle symbology should be provided in the lower right hand corner.

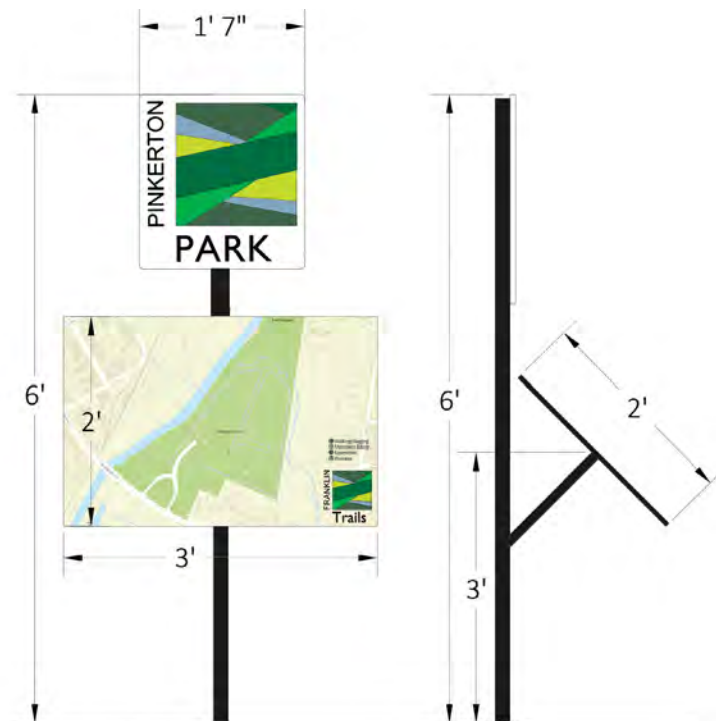
Existing informational signage shall be replaced or rehabilitated to match the new trail logo colors and design. When informational signage and trail head signage are in close proximity to each other, the two should be combined to eliminate the need for two signs placed side-by-side.



Trail Head Signage combined with Informational Signage



INFORMATIONAL SIGNAGE

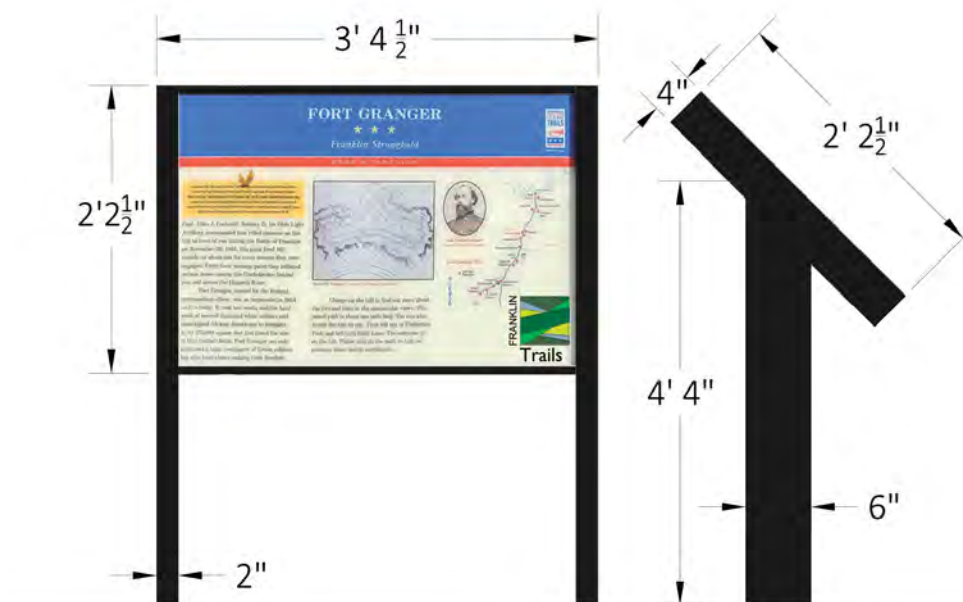


TRAIL HEAD SIGN WITH INFORMATIONAL SIGNAGE

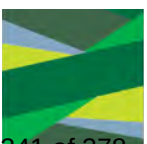


Interpretative Signage

There are a number of existing interpretive signs throughout the City of Franklin Parks. These signs should keep their original design measurements and layout. The foundation of the sign should be painted black to match all new signage and the logo should be placed in the lower right hand corner. Interpretative signs should tell a story or provide educational information related to the trail system or site history.



INTERPRETIVE PANEL



GUIDELINES

Sign Placement Example

These are existing walking trails at Pinkerton Park. Below is an example of where signage can be placed for the Franklin Trail sign family. The existing Interpretive Signage is to remain.



Pinkerton Park



Sign Placement Example



① Trail Head with Park Name & Informational Signage



② Trail Marker .25 Mile



③ Trail Marker .5 Mile



④ Trail Marker .75 Mile



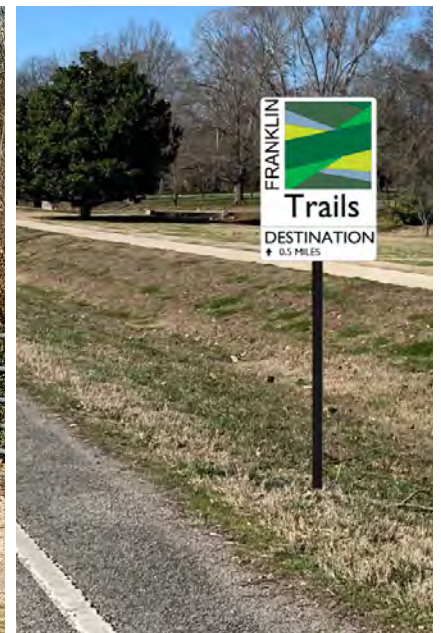
⑤ Trail Marker 1 Mile



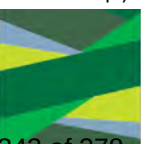
⑥ Destination Signage for Fort Granger



⑦ Trail Head to Fort Granger



⑧ Street Sign along Murfreesboro Road Placed .5 Miles from the Trail Head (Not Shown on Map)



GUIDELINES

Sign Placement Example

These existing walking and hiking trails at Harlinsdale Farm are open to pedestrians and bicyclists when not being used by equestrians. Below is an example of where signage can be placed for the Franklin Trail sign family.



