



Meeting Agenda

Capital Investment Committee

Thursday, March 24, 2022

3:30 PM

Board Room

CALL TO ORDER

APPROVAL OF MINUTES

1. Consideration Of Approval Of Minutes Of The January 27, 2022 Capital Investment Committee Meeting.

NEW BUSINESS

2. Consideration Of Resolution 2022-17, A Resolution Authorizing Condemnation For The Acquisition Of Rights-Of-Way And Easements For The Del Rio Pike Improvements Project.

Sponsors: Jimmy Wiseman

3. Consideration Of COF Contract No. 2021-0346, Road Impact Fee Reimbursement Agreement with Patterson Company, LLC Regarding The Extension Of Market Street In The Tap Root Hills PUD Subdivision.

Sponsors: Paul Holzen, Jimmy Wiseman

4. Consideration Of DRAFT COF Contract No. 2022-0022, With Hazen And Sawyer Proposal For Reservoir Management Phase 3 Task Order For A Total Of \$29,545.

Sponsors: Michelle Hatcher

5. Consideration Of DRAFT Change Order 10 To COF Contract No. 2017-0264, With Kiewit Infrastructure South Co., For The Water Reclamation Facility Modifications & Expansion Project For A Net Decrease Of \$424,066.40.

Sponsors: Michelle Hatcher, Brian Goodwin

6. Consideration To Deny Sewer Availability At 1111 Beech's Tavern Trail (Map 053 Parcel 01000).

Sponsors: Michelle Hatcher

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 #: 21-02961

DATE: March 3, 2022
TO: Capital Investment Committee
FROM: Eric Stuckey, City Administrator
Jimmy Wiseman, Asst. Director of Engineering

SUBJECT:

Consideration Of Resolution 2022-17, A Resolution Authorizing Condemnation For The Acquisition Of Rights-Of-Way And Easements For The Del Rio Pike Improvements Project.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Consideration Of Resolution 2022-17, A Resolution Authorizing Condemnation For The Acquisition Of Rights-Of-Way And Easements For The Del Rio Pike Improvements

BACKGROUND/STAFF COMMENTS:

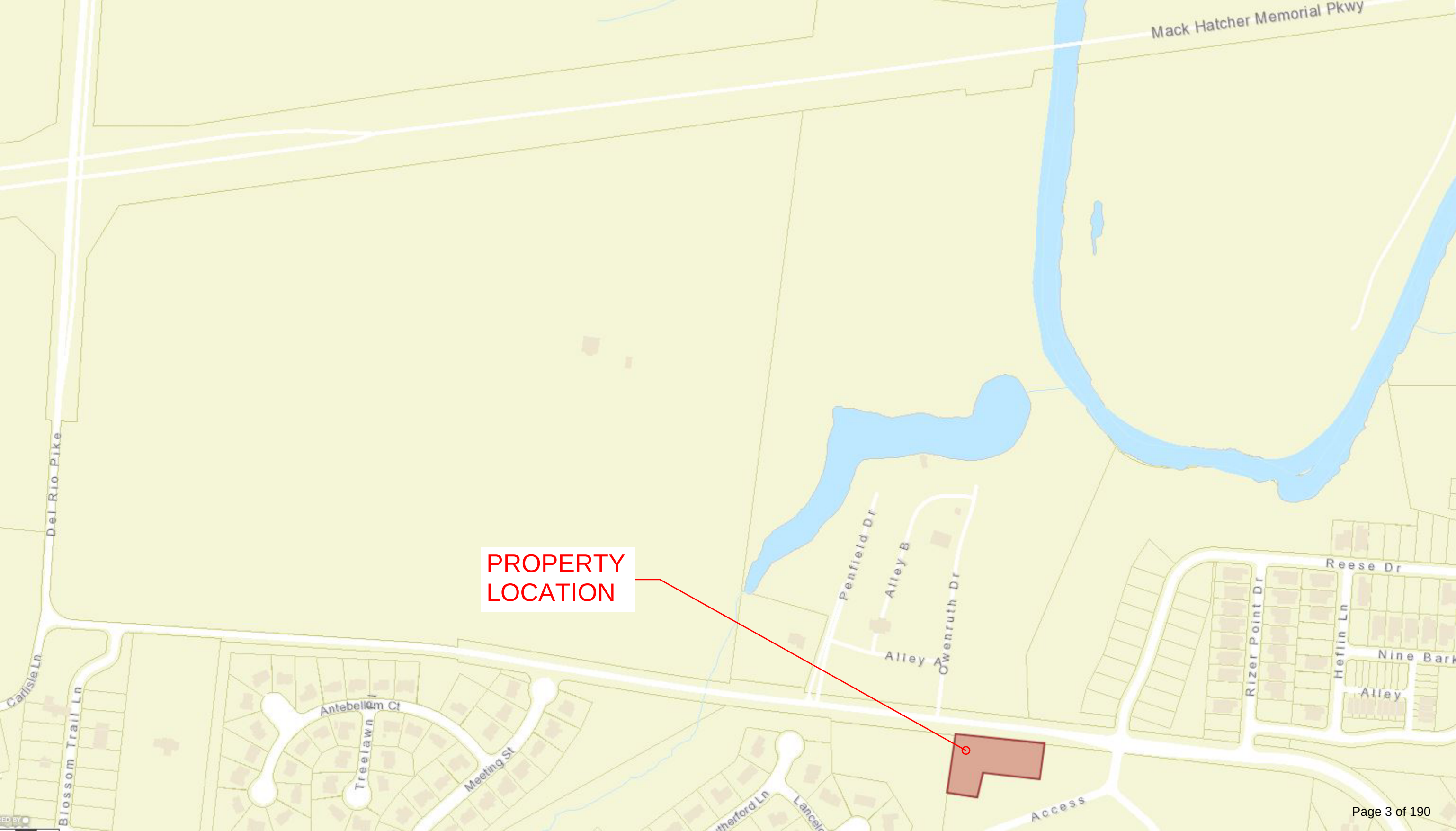
The Reese Farm PUD Subdivision is required to widen Del Rio Pike to three 12' lanes with curb and gutter and bike lanes on each side. This parcel is titled to Zaring Homes, but that entity no longer exists. Drees Homes bought the property titled to Zaring Homes by deed 2119-248, corrected in 2490-791, but the property subject to the right-of-way and slope easements was not conveyed and is a left-over tract of land after Zaring developed Founders Pointe. City Staff and the Developer have not been able to verify that Drees has title to the property. The reasonable course of action would be to condemn the property in order to make the roadway improvements.