Harlinsdale Farm Trails



Trail Head



Trail Marker
1 Mile



Trail Marker
.5 Mile



CONTRIBUTIONS

Thank you to all those who contributed to the Franklin Branding and Wayfinding Guidelines

RIVERWALK AND TRAILS COMMITTEE

Adam Ballash, Chair

Steve Bacon

Torrey Barnhill

Julian Bibb

Lisa Clayton

Ellie Westman Chin

Tom Curl

Annette Dalrymple

Kelly Dannenfelser

Paula Harris

Pam Lewis

Kevin Lindsey

Andy Marshall

Jan Marshall

Tom Miller

Mary Pearce

Stacey Perry

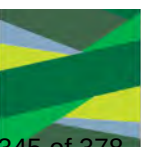
Bob Ravener

Matt Roberts

Marianne DeMeyers

Gary Vogrin

Josh Wingstrom





File #: 20-01440

DATE: May 12, 2021
TO: Board of Mayor and Aldermen
FROM: Lisa Clayton, Director of Parks
Shahad Abdulrahman, Staff Engineer

SUBJECT:

Consideration Of Resolution 2021-89, A Resolution to Approve The Updated Master Plan And Opinion Of Cost For Liberty Park.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) from the updated Liberty Park master plan and request approval of Resolution 2021-89.

BACKGROUND/STAFF COMMENTS:

On February 11, 2020, the Board of Mayor and Alderman approved COF Contract No. 2019-0378 to retain consultant services to update and revise the original master plan for Liberty Park from 2007. The process took into consideration several months of planning and data collection to incorporate what was originally designed or existing facilities and updating the plan for new sports or activities for future use. The original master plan from 2007 had an amphitheater, nature trails, tennis courts, multiple pavilions for the site. Construction began in 2008 and while some of the elements were added such as parking areas, a disc golf course and playground; the majority stopped due the economy in '08. Since twelve years had passed, the goal was to revisit the site; certain elements originally proposed and how to change the site to fit today's athletic demands.

In the new master plan, inclusion was a key word in updating the plan and improving the overall site. In 2019, the Parks Department met with several users of the park property. First was the Farmer's Market and how improving the site would assist this community driven program to be better for the seller and the buyer during peak seasons of the year. Secondly was a group of Cricket Players who requested practice space on the property. The growing sport of Cricket has over 400+ players in a league operated by Metro Nashville Parks. Over half of the players live in Williamson County with many living in Franklin. The opportunity to work with a diverse group of athletes who work and live in Franklin helped provide input into the new practice facility proposed. The third is building from the original plan of constructing tennis courts and hearing the need for pickle ball courts for the residents in the area. In 2019, the City opened the first mountain biking trails in the Cool Springs area which is less than a mile from Liberty Park. It will be very important to provide a true trailhead, restroom and parking area for those athletes who are starting the sport or decide to do several miles in the future. Where the 2007 plan had nature trails and an amphitheater, those have been replaced with mountain

biking trails and adequate parking to serve the trails and disc golf.

On January 12, 2021, during the Work Session, the Board of Mayor and Alderman provided four key requests be made to the concept master plan for Liberty Park. They were as follow:

- Add a minimum of (2) two basketball courts
- Change the Cricket Field to a Multipurpose Field for multiple sports
- Add a pedestrian connection from East McEwen
- Acquire the private residence located at the corner of McEwen and Oxford Glen in the future.

FINANCIAL IMPACT:

The total projected cost for proposed Liberty Park improvements within the master plan is estimated at approximately \$14,353,000. Attached is an itemized budget for the cost of each proposed improvement. Upon approval of the Board of Mayor and Alderman of the 2020 master plan, the Parks Department shall review the current capital improvements budget and update the Capital Investment Project sheets along with providing the current amount of parkland impact fees set aside to pay for the first set of improvements from the master plan. Currently, \$5,400,000 budgeted through the approved Capital Investment Plan for these improvements. Liberty Park is located in quadrant one which is on track to having future development with residential growth to pay for the majority of improvements for this community park over the next five to eight years.

RECOMMENDATION:

Staff recommends that Resolution 2021-89 is approved by BOMA for the Liberty Park updated master plan.





RESOLUTION NO. 2021-89

**RESOLUTION TO APPROVE THE LIBERTY PARK UPDATED MASTER PLAN
AND OPINION OF COST**

WHEREAS, the Board of Mayor and Aldermen reviewed the Liberty Park Master Plan on January 12, 2021; and

WHEREAS, the Board of Mayor and Aldermen conditioned approval on the following changes to the master plan:

1. Addition of 2 basketball courts.
2. Cricket Practice Field to be converted to a multi-purpose field.
3. Pedestrian Connection from East McEwen.
4. The private residence at the corner of McEwen & Oxford Glen Drive to be acquired by the City in the future when available; and

WHEREAS, the consultant worked with City staff to add the required changes to the Liberty Park Master Plan.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF FRANKLIN, TENNESSEE, AS FOLLOWS:

1. The City of Franklin approves the recommendations of the Liberty Park Master Plan and opinion of cost summary.
2. This resolution shall take effect from and after its adoption.

IT IS SO RESOLVED AND DONE on this ____ day of _____, 2021.