FINANCIAL IMPACT:

The appraised value of the needed right-of-way and easements is Three Thousand Two Hundred Twenty Five and No/100 Dollars (\$3,225.00).

RECOMMENDATION:

Staff recommends that Resolution 2022-17 be recommended to the Board of Mayor and Aldermen for approval.



PROPERTY
LOCATION

RESOLUTION 2022-17

A RESOLUTION AUTHORIZING CONDEMNATION FOR THE ACQUISITION OF RIGHTS-OF-WAY AND EASEMENTS FOR THE DEL RIO PIKE IMPROVEMENTS PROJECT

WHEREAS, the Board of Mayor and Aldermen of the City of Franklin, Tennessee (“the Board”) has determined that the construction of certain roadway, bicycle, pedestrian, and other infrastructure improvements within the city limits are necessary, suitable, and desirable for the public welfare; and

WHEREAS, these improvements are generally described as the widening and reconstruction of Del Rio Pike, including the construction of bicycle, pedestrian, and other infrastructure improvements, from just west of Reese Drive to just west of 2974 Del Rio Pike; and

WHEREAS, it will be necessary, in order to construct said improvements, for the City to obtain additional rights-of-way (real property) and easements (real property interest) from the owners of the property listed on the attached Exhibit A; and

WHEREAS, the Board expressly finds that the City has the power of eminent domain to extend public roads (see T.C.A § 29-17-301, et. seq.) and to acquire easements and rights-of-way necessary for proper completion of the said improvements, and that the acquisition of such easements and/or rights-of-way is for a public purpose and for a public use, and that the acquisition of the private property hereinafter described is necessary to accomplish said public use.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF FRANKLIN, TENNESSEE, AS FOLLOWS:

Section 1. The City Engineer and/or the City Attorney are authorized to obtain the necessary rights-of-way, permanent easements, and/or temporary easements on and/or across the properties listed in Exhibit A hereto and may enter into agreements with property owners with respect to the compensation to be paid for the said rights-of-way and/or easements, so long as such amounts are reasonable and supported by a qualified appraisal.

Section 2. The City Engineer and/or the City Attorney are authorized to continue negotiating with any landowner for the acquisition of the necessary rights-of-way and/or easements without resort of condemnation. However, if an impasse is reached with a property owner and condemnation is the only alternative, then the City Attorney is authorized to commence necessary condemnation proceedings. After condemnation proceedings have commenced, the City Engineer and the City Attorney are authorized to enter into settlement agreements with property owners with respect to the compensation to be paid for the said rights-of-way and easements, so long as such amounts are reasonable and supported by a qualified appraisal.

IT IS SO RESOLVED AND DONE on this ____ day of _____, 20__.

ATTEST:

CITY OF FRANKLIN, TENNESSEE:

By: _____
Eric S. Stuckey
City Administrator

By: _____
Dr. Ken Moore
Mayor

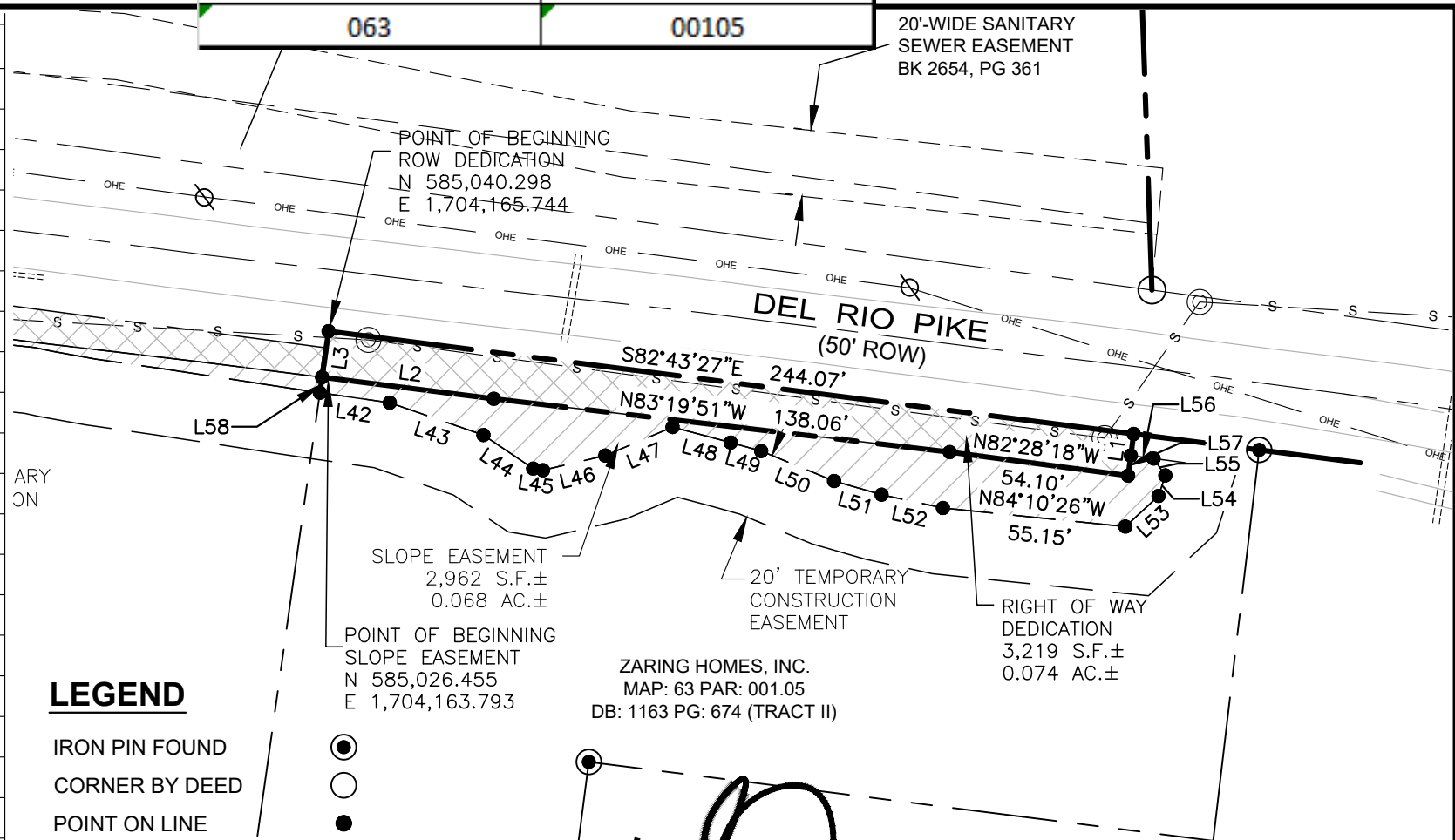
Approved as to Form:

By: _____
William E. Squires
Assistant City Attorney

EXHIBIT A

TAX MAP NUMBER	PARCEL NUMBER
063	00105

Line #	Length	Direction
L1	12.66'	S7°37'07"W
L2	52.03'	N82°49'29"W
L3	13.98'	N8°01'19"E
L42	21.24'	N81°49'36"W
L43	29.79'	N70°56'59"W
L44	18.06'	N56°00'28"W
L45	2.99'	N80°40'25"W
L46	19.24'	S76°45'15"W
L47	21.97'	S67°01'30"W
L48	18.09'	N75°04'09"W
L49	9.53'	N74°25'06"W
L50	23.69'	N67°38'10"W
L51	14.87'	N73°58'05"W
L52	18.88'	N77°44'45"W
L53	13.60'	S47°14'52"W
L54	6.50'	S18°10'47"W
L55	6.19'	S34°46'59"E
L56	6.91'	S82°22'53"E
L57	6.12'	N7°37'07"E
L58	4.71'	S8°01'19"W

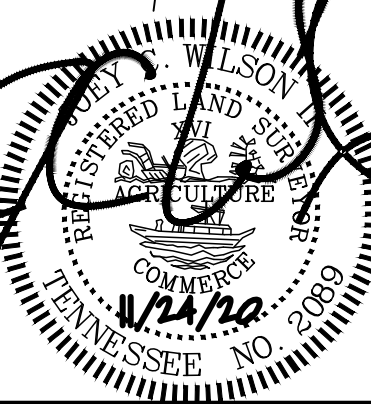


LEGEND

IRON PIN FOUND
CORNER BY DEED
POINT ON LINE



108 Beasley Drive
Franklin, TN
37064
615.794.2275



DEL RIO PIKE ROW & SLOPE EASEMENT

FROM: ZARING HOMES, INC.

TO: CITY OF FRANKLIN, TN.

PREPARED FOR:
KIMLEY HORN
214 OCEANSIDE DRIVE
NASHVILLE, TN 37204

DATE: 11/24/20

W.A.# 11318

SHEET 1 OF 1

RIGHT OF WAY DEDICATION
ZARING HOMES, INC. PROPERTY
MAP 63, PARCEL 001.05

Land lying on the south side of Del Rio Pike in the City of Franklin, Tennessee, being part of Tract II of the land deeded to Zaring Homes, Inc. by deed recorded in Deed Book 1163, page 674, Register's Office of Williamson County, Tennessee (ROWCTN) and more particularly described as follows:

BEGINNING at a point on the south right of way line of Del Rio Pike, being the northwest corner of Tract II of the Zaring property and with a TN State Plane Coordinate of North 585,040.298 East 1,704,165.744; THENCE, with the south right of way line of Del Rio Pike, S 82°43'27" E, for a distance of 244.07 feet to a point;

THENCE, with the following calls severing Tract II of the Zaring property;

S 07°37'07" W, for a distance of 12.66 feet to a point;

N 82°28'18" W, for a distance of 54.10 feet to a point;

N 83°19'51" W, for a distance of 138.06 feet to a point;

N 82°49'29" W, for a distance of 52.03 feet to a point on the west line of Tract II of the Zaring property;

THENCE, with the west line of Tract II of the Zaring property, N 08°01'19" E, for a distance of 13.98 feet to the POINT OF BEGINNING.

CONTAINING 3,219 square feet or 0.074 acre, more or less. Based on a field run survey by Wilson & Associates, P.C. on November 19, 2020.