ATTEST:

CITY OF FRANKLIN, TENNESSEE:

By: _____
ERIC S. STUCKEY
City Administrator/Recorder

By: _____
DR. KEN MOORE
Mayor

Approved as to Form:

By: _____
Maricruz R. Fincher, Staff Attorney

LEGEND:

- SITE AMENITIES
- 1

PICKLEBALL FACILITY
- 2

TENNIS FACILITY
- 3

MAIN RESTROOM BUILDING
- 4

SATELLITE RESTROOM BUILDING
- 5

PLAYGROUND ADDITIONS
- 6

OPEN AIR FARMERS MARKET
- 7

BASEBALL BATTING CAGE ADDITION
- 8

ADA RAMP INTEGRATED STAIRS
- 9

REFURBISHED PARKING AREA
- 10

MOUNTAIN BIKE TRAIL
- 11

PUMP TRACK
- 12

MULTIPURPOSE FIELD
- 13

CRICKET BATTING CAGES
- 14

REDEFINED STORMWATER
- 15

12' SIDEWALKS
- 16

MOUNTAIN BIKE TRAIL HEAD
- 17

BASKETBALL COURT
- 18

RECOMMENDED FUTURE ACQUISITION
- 19

FUTURE PED. CONNECTION FROM EAST MCEWEN (LOCATION TO BE DETERMINED)
- EXISTING SITE AMENITIES
- 1

COLUMBIA STATE COMMUNITY COLLEGE
- 2

TVA EASEMENT
- 3

MARS PETCARE CORPERATE OFFICE
- 4

SITE UTILITY BUILDING
- 5

BASEBALL FIELDS
- 6

BATTING CAGES
- 7

DOG PARK
- 8

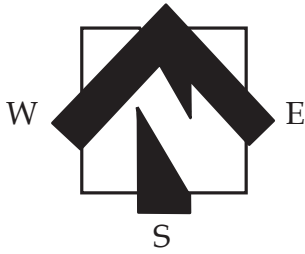
SALT FACILITY
- 9

PLAYGROUND
- 10

DISC GOLF COURSE



LIBERTY PARK
FRANKLIN, TENNESSEE



APRIL 2021
#19231



City of Franklin - Liberty Park		
May 20, 2021		
Description	Tab	Total Cost
Pickleball Facility	1	\$ 446,300
Tennis Facility	2	\$ 1,314,130
Main Restroom Building	3	\$ 1,111,980
Satellite Restroom Building - Dog Park	4.1	\$ 417,450
Satellite Restroom Building - to Serve Cricket, Multipurpose Field & Basketball Court	4.2	\$ 743,350
Satellite Restroom Building - Trails	4.3	\$ 585,900
Playground Additions	5	\$ 630,230
Open Air Farmers Market	6	\$ 412,160
Baseball Batting Cage Addition	7	\$ 367,560
ADA Ramp and Integrated Stair	8	\$ 252,320
Refurbished Parking Area	9	\$ 910,510
Mountain Bike Trail	10	\$ 113,120
Pump Track	11	\$ 751,000
Multipurpose Practice Field	12	\$ 1,852,160
Cricket Batting Cages	13	\$ 583,590
Redefined Storm Water	14	\$ 522,090
12' Sidewalks	15	\$ 421,510
Mountain Bike Trailhead	16	\$ 9,580
Baseball Fields Seating Enhancements	17	\$ 1,676,490
General Conditions (\$55,000 per month)		
Number of Months	10	\$ 550,000
Construction Costs		\$ 13,671,430
Design Fee (7.5%)		\$ 1,025,360
Total		\$ 14,696,790



File #: 21-02061

DATE: May 11, 2021
TO: Capital Investment Committee
FROM: Lisa Clayton, Director of Parks
Paul Holzen, Director of Engineering
Jonathan Marston, Asst. Director of Engineering
Shahad Abdulrahman, Staff Engineer

SUBJECT:

Consideration Of **Draft** Amendment 1 To COF Contract No. 2019-0376, A Professional Services Agreement With Barge Design Solutions, Inc. For The Design Of The Bicentennial Park Project At A Cost Increase Of \$22,500.00.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Amendment No. 1 to the Professional Services Agreement (PSA) with Barge Design Solutions, Inc. (Barge) for additional engineering services in the design of Bicentennial Park.

BACKGROUND/STAFF COMMENTS:

On March 10, 2020, the BOMA approved a PSA (COF Contract No. 2019-0376) with Barge to provide design services for the Bicentennial Park Project. Due to a winter storm, the southern portion of the existing pavilion structure collapsed on February 18, 2021. The intent of the original design was to repurpose the existing steel structure as the main pavilion for the park project. Following the collapse of a portion of the structure, staff asked the designer to provide a proposal to:

- Coordinate Inspection of the Remaining Structure,
- Provide a Design to Replace the Collapsed Portion of the Structure, and
- Re-analyze the remaining structure to verify the previous modification design is still applicable.

Amendment 1 provides these necessary additional services.

FINANCIAL IMPACT:

The original contract was for a lump sum amount of \$439,500. Amendment No. 1, as proposed, is at an increased cost of \$22,500. With approval of Amendment No. 1, the contract (COF Contract No. 2019-0376) ceiling will become \$462,000. Expenses for the original contract have been billed to the General Ledger (GL) code of 155-89310-44704, which corresponds to the Parkland Dedication

Quadrant 4 Fund. It is anticipated that the additional expenses of Amendment No. 1 will be billed to the same source, unless otherwise directed by the Finance Department.

RECOMMENDATION:

Staff recommends that Amendment 1 to COF Contract No. 2019-0376 be recommended for approval by the Board of Mayor and Aldermen.

**AMENDMENT NO. 1 TO
PROFESSIONAL SERVICES AGREEMENT
FOR BICENTENNIAL PARK PROJECT
COF Contract No. 2019-0376**

THIS AMENDMENT is made and entered into on this the ____ day of _____ 2021, by and between the **City of Franklin, Tennessee** ("City") and **Barge Design Solutions, Inc.** ("Consultant").

WITNESSETH:

WHEREAS, City and Consultant entered into a Professional Services Agreement ("Agreement") entitled Bicentennial Park, dated the 10th day of March 2020; and

WHEREAS, said Agreement stipulated that the Consultant would be paid a lump sum fee of Four Hundred Thirty-Nine Thousand Five Hundred and No/100 Dollars (\$439,500.00), as detailed in the Scope of Services and the Fee Schedule; and

WHEREAS, the City and Consultant realize the need for additional design work for the Project due to circumstances beyond the control of the Consultant; and

WHEREAS, the Consultant has provided a Proposal for additional engineering services, as described in Attachment A dated April 26, 2021, in the lump sum amount of **TWENTY-TWO THOUSAND FIVE HUNDRED AND NO/100 DOLLARS (\$22,500.00)**; and

WHEREAS, the City has reviewed the Proposal and desires to enter into an agreement for the Project as proposed.