SLOPE EASEMENT
ZARING HOMES, INC. PROPERTY
MAP 63, PARCEL 001.05

A Slope Easement running across land lying on the south side of Del Rio Pike in the City of Franklin, Tennessee, being part of Tract II of the land deeded to Zaring Homes, Inc. by deed recorded in Deed Book 1163, page 674, Register's Office of Williamson County, Tennessee (ROWCTN) and more particularly described as follows:

COMMENCING at a point on the south right of way line of Del Rio Pike, being the northwest corner of Tract II of the Zaring property and with a TN State Plane Coordinate of North 585,040.298 East 1,704,165.744; THENCE, with the west line of Tract II of the Zaring property, S 08°01'19" W, for a distance of 13.98 feet to the POINT OF BEGINNING;

THENCE, with the following calls crossing Tract II of the Zaring property;

S 82°49'29" E, for a distance of 52.03 feet to a point;

S 83°19'51" E, for a distance of 138.06 feet to a point;

S 82°28'18" E, for a distance of 54.10 feet to a point;

N 07°37'07" E, for a distance of 6.12 feet to a point;

S 82°22'53" E, for a distance of 6.91 feet to a point;

S 34°46'59" E, for a distance of 6.19 feet to a point;

S 18°10'47" W, for a distance of 6.50 feet to a point;

S 47°14'52" W, for a distance of 13.60 feet to a point;

N 84°10'26" W, for a distance of 55.15 feet to a point;

N 77°44'45" W, for a distance of 18.88 feet to a point;

N 73°58'05" W, for a distance of 14.87 feet to a point;

N 67°38'10" W, for a distance of 23.69 feet to a point;

N 74°25'06" W, for a distance of 9.53 feet to a point;

N 75°04'09" W, for a distance of 18.09 feet to a point;

S 67°01'30" W, for a distance of 21.97 feet to a point;

S 76°45'15" W, for a distance of 19.24 feet to a point;

N 80°40'25" W, for a distance of 2.99 feet to a point;

N 56°00'28" W, for a distance of 18.06 feet to a point;

N 70°56'59" W, for a distance of 29.79 feet to a point;

N 81°49'36" W, for a distance of 21.24 feet to a point on the west line of Tract II of the Zaring property;

THENCE, with the west line of Tract II of the Zaring property, N 08°01'19" E, for a distance of 4.71 to the POINT OF BEGINNING.

CONTAINING 2,962 square feet or 0.068 acre, more or less. Based on a field run survey by Wilson & Associates, P.C. on November 19, 2020.

Together with a Temporary Construction Easement, being 10 feet in width and running south of and adjacent to the above described Slope Easement.



File #: 21-02933

DATE: March 14, 2022
TO: Capital Investment Committee
FROM: Paul Holzen, Director of Engineering
Jimmy Wiseman, Asst. Director of Engineering

SUBJECT:

Consideration Of COF Contract No. 2021-0346, Road Impact Fee Reimbursement Agreement with Patterson Company, LLC Regarding The Extension Of Market Street In The Tap Root Hills PUD Subdivision.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning COF Contract No. 2021-0346.

BACKGROUND/STAFF COMMENTS:

COF Contract No. 2021-0346 contemplates reimbursement for a portion of the road impact fees related to the extension of Market Street in the Tap Root Hills PUD Subdivision.

FINANCIAL IMPACT:

\$277,220.00 from the Spec Rev - Road Impact Fees Collector fund.

RECOMMENDATION:

Staff recommends that COF Contract No. 2021-0346, Road Impact Fee Reimbursement Agreement be recommended for approval by the Board of Mayor and Aldermen.

**ROAD IMPACT FEE REIMBURSEMENT AGREEMENT
COF CONTRACT NO. 2021-0346**

This agreement ("Agreement") is entered into between THE CITY OF FRANKLIN, TENNESSEE ("City") and Patterson Company, LLC, ("Developer"), on this the ____ day of _____, 2022, pursuant to Title 16, Chapter 4 of the Franklin Municipal Code ("FMC").

WHEREAS, the Developer has previously submitted to the Franklin Municipal Planning Commission Tap Root Hills PUD Subdivision COF Project #4547 for approval (the "Development Project"); and

WHEREAS, the City has required the Developer to design, acquire right-of-way, acquire easements, obtain permits, and construct certain roadway improvements (the "Improvements") as a requirement of the Development Project and as shown on Exhibit A; and

WHEREAS, the Improvements required as part of the Development Project are identified in the City's Major Thoroughfare Plan, Connect Franklin; and

WHEREAS, the Developer has made application to offset a portion of the costs of these improvements against any Road Impact Fees due from the Development Project.

NOW THEREFORE, the City and the Developer, their successors and assigns, do hereby agree as follows:

- 1. PURPOSE.** The purpose of this Agreement is to define the obligations of the parties necessary to carry out the intent of this Agreement for the provision of reimbursement of collector and arterial road impact fees pursuant to the FMC.
- 2. TERM.** This Agreement shall become effective on the date it is fully executed and shall continue until the parties have fully fulfilled their obligations provided hereunder or until the agreement is terminated as provided herein. Understanding the large financial investment each party is making, this Agreement shall only be terminated for convenience upon written agreement of the parties.
- 3. PROJECT.** The Developer has submitted reliable information related to the costs of construction of the following Improvements: the extension of Market Street, a collector roadway.
- 4. ELIGIBLE COLLECTOR ROAD IMPACT FEE REIMBURSEMENT.** The total eligible costs of design, right-of-way acquisition, easements acquisition, permits, and construction of the above collector roadway Improvements is Two Hundred Seventy-Seven Thousand Two Hundred Twenty (\$277,220.00) for the Development Project and the total reimbursement to the Developer is Two Hundred Seventy-Seven Thousand Two Hundred Twenty (\$277,220.00). At no time shall reimbursement exceed the collector impact fees collected as part of the Development Project.
- 5. APPROVAL OF CONTRACTS AND AGREEMENTS.** The City Engineer shall review and approve all professional services agreements, right-of-way and easement acquisition offers (that exceed the

appraised value of the acquisition), and construction bids associated with the Improvements. The Developer shall obtain approval prior to the spending of any funding in which the Developer is seeking reimbursement from the City. The Developer agrees that failure to obtain contract approval from the City Engineer may result in loss of City reimbursement as determined by the City Engineer.