NOW, THEREFORE, in consideration of these premises and the mutual promises contained herein, it is agreed by and between the parties as follows:

1. The foregoing recitals are incorporated by reference as if fully stated herein.
2. Consultant's Responsibilities and Duties. Consultant agrees to perform the work as proposed in their April 26, 2021, letter of proposal (**Attachment A**) which includes the Scope of Services for this Amendment, all of which shall be considered as an integral part hereof.
3. City's Responsibilities and Duties. City shall pay Consultant for the cost of the work as described in Attachment A in the lump sum amount of

TWENTY-TWO THOUSAND FIVE HUNDRED AND NO/100 DOLLARS (\$22,500.00);

The City reserves the right to issue any payments jointly to the Consultant and Sub-Consultant when the City receives information that the Consultant has not paid its Sub-Consultant.

4. Waiver. Neither party's failure nor delay to exercise any of its rights or powers under this Amendment will constitute or be deemed a waiver or forfeiture of those rights or powers. For a waiver of a right or power to be effective, it must be in writing signed by the waiving party. An effective waiver of a right or power shall not be construed as either (a) a future or continuing waiver of that same right or power, or (b) the waiver of any other right or power.

5. Severability. If any term or provision of the Amendment is held to be illegal or unenforceable, the validity or enforceability of the remainder of the Amendment will not be affected.

6. Precedence. In the event of conflict between this Amendment and the provisions of the previous Agreement(s), or any other contract, agreement or other document to which this Amendment may accompany or incorporate by reference, the provisions of this Amendment will, to the extent of such conflict (or to the extent the Agreement is silent), take precedence unless such document expressly states that it is amending this Amendment.

7. Entire Agreement. The Amendment between the parties supersedes any prior or contemporaneous communications, representations or agreements between the parties, whether oral or written, regarding the subject matter of the entire Amendment. The terms and conditions of this Amendment may not be changed except by an amendment expressly referencing this Amendment by section number and signed by an authorized representative of each party.

8. Additions/Modifications. If seeking any addition or modification to the Amendment, the parties agree to reference the specific paragraph number sought to be changed on any future document or purchase order issued in furtherance of the Amendment, however, an omission of the reference to same shall not affect its applicability. In no event shall either party be bound by any terms contained in any purchase order, acknowledgement, or other writings unless: (a) such purchase order, acknowledgement, or other writings specifically refer to the Amendment or to the specific clause they are intended to modify; (b) clearly indicate the intention of both parties to override and modify the Amendment; and (c) such purchase order, acknowledgement, or other writings are signed, with specific material clauses separately initialed, by authorized representatives of both parties.

9. Breach. Upon deliberate breach of the Amendment by either party, the non-breaching party shall be entitled to terminate the Amendment without notice, with all of the remedies it would have in the event of termination, and may also have such other remedies as it may be entitled to in law or in equity.

10. Survival. This Amendment shall survive the completion of or any termination of the original contract, revised contract, or agreement or other document to which it may accompany or incorporate by reference.

All other provisions of the Agreement dated March 10, 2020, are unchanged and remain in full force and effect.

IN WITNESS WHEREOF, the parties have executed this Amendment.

CITY OF FRANKLIN, TENNESSEE

Barge Design Solutions, Inc.

By: _____
Dr. Ken Moore
Mayor
Date: _____

By: _____
Print: _____
Title: _____
Date: _____

Attest:

Eric S. Stuckey
City Administrator
Date: _____

Approved as to form:

Maricruz R. Fincher, Staff Attorney

April 26, 2021
File No. 35968-01

Ms. Shahad Abdulrahman
City of Franklin
109 Third Avenue South
Franklin, Tennessee 37064

RE: BICENTENNIAL PARK – STRUCTURAL AMENDMENT #1

Dear Ms. Abdulrahman:

Barge Design Solutions, Inc. (Barge) encloses the details of Structural Amendment #1 based on our discussion on 4/9/2021. Attachment A details the additional effort required to replace the portion of the structure that has collapsed and inspect the portion of the structure that is remaining to determine if it suffered any significant damage during the collapse.

If we have not fully addressed your project requirements, or if you have questions regarding the proposal, please advise me immediately by calling (615) 252-4329.

We anticipate this work being performed under the terms and conditions of the current Bicentennial Park contract with the fee being adjusted to accommodate Structural Amendment #1. Please let us know if this is not the case.

Sincerely,
Barge Design Solutions, Inc.



Adrian Ward
Manager

Enclosures

cc: Mr. Paul Holzen, City of Franklin
Ms. Lisa Clayton, City of Franklin
Barge Project Team

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The scope of work is presented in the following elements.

- I. Project Description
- II. Scope of Services
- III. Assumptions
- IV. Additional Services
- V. Time of Performance
- VI. Client's Responsibilities
- VII. Deliverables
- VIII. Compensation

I. Project Description

The Bicentennial Park Improvements project is located in the City of Franklin between 3rd Avenue, North Margin Street, and the Harpeth River and consists of approximately 10 acres. The project includes proposed design improvements of the existing pavilion structure, development of the park, and general upgrades to establish a new event space for the City. The intent and purpose of this park is to serve multiple uses by the City of Franklin Parks Department, including entertainment and other types of venues, as well as to serve as a park for the general community.

On February 18, 2021, the southern portion of the existing pavilion structure collapsed. As the portion fell, the southern portion of the structure pulled away from the remaining portion of the pavilion and damaged portions of the remaining structure. Barge has performed a site visit to observe the damage. Based on conversations with the City, the City desires to replace the collapsed portion of the structure with a building type that is similar to the existing structure and utilize existing foundations where appropriate.

II. Scope of Services

Barge Design Solutions, Inc., proposes the following Scope of Services.