6. APPROVAL OF CONSTRUCTION DOCUMENTS. Prior to starting right-of-way acquisition, easement acquisition, and construction, the Developer shall submit construction documents to the City Engineer for review and approval. The Developer agrees that failure to obtain approval from the City Engineer may result in loss of City reimbursement as determined by the City Engineer.

7. PERMITS. The Developer shall be solely responsible for obtaining and complying with all necessary local, state, and federal permits associated with the Improvements.

8. ON-SITE RIGHT-OF-WAY AND EASEMENT DEDICATION. The reimbursement value of on-site right-of-way shall be based on the fair market value of the land at the date of application for the development approval for which the condition of dedication was imposed. The value of right-of-way is hereby established as \$20 per SF and all other necessary temporary slope, temporary construction, access easements, and utility easements shall be dedicated at no cost to the City.

9. OFF-SITE RIGHT-OF-WAY AND EASEMENT ACQUISITION.

- a. The Developer shall be responsible for obtaining all off-site right-of-way and easements associated with the off-site Improvements.
- b. At a minimum, the Developer shall offer fair market value for all right-of-way and or easements necessary as part of the Improvements. The value of right-of-way and easements shall be determined by a professional real estate appraiser or other means as approved by the City Engineer.
- c. Should negotiations fail, the City agrees to assist, to the maximum extent allowable by law, in the acquisition of the necessary off-site right-of-way and easements associated with the Improvements.

10. Reimbursement and Final Acceptance.

- a. The Developer may submit periodic invoices to the City during the course of design, right-of-way acquisition, easement acquisition, permitting and construction (not more frequently than every 90 days), which invoices shall be payable within 30 days after approval by the Road Impact Fee Administrator (City Engineer), subject to collected impact fees as specified within this Agreement.
- b. No reimbursement on Construction shall be allowed until all right-of-way and easements have been properly deeded to the City and/or State and recorded at the Williamson County Register of Deeds.
- c. Invoices shall include copies of approved contracts and invoices associated with the roadway Improvements, partial lien waivers for all contracts and copies of checks to show proof of payment. The Developer shall submit invoices based on the latest approved City forms as required by the Road Impact Fee Administrator (City Engineer).
- d. Prior to final reimbursement and City acceptance of off-site Improvements, the Developer shall coordinate final inspections with the City and obtain letters of acceptance from the Street Department or City Engineer.

- e. The following costs are specifically excluded from reimbursement: fiscal cost, including interest of money borrowed to finance the construction, cost for utility relocations, landscaping, turn lanes, internal management fees and turn lanes / signal improvements that benefit solely the development and not the arterial and/or collector roadway.

11. INDEMNIFICATION.

- a. To the fullest extent permitted by Laws and Regulations, and in addition to any other obligations of Developer under this Agreement or otherwise, Developer shall indemnify and hold harmless the City, and the officers, directors, members, partners, employees, agents, consultants and subcontractors, from losses, damages, costs, and judgments (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising from third-party claims or actions relating to or resulting from the performance or furnishing of the Improvements, provided that any such claim, action, loss, cost, judgment or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property (other than the improvements itself), including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Developer, and any contractor and any subcontractor, and any supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Improvements, or anyone for whose acts any of them may be liable.
- b. In any and all claims against City, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, by any employee (or the survivor or personal representative of such employee) of Developer, and contractor, any subcontractor, any supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Improvements, or anyone for whose acts any of them may be liable, the indemnification obligation under the paragraph above will not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Developer, or any contractor or any such subcontractor, supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

12. MISCELLANEOUS.

- a. Binding. This Agreement shall be binding upon the parties and shall take effect from and after its ratification and signing by all parties after obtaining appropriate approval pursuant to the requirements of applicable law.
- b. Severability. The parties agree that if any part, term, or provision of this Agreement is determined to be illegal or in conflict with any law of the State of Tennessee by any court with jurisdiction, the validity of the remaining portions or provisions shall not be affected. The rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular part, term, or provision held to be invalid.
- c. Specific Performance. The parties recognize that the rights afforded to each under this Agreement are unique and, accordingly, the individual parties shall, in addition to such other remedies as may be available to them in equity, have the right to enforce their respective rights hereunder by an action for injunctive relief and/or specific performance to the extent permitted by law.
- d. Cooperation. The parties agree to cooperate fully in order to successfully execute the terms and conditions of this Agreement, including obtaining all regulatory and governmental approvals required to carry out the terms of this Agreement, recognizing that the intent of each party to the

other is to serve the individual interests of each party while respecting the conditions and obligations of this Agreement.

- e. Assignment. The rights and obligations of this Agreement are not assignable without prior written consent of the City.
- f. Law/Venue. This Agreement shall be exclusively governed by the laws of the State of Tennessee. In the event that any section and/or term of this Agreement, or any exhibits hereto, becomes subject to litigation, the venue for such action will be exclusively maintained in a court of competent jurisdiction sitting in Williamson County, Tennessee.
- g. Entire Agreement. This Agreement represents the entire agreement between the parties and supersedes all prior negotiations, representations, or agreements, either written or oral, with respect to the subject matter hereof. This Agreement may be amended only by written instrument signed by all parties.

IN WITNESS WHEREOF, each party has caused this Agreement to be executed by an authorized person effective as of the date and year written below.

Approved by the Franklin Board of Mayor and Aldermen on _____, 2022.

WITNESS our hands on the dates as indicated.

DEVELOPER

Patterson Company, LLC

By: _____

Print Name: _____

Title: _____

STATE OF TENNESSEE)
)
COUNTY OF _____)

Before me, _____, a Notary Public of said County and State, personally appeared _____, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged _____ self to be _____ (or other officer authorized to execute the instrument) of _____, the within named bargainor, a _____, and that _____ as such _____ executed the foregoing instrument for the purposes therein contained.

Witness my hand and seal on this _____ day of _____, 20____.

Notary Public

My Commission Expires: _____

CITY

CITY OF FRANKLIN, TENNESSEE, a municipality

By: _____

DR. KEN MOORE

Mayor

Date: _____

By: _____

ERIC S. STUCKEY

City Administrator

Date: _____

STATE OF TENNESSEE)

)

COUNTY OF WILLIAMSON)

Before me, the undersigned Notary Public of said County and State, personally appeared **DR. KEN MOORE and ERIC S. STUCKEY**, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged themselves to be the Mayor and City Administrator, respectively, of the City of Franklin, Tennessee, the within named bargainor, a municipality, and that as such Mayor and City Administrator executed the foregoing instrument for the purposes therein contained, by signing the name of the municipality by themselves as Mayor and City Administrator.

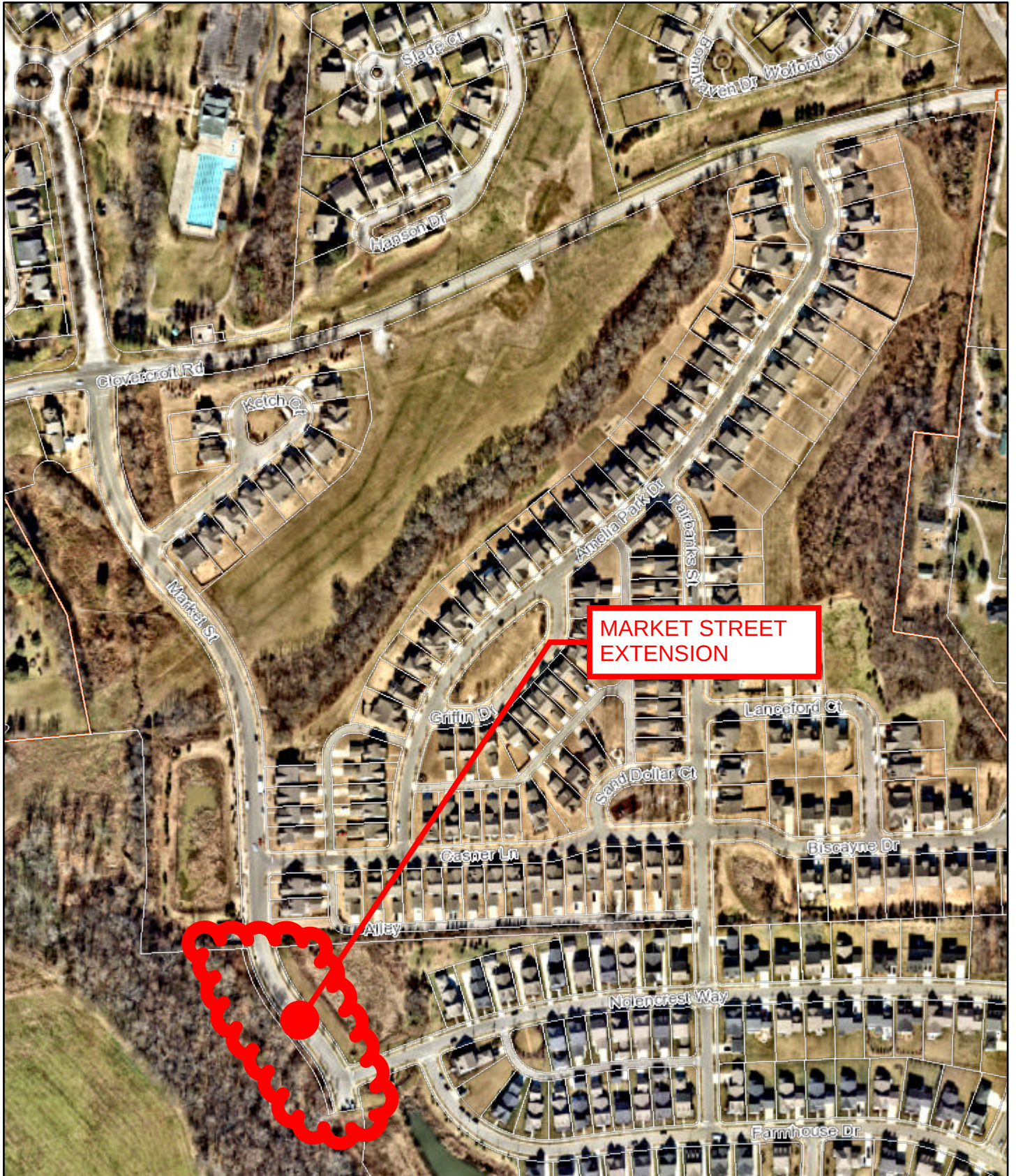
Witness my hand and seal this ____ day of _____, 20 ____.

Notary Public

My Commission Expires: _____

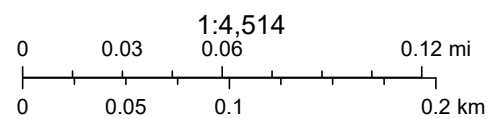
Approved as to form by:

Maricruz R. Fincher, Staff Attorney



2/4/2022, 3:15:50 PM

Parcels



City of Franklin TN GIS Dept., City of Franklin GIS Dept.