Structural

A. Coordinate Inspection of the Remaining Structure

- a. Barge recommends that a full inspection be performed on the remaining structure to determine the extent of the damage that occurred when a portion of the structure collapsed. A specialist will need to perform visual inspection as well as testing welds for fractures. The specialist will perform the following services:
 - i. Provide NDT welding inspector for one day
 - ii. Prepare inspection report
 - iii. Rent aerial lift for one day

Barge has included time in this scope of work to coordinate with the inspection company and review the results of their findings.

- b. A meeting will be held between Barge, the City and the structural inspector to discuss any identified damage as well as how to address the damage.
- B. Replacement Pavilion Design:
 - a. Provide construction documents detailing new steel framing that is to replace the collapsed portion of the pavilion.
 - i. New structure will be provided by pre-engineered metal building (PEMB) supplier with goal of matching existing structure geometry.
 - ii. If the existing structure does not have significant damage, then only the collapsed portion will be replaced. Fee does not include design in the event significant damage has occurred to the existing structure that is intended to remain.
 - iii. The new structure will not be structurally connected to the existing structure as it was previously.
 - iv. All project requirements and constraints will be coordinated with the PEMB supplier.
 - v. Develop a process for replacing damaged anchor bolts.
 - vi. Modify the existing demolition plan to address removal of the collapsed structure.
 - b. Re-analyze remaining structure to verify previous modification design is still applicable.
 - i. Since new structure will not be connected to the existing structure the structural loading on the existing frames will be different and will require further analysis to confirm its adequacy.

Architectural

- A. Coordinate Structural Changes
 - a. Barge architects will attend the meeting to discuss the structural inspection results and revise drawings based on the proposed replacement structure.
 - i. Barge anticipates the new structure being independent of the existing structure. Additionally, the gutter system between the two buildings will need to be modified from the current design.

III. Project Understanding, Assumptions, and Exclusions

- A. Existing foundations are appropriate for installation of PEMB. No design of foundations will be required.
- B. Geotechnical report provided by the COF will be used as the basis to confirm adequacy of foundations.
- C. Architectural fee includes only effort required to adjust the existing design to match the proposed PEMB. No effort has been included to make additional changes not otherwise mentioned.
- D. Client understands that the existing structure and the new structure will not be connected and that the currently designed gutter system between the two will require modification.
- E. Barge will have access to the site and adjoining areas, as required.
- F. It is the design intent to replace the existing collapsed portion of the structure with a code compliant structure that matches the previous structure, elevations, gable profiles and eave heights and that the COF will act as liaison with the historical zoning commission and other city agencies on behalf of Barge to allow these limited improvements to be made to the

existing structure that remains in order to bring it back to its original condition. No additional zoning, codes approvals, or planning approvals will be required beyond the standard City permitting process for this site.

- G. Schedule is dependent upon the timely receipt of critical information, such as input from the City, responses from regulatory authorities, and Owner/Contractor/Property Owners. Information to be provided by others will be received in a timely manner that corresponds to the design and construction schedule. If the information is not received in a timely manner, additional design fees or time may be required.
- H. Any Special Waste Permit requirements from TDEC, as well as associated fees, are by the contractor or Client. Barge will work with TDEC to identify those requirements and include those in the bid documents.
- I. Assumes project is not to be LEED-certified.
- J. Lead-based paint is present, and its removal and disposal will be addressed in the bid documents.

The following excluded services can be provided as an additional service with an appropriate adjustment in fees and schedule.

- A. Construction phase or additional geotechnical services.
- B. LEED design, documentation, and administration.
- C. Preparation of multiple, separate construction contract packages.
- D. As-built surveys and/or construction record surveys.
- E. Record drawing preparation based upon markups prepared by the general contractor.
- F. Development of perspective and/or presentation drawings.
- G. Lead-based paint and asbestos testing will be paid for by the contractor.
- H. Marketing services (web art, color plans, 3D model construction, still photography).

IV. Time of Performance

Barge is prepared to begin work immediately upon receipt of a signed professional services agreement or written authorization to proceed. Following the notice to proceed (NTP), Barge anticipates the following schedule with a 10 week duration.

Task	Duration (weeks)	Weeks from NTP
Receive NTP	0	0
Steel Inspection/Report	3	3
Review Report with City	1	4
Coordinate with PEBM	2	6
Finalize Structural/Architectural Drawings and Submit to City for DD Review	2	8
City review of DD Plans	2	10

V. Client's Responsibilities

Barge strives to work closely with our clients. For the project team to function efficiently, certain information is needed to be provided by Client and other interested stakeholders in a timely manner. These items and responsibilities are noted below.

- A. Provide information, collaboration, and decisions as required to support completion of the scope of work as described in this agreement.
- B. Provide review comments in a timely manner.
- C. Provide single point of contact for project coordination purposes.
- D. Project budget.

VI. Deliverables

The following is a list of probable deliverables that will be produced as part of this effort.

- A. PDFs of Conceptual plans for review
- B. PDFs of Design Development plans for review
- C. PDFs of Construction Documents plans and specifications for review
- D. PDFs of permit sets

VII. Compensation

The compensation to be paid to Barge for providing requested services shall be as follows.

- **Changes to the Construction Phase Services**

Structural/Architectural Services	Lump Sum	\$22,500
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File #: 20-0764

DATE: May 18, 2021
TO: Capital Investment Committee
FROM: Paul Holzen, Director of Engineering
Jonathan Marston, Asst. Director of Engineering

SUBJECT:

Consideration Of Resolution 2021-98, A Resolution Declaring Certain Right-Of-Way Located Between Glass Street And Green Street As Surplus.
CIC 5/28/20, 4-0

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Resolution 2021-98.

BACKGROUND/STAFF COMMENTS:

In March of 2021, the property owner at 935 Glass Street contacted City staff to request the abandonment of the alley located between Glass Street and Green Street.

The original width of this alley was 12-15 feet as shown on the E. E. Green Subdivision plan (Deed Book 32, Page 376) of record from June 8, 1910. It is staff's opinion that this alley provides no tangible benefit to the City and that the value of this alley is less than the \$25,000 threshold set forth in Municipal Code.

FINANCIAL IMPACT:

There is no significant financial impact associated with this action.

RECOMMENDATION:

Staff recommends that Resolution 2021-98 be recommend to the Board of Mayor and Alderman for approval.

RESOLUTION 2021-98

TO BE ENTITLED: “A RESOLUTION DECLARING CERTAIN RIGHT-OF-WAY LOCATED BETWEEN GLASS STREET AND GREEN STREET AS SURPLUS”

WHEREAS, the Board of Mayor and Aldermen (BOMA) by approving this resolution, are determining that the existing right-of-way between Glass Street and Green Street as shown on Exhibit A is no longer necessary, suitable and desirable as public right-of-way; and

WHEREAS, because this right-of-way as shown in Exhibit A is no longer needed, the City now desires to declare the Right-of-Way as surplus property in order to sell or dispose of the property to the adjoining property owners of Map 78B, Parcel Nos. 6, 7, 8, 9, 11, 12, 21, 22, 23, 24, 25, 26, 27 and 28; and

WHEREAS, the existing right-of-way between Glass Street and Green Street would be considered a non-buildable lot and staff has determined the value to be less than \$25,000; and

WHEREAS, in general the surplus property shall be disposed of equally (50/50) to property owners adjacent to both sides of the City right-of-way as shown in Exhibit A; and

WHEREAS, the City will realize additional tax benefits from this property being returned to the tax roll with such transfer of ownership of the property; and

WHEREAS, Municipal Code (Chapter 8; Sec. 5-802) allows for the BOMA to sell or dispose of right-of-way by negotiated contract or by other means that will adequately protect the public interest when the value does not exceed \$25,000.

NOW THEREFORE, BE IT RESOLVED by the Board of Mayor and Aldermen of the City of Franklin, Tennessee, that the Right-of-Way as shown in attached Exhibit A is hereby declared surplus property.

BE IT FURTHER RESOLVED by the Board of Mayor and Aldermen that the right-of-way so declared as surplus shall be disposed equally (50/50) to the property owners of Map 78B, Parcel Nos. 6, 7, 8, 9, 11, 12, 21, 22, 23, 24, 25, 26, 27 and 28 as negotiated by the City Engineer and approved by the City Administrator with the following conditions:

- 1) Require a Public Utility and Drainage Easement on 100% of the property being vacated.
- 2) According to City policy, staff shall not abandon portions of the alley and shall ensure the property, as shown on Exhibit A, is abandoned in its entirety.

IT IS SO RESOLVED AND DONE on this _____ day of _____, 2021.

ATTEST:

CITY OF FRANKLIN, TENNESSE

By: _____

ERIC S. STUCKEY
City Administrator

By: _____

DR. KEN MOORE
Mayor

Approved as to Form

By: _____

William E. Squires
Assistant City Attorney



File #: 21-02082

DATE: May 19, 2021
TO: Capital Investment Committee
FROM: Paul Holzen, Director of Engineering
Jonathan Marston, Asst. Director of Engineering
Shahad Abdulrahman, Staff Engineer

SUBJECT:

Consideration Of **Draft** Amendment No. 1 To COF Contract No. 2016-0230, A Professional Services Agreement With Civil Infrastructure Associates For The Watson Branch Culvert Rehabilitation Project At A Cost Increase Of \$3,185.00.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Alderman (BOMA) concerning Amendment No. 1 to the Professional Services Agreement (PSA) with Civil Infrastructure Associates (CIA) for the Watson Branch Culvert Rehabilitation project.

BACKGROUND/STAFF COMMENTS:

On November 22, 2016, the BOMA approved a PSA (COF Contract No. 2016-0230) with CIA to provide the design for the Watson Branch Culvert Rehabilitation project. The purpose of this project was to replace an existing 72-inch corrugated metal pipe (CMP) drainage culvert in the Maplewood Subdivision. The existing culvert was about 40 years old and in very poor condition. The design, which was nearing completion, was postponed to allow for a more complete discussion regarding the funding of future stormwater capital projects.

Following the approval of the latest Capital Investment Program (CIP), staff instructed the designer to complete the plans in preparation for construction. During this process, staff requested some modifications and updates to the bid documents. The construction project was completed in 2020, but the request for design modifications and updates did cause the designer to expend additional resources, which were above and beyond the original agreement. This Amendment No. 1 covers these additional costs.

FINANCIAL IMPACT:

The cost of the original agreement was \$30,640.00. Amendment No. 1 represents a cost *increase* of \$3,185.00, which would bring the total ceiling for COF Contract No. 2016-0230 to \$33,825.00. Design expenses for this project have been paid from the Stormwater Fund, which correlates to a General Ledger (GL) code of 135-89410-43125. It is anticipated that the additional expenses associated with Amendment No. 1 will be paid from the same source, unless otherwise directed by Administration and Finance.

RECOMMENDATION:

Staff recommends that Amendment No. 1 to COF Contract No. 2016-0230 be recommended for approval by the Board of Mayor and Aldermen.

**AMENDMENT NO. 1 TO
PROFESSIONAL SERVICES AGREEMENT
FOR WATSON BRANCH CULVERT REHABILITATION
PROJECT
COF Contract No. 2016-0320**

THIS AMENDMENT is made and entered into on this the ____ day of _____, 2021, by and between the City of Franklin, Tennessee ("City") and Civil Infrastructure Associates ("Consultant").

WITNESSETH:

WHEREAS, on November 22, 2016, the City and the Consultant entered into a Professional Services Agreement ("Agreement") entitled Watson Branch Culvert Rehabilitation; and

WHEREAS, said Agreement stipulated that the Consultant would be paid a fee of Thirty Thousand Six Hundred Forty Dollars and No/100 Dollars (\$30,640.00) as detailed in the Scope of Services and Fee Schedule; and

WHEREAS, the City requested minor design modifications and updated bidding documents, which the Consultant provided in December 2019; and

WHEREAS, the Consultant has provided a Proposal ("Attachment A") for an increase in engineering services to provide the requested design modifications and updated bidding documents in the amount of **Three Thousand One Hundred Eighty-Five Dollars and No/100 Dollars (\$3,185.00)**; and

WHEREAS, the City has reviewed the Proposal and desires to enter into an amendment to the Agreement for the Project as proposed.