File #: 21-02968

DATE: February 22, 2022
TO: Capital Investment Committee
FROM: Michelle Hatcher, Director of Water Management
SUBJECT:

Consideration Of DRAFT COF Contract No. 2022-0022, With Hazen And Sawyer Proposal For Reservoir Management Phase 3 Task Order For A Total Of \$29,545.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning a professional services agreement with Hazen and Sawyer for the maintenance of the long term raw water management plan.

BACKGROUND/STAFF COMMENTS:

Seasonal variations each year create varying water quality characteristics for the Harpeth River. Instances like warmer and colder weather, drought or excessive rainfall, and baseline river flow all affect the water quality in the river. As these fluctuations occur, the characteristics of the raw water held within the reservoir at the Water Treatment Plant (WTP) fluctuate also. As these changing conditions occur, operation of the facility changes to pretreat the water prior to the membranes to ensure optimal operation. A small professional services agreement was approved in the summer of 2019 to allow for the data gathering of baseline characteristics to provide guidance for the development of this long-term plan.

In a previous phase of this project, the City tasked Hazen with developing a management plan for the long term maintenance of the reservoir to manage bacterial development, assist with chemical dosing, and provide pretreatment guidelines for the management of the raw water during the seasonal fluctuations.

The plan has been developed, and this contract is for the long-term maintenance, on-call services as needed to maintain the health of the reservoir and assistance with fluctuations that are seen as a result of seasonal variations.

FINANCIAL IMPACT:

This scope will be performed for a not-to-exceed fee of \$29, 545 and is budgeted in the WTP operations budget (421-82560-52103).

RECOMMENDATION:

Staff recommends that COF Contract No. 2022-0022 with Hazen and Sawyer be recommended for approval by the Board of Mayor and Aldermen.

	Job Classification	Senior Associate	Principal Engineer	Associate	Principal Engineer	Assistant Engineer				
	Staff	Alpert	Crafton	Charles	Beaty	Jones				
Task/Phase	Task/Phase	(Hrs)	(Hrs)	(Hrs)	(Hrs)	(Hrs)	Labor Hours	Labor Fee	Expenses	Fee Subtotal
1	Source Water Monitoring / Management	26	30	18	0	12	86	\$15,338	\$2,000	\$17,338
	<i>On-call Support - Reservoir</i>	<i>8</i>	<i>12</i>			<i>12</i>	<i>32</i>	<i>\$5,024</i>	<i>\$2,000</i>	<i>\$7,024</i>
	<i>Meetings/Calls</i>	<i>18</i>	<i>18</i>	<i>18</i>			<i>54</i>	<i>\$10,314</i>		<i>\$10,314</i>
							<i>0</i>	<i>\$0</i>		<i>\$0</i>
2	Pre-treatment Testing and Optimization	16	0	17	0	8	41	\$8,109	\$250	\$8,359
	<i>On-call Support - WTP Process</i>	<i>10</i>		<i>16</i>			<i>26</i>	<i>\$5,540</i>		<i>\$5,540</i>
	<i>Second Manganese Profile</i>	<i>6</i>		<i>1</i>		<i>8</i>	<i>15</i>	<i>\$2,569</i>	<i>\$250</i>	<i>\$2,819</i>
							<i>0</i>	<i>\$0</i>		<i>\$0</i>
3	Algal Dashboard Development	0	4	0	16	8	28	\$3,848	\$0	\$3,848
	<i>PowerBI Development</i>		<i>4</i>		<i>16</i>	<i>8</i>	<i>28</i>	<i>\$3,848</i>		<i>\$3,848</i>
							<i>0</i>	<i>\$0</i>		<i>\$0</i>
	Total	42	34	35	16	28	155	\$27,295	\$2,250	\$29,545



Hazen and Sawyer
545 Mainstream Drive, Suite 320
Nashville, TN 37228 • 615.783.1515

February 22, 2022

Ms. Michelle Hatcher, PE, Director
Water Management Department
City of Franklin
124 Lumber Drive
Franklin, TN 37064

Re: Proposal for Reservoir Management Phase 3 Task Order

Dear Ms. Hatcher:

Hazen appreciates the opportunity to continue its work with the City for on-call services for the enhancement of the water treatment plant raw water reservoir and in-plant functionality. These services will include the continuation of bi-weekly calls with plant staff, on-call support for reservoir treatment and plant operations, algal dashboard development, and an additional plant manganese profile upon request.

Task C1 – On-Call Services and Biweekly Support

During Phase 1 and 2, Hazen actively participated in biweekly coordination calls with the City's operating staff and management for reservoir conditions and treatment operations status updates. Hazen will continue to offer the following support as needed for the City:

- A. Facilitate a meeting with City staff approximately every two weeks for reservoir or treatment operation support throughout the 2022 calendar year.
- B. Provide on-call support beyond the regularly scheduled meetings noted above and including responses to questions and requested revisions related to the reservoir treatment plan summarized in Phase 2. The expected level of effort included in this scope is shown in the attached table.

Task C2 – Manganese Plant Profile

During Phase 1 and 2, Hazen completed two rounds of bench-scale testing to evaluate coagulant and sodium permanganate dosing as well as additional sampling to compile a manganese profile. This profile contained total, colloidal, and dissolved manganese concentrations throughout the treatment facility from raw water to distribution. The results revealed potential manganese break-through downstream of GAC and further evaluation was recommended. For Phase 3, Hazen proposes to complete the following:

- A. Hazen will perform a third round of manganese profile sampling to include total, colloidal and dissolved concentrations to confirm the previous two rounds of findings and/or provide guidance to plant staff to complete this work. Hazen will help evaluate laboratory standard practices for manganese sampling to determine the most appropriate method to minimize non-detects in the samples.