NOW, THEREFORE, in consideration of these premises and the mutual promises contained herein, it is agreed by and between the parties as follows:

1. The foregoing recitals are incorporated by reference as if fully stated herein.
2. Consultant's Responsibilities and Duties. The Consultant agrees to perform the work as proposed in Attachment A, which includes the Scope of Services for this Amendment, all of which shall be considered as an integral part hereof.
3. City's Responsibilities and Duties. The City shall pay the Consultant for the cost of the work as described in Attachment A in the amount of **Three Thousand One Hundred Eighty-Five Dollars and No/100 (\$3,185.00)**.

The City reserves the right to issue any payments jointly to the Consultant and Sub-Consultant when the City receives information that the Consultant has not paid its Sub-Consultant.

4. Waiver. Neither party's failure nor delay to exercise any of its rights or powers under this Amendment will constitute or be deemed a waiver or forfeiture of those rights or powers. For a waiver of a right or power to be effective, it must be in writing signed by the waiving party. An effective waiver of a right or power shall not be construed as either (a) a future or continuing waiver of that same right or power, or (b) the waiver of any other right or power.

5. Severability. If any term or provision of the Amendment is held to be illegal or unenforceable, the validity or enforceability of the remainder of the Amendment will not be affected.

6. Precedence. In the event of conflict between this Amendment and the provisions of the previous Agreement(s), or any other contract, agreement or other document to which this Amendment may accompany or incorporate by reference, the provisions of this Amendment will, to the extent of such conflict (or to the extent the Agreement is silent), take precedence unless such document expressly states that it is amending this Amendment.

7. Entire Agreement. The Amendment between the parties supersedes any prior or contemporaneous communications, representations or agreements between the parties, whether oral or written, regarding the subject matter of the entire Amendment. The terms and conditions of this Amendment may not be changed except by an amendment expressly referencing this Amendment by section number and signed by an authorized representative of each party.

8. Additions/Modifications. If seeking any addition or modification to the Amendment, the parties agree to reference the specific paragraph number sought to be changed on any future document or purchase order issued in furtherance of the Amendment, however, an omission of the reference to same shall not affect its applicability. In no event shall either party be bound by any terms contained in any purchase order, acknowledgement, or other writings unless: (a) such purchase order, acknowledgement, or other writings specifically refer to the Amendment or to the specific clause they are intended to modify; (b) clearly indicate the intention of both parties to override and modify the Amendment; and (c) such purchase order, acknowledgement, or other writings are signed, with specific material clauses separately initialed, by authorized representatives of both parties.

9. Breach. Upon deliberate breach of the Amendment by either party, the non-breaching party shall be entitled to terminate the Amendment without

notice, with all of the remedies it would have in the event of termination, and may also have such other remedies as it may be entitled to in law or in equity.

10. Survival. This Amendment shall survive the completion of or any termination of the original contract, revised contract, or agreement or other document to which it may accompany or incorporate by reference.

All other provisions of the Agreement, dated November 22, 2016, are unchanged and remain in full force and effect.

IN WITNESS WHEREOF, the parties have executed this Amendment.

CITY OF FRANKLIN, TENNESSEE

Civil Infrastructure Associates

By: _____
Dr. Ken Moore
Mayor
Date: _____

By: _____
Print: _____
Title: _____
Date: _____

Attest:

Eric S. Stuckey
City Administrator
Date: _____

Approved as to form:

Maricruz R. Fincher, Staff Attorney



307 Hickerson Drive
Murfreesboro, TN 37129
tel 615.516.2852
www.cia-engineers.com

AMENDMENT REQUEST

TO: David Hodnett, P. E - City of Franklin Engineering Department
FROM: Linda Sullivan, P.E., Civil Infrastructure Associates, LLC
SUBJECT: Summary of work completed
PROJECT: Watson Branch Culvert Lining

1. Amendment Request Justification: 90% plans and specifications for this project were originally completed in early 2017; due to budgetary constraints, the final completion and construction were postponed until late 2019/2020. The time lapse (2 years) created the need to update all as listed below to complete the bid documents.
 - Kick-off meeting to address the city's final comments on September 20'th 2019.
 - Plans revisions consisting of headwall and endwall revisions, adjust traffic control, adjust easement documents.
 - Update quantities
 - Update specifications
 - Supply public hearing documents
2. Cost:
 - PM @ \$150/hr = \$1,460
 - Sr.Tech @ \$115/hr = \$1,725

Total cost: \$1,460 + \$1725 = \$3,185.00



File #: 21-02083

DATE: May 19, 2021
TO: Capital Investment Committee
FROM: Paul Holzen, Director of Engineering
Jonathan Marston, Asst. Director of Engineering
Sarah Roop, Right of Way Agent

SUBJECT:

Consideration Of **Draft** Resolution 2021-99, A Resolution Authorizing The Donation Of Right-Of-Way And Easements That Are Required For The State Route 106 Culvert Replacement Project (TDOT PIN 128227.00) To The Tennessee Department Of Transportation.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Resolution 2021-99.

BACKGROUND/STAFF COMMENTS:

In 2020, the Tennessee Department of Transportation (TDOT) notified the City of an upcoming culvert replacement project (TDOT PIN 128227.00) on State Route 106 (SR-106), which is known locally as Lewisburg Pike. The project generally includes the replacement of the existing drainage culvert that crosses SR-106 just north of Eastern Flank Circle. City staff negotiated with TDOT to extend the length of the replacement culvert to accommodate the City's future multi-use trail project along Lewisburg Pike. This accommodation will prevent the need for the City to construct a separate pedestrian bridge or culvert extension to allow for the future multi-use trail. TDOT staff understood the value of this request and agreed to modify the design and to construct the additional length of culvert.

TDOT has completed the project design and is now in the right-of-way acquisition phase. TDOT has notified the City of its intent to acquire right-of-way and easements required for the construction of this project. The City has the option of selling the required right-of-way and easements to TDOT for fair market value or to donate the property to TDOT. Because the property needed for this project is located in a low lying, stream adjacent area, it is of no real value to the City. Therefore, City staff recommends that all right-of-way and easements required for this project be donated to TDOT. This will result in the project moving forward to construction more quickly, and it will result in minor tax payer savings by eliminating the cost for an appraisal and review appraisal.

FINANCIAL IMPACT:

Donation of right-of-way and easements to TDOT for this project will result in the loss of any revenue that could be generated by the sale of said right-of-way and easements to TDOT. However, TDOT's inclusion of the additional culvert length, at no cost to the City, will result in savings to the City's future multi-use trail project that would far outweigh the sales price of this small amount of property.

RECOMMENDATION:

Staff recommends that Resolution 2021-99 be recommended for approval by the Board of Mayor and Aldermen.

Please save this template to your computer and then edit; do not save changes to this template.
Thank you!!

RESOLUTION ~~XXXX-XX~~2021-99

A RESOLUTION ~~{INSERT TEXT}~~AUTHORIZING THE DONATION OF RIGHT-OF-WAY AND/OR EASEMENTS THAT ARE REQUIRED FOR THE STATE ROUTE 106 CULVERT REPLACEMENT PROJECT (TDOT PIN 128227.00) TO THE TENNESSEE DEPARTMENT OF TRANSPORTATION THAT ARE NECESSARY FOR THE STATE ROUTE 106 CULVERT REPLACEMENT PROJECT (TDOT PIN 128227.00)

WHEREAS, in 2020, the Tennessee Department of Transportation (“TDOT”) notified the City of Franklin (“City”) of an upcoming culvert replacement project (TDOT PIN 128227.00) on State Route 106 (“SR-106”), which is also known locally as Lewisburg Pike~~{INSERT TEXT}~~; and

WHEREAS, ~~{INSERT TEXT}~~said project generally includes the replacement of the existing drainage culvert that crosses SR-106 just north of Eastern Flank Circle, or more specifically, the one-way exit to the City’s Eastern Flank Battlefield Park; and

WHEREAS, ~~{INSERT TEXT}~~City staff negotiated with TDOT to extend the length of the replacement culvert to accommodate the City’s future multi-use trail project along Lewisburg Pike; and

WHEREAS, ~~{INSERT TEXT}~~said extension of the proposed culvert will eliminate the need for the City to build a separate bridge at this location for its multi-use trail project; and-

WHEREAS, TDOT modified the design plans and will construct the additional length of culvert at no cost to the City; and

WHEREAS, TDOT must acquire additional right-of-way and easements from the City to allow for the construction of said replacement culvert; and

WHEREAS, the City property that will be acquired by TDOT for this project is low lying, adjacent to a stream, and is of no real value to the City; and

WHEREAS, City staff recommends the donation of right-of-way and easements to TDOT for this culvert replacement project in exchange for the extended culvert length being provided by TDOT, at no cost to the City, to accommodate the City’s future multi-use trail project.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF FRANKLIN, TENNESSEE, AS FOLLOWS:

~~{INSERT TEXT}~~In exchange for TDOT expanding the scope of its culvert replacement project (PIN 128227.00) on SR-106 to accommodate the City’s future multi-use trail project, approval is granted to allow the donation of all right-of-way and easements from the City to TDOT that are required for the construction of said culvert replacement project (PIN 128227.00);

IT IS SO RESOLVED AND DONE on this ____ day of _____, 20__.

(Signatures on Following Page)

ATTEST:

CITY OF FRANKLIN, TENNESSEE:

By: _____

Eric S. Stuckey
City Administrator

By: _____

Dr. Ken Moore
Mayor

Approved as to Form:

By: _____

Shauna R. Billingsley
City Attorney



File #: 21-02081

DATE: May 19, 2021
TO: Capital Investment Committee
FROM: Paul Holzen, Director of Engineering
Jonathan Marston, Asst. Director of Engineering

SUBJECT:

Capital Projects Dashboard And Status Updates For May 2021.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning the status of some of the City's transportation, stormwater, and parks capital projects.

BACKGROUND/STAFF COMMENTS:

To access the live dashboard for the City of Franklin Capital Investment Projects, please go to the following City webpage:

[COF Dashboard Link](#)

Manually locate the dashboard following the instructions below:

1. Go to the City of Franklin's main website at: <https://www.franklin.tn.gov/>,
2. Hover your mouse over "Our City",
3. Click on "City Projects",
4. Click on "Capital Projects Dashboard".

FINANCIAL IMPACT:

N/A

RECOMMENDATION:

None

City of Franklin Capital Improvement Projects



- Type
- ☒ All
 - ☐ Facilities
 - ☐ Parks
 - ☐ Stormwater
 - ☐ Transportation
 - ☐ Water Management

- Phase
- ☒ All
 - ☐ Design
 - ☐ ROW
 - ☐ Construction

- Project Status
- ☒ All
 - ☐ Active
 - ☐ Completed

Dollars Spent To Date
\$701,949

Project Budget
\$19,634,800

Design ROW Construction

Current Projects
30

- 1 - East McEwen Drive Phase 5 Extension
- 2 - Fire Station No. 7 (Goose Creek Area)
- 3 - Municipal Services Complex Improvements
- 4 - Southeast Municipal Complex (Park)
- 5 - Lockwood Glen Park
- 6 - Bicentennial Park
- 7 - Harlinsdale Farm Bridge & Greenway
- 8 - East Flank Circle Resurfacing
- 9 - 100-Block Battle Avenue Drainage Improvements
- 10 - Watson Branch (Maplewood) Culvert Rehabilitation
- 11 - Liberty-Mallory Intersection Improvements
- 12 - East McEwen Drive Roundabout Improvements
- 13 - SR-96 West Multi-Use Trail
- 14 - Westhaven Boulevard Traffic Signal
- 15 - Jordan Road Improvements
- 16 - Old Peytonsville Road & Long Lane Bridge & Connector
- 17 - West Main Street Bridge Widening
- 18 - Columbia Avenue Widening & Improvements
- 19 - Franklin Road Improvements & Streetscape
- 20 - 5th Avenue Parking Lot
- 21 - McEwen Drive Interchange Improvements
- 22 - East McEwen Drive Phase 4 Improvements
- 23 - Henpeck Lane Sanitary Sewer Improvements
- 24 - Water Reclamation Facility Modifications