Task C3 – Develop Dashboard for Hydrosphere Data Output

During Phase 2, Hazen developed an informational guide for generating a Power BI Dashboard for the City staff to utilize for data management and visualization. This guide was contained within the Technical Memorandum *Raw Water Reservoir Management – Phase 2* Appendix A. As part of Phase 3 work:

- A. Hazen will create an interactive Power BI Dashboard for the reservoir's Hydrosphere data and provide instructions to keep the dashboard updated with new data.

Hazen proposes to perform this Phase 3 scope of work for a not-to-exceed fee of \$30,000 based on our standard hourly rates. Hazen will begin work immediately upon notice to proceed. The manganese profile in Task C2 is tentatively scheduled to be performed during the summer of 2022 when raw water manganese is higher. The dashboard development in Task C3 can be completed within 120 days of notice to proceed.

We appreciate the opportunity to continue to support the City of Franklin.

Sincerely,



Scott Woodard, PE

cc: Brian Goodwin, PE, Assistant Director
Scott Alpert, PhD, PE
Liz Crafton, PhD

**Proposal for Reservoir Management Phase 3 Task Order
Level of Effort**

	Job Classification	Senior Associate	Principal Engineer	Associate	Principal Engineer	Assistant Engineer				
	Staff	Alpert	Crafton	Charles	Beaty	Jones				
Task/ Phase	Task/Phase	(Hrs)	(Hrs)	(Hrs)	(Hrs)	(Hrs)	Labor Hours	Labor Fee	Expenses	Fee Subtotal
C1	Source Water Monitoring / Management	24	34	22	0	16	96	\$16,778	\$1,500	\$18,278
	<i>On-call Support - Reservoir</i>	2	12			16	30	\$4,172	\$1,500	\$5,672
	<i>Meetings/Calls</i>	22	22	22			66	\$12,606		\$12,606
C2	Pre-treatment Testing and Optimization	6	0	18	0	18	42	\$7,314	\$250	\$7,564
	<i>On-call Support - WTP Process</i>	4		16		10	30	\$5,444		\$5,444
	<i>Second Manganese Profile</i>	2		2		8	12	\$1,870	\$250	\$2,120
C3	Algal Dashboard Development	2	2	0	16	12	32	\$4,520	\$0	\$4,520
	<i>PowerBI Development</i>	2	2		16	12	32	\$4,520		\$4,520
	Total	32	36	40	16	46	170	\$28,612	\$1,750	\$30,000*

* rounded down to nearest \$1k.

**CITY OF FRANKLIN, TENNESSEE
PROFESSIONAL SERVICES AGREEMENT
COF Contract No. 2022-0022**

THIS PROFESSIONAL SERVICES AGREEMENT (“Agreement”) is by and between the City of Franklin, Tennessee, hereinafter referenced as City, and **HAZEN AND SAWYER** 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:

Reservoir Management Phase 3 Tast Order

1. SCOPE OF SERVICES. Consultant shall provide engineering 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 Amount of (Thirty Thousand Dollars) (\$30,000.00).

The Board of Mayor and Aldermen Approved this Agreement on the _____ Day of _____ 201__.

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. Consultant shall retain an ownership and property interest therein (including the right of reuse at the discretion of the Consultant) whether or not the Project is completed.

7.1.1 **USE OF DATA SYSTEMS:** Ownership, property interests and proprietary rights in data systems used by Consultant do not extend to the data created by or supplied to Consultant by the City; all rights to that data (including derivative or hidden data such as metadata) shall vest solely in City at the moment of creation.

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 Services.
- 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.

BY: _____
Consultant's Signature
TITLE: _____
Date: _____

BY: _____
Dr. Ken Moore
Mayor
Date: _____

Approved as to Form;

Shauna R. Billingsley, City Attorney



File #: 21-03017

DATE: March 2, 2022
TO: Capital Investment Committee
FROM: Michelle Hatcher, Director of Water Management
Brian Goodwin, Asst. Director of Water Management

SUBJECT:

Consideration Of DRAFT Change Order 10 To COF Contract No. 2017-0264, With Kiewit Infrastructure South Co., For The Water Reclamation Facility Modifications & Expansion Project For A Net Decrease Of \$424,066.40.

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning Change Order No. 9 for the Water Reclamation Facility Modifications and Expansion Project.

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 (CCAs), Change Proposals (CPs), and Request for Proposals (RFPs) issued by CDM Smith and then approved by the City, and formalized in this change order and include the following:

- Change Proposal 111 - increase the pressure gage readings on the reclaimed water system (\$12,913.00)
- Change Proposal 114 - rebuild the gearbox for the surface aerator in biological nutrient basin 1 (\$34,488.00)
- Change Proposal 115 - removal of the 36" forcemain found to be in conflict with proposed driveways due to incorrect as-built information (\$14,521.00).
- Change Proposal 116 - repairs required found during blower #2 work (\$17,441.00).
- Construction Change Authorization 68 - clarifier splitter box extension due to structural issues not shown on as-builts (\$40,724.00).

- Change Proposal 125 - internal road elevation changes benefiting both parties (no cost change)
- Time - additional rock excavation in vicinity of ultraviolet structure due to unforeseen conditions (7 days).
- Change Proposal 122 - monetary compensation for additional rock excavation at the ultraviolet structure (\$31,458.40).
- Change Proposal 123 - modification of existing float switches to provide more information (\$3,068.00).
- Change Proposal 109 - rebuild of the gearbox for the aerator in biological nutrient basin 2 (\$56,216.00).
- Change Proposal 98 - modification to the electrical room wall (\$2,443.00)
- Change Proposal 126 - field rerouting of the recycled activated sludge line to accommodate incorrect as-built information (\$11,835)
- Change Proposal 129 - change in elevator ceiling to accommodate safer operation (\$11,993.00)
- Change Proposal 90 - Cambi thermal hydrolysis process design modifications on remote operation panels addition since pre-selecton package (\$186,966.00)

FINANCIAL IMPACT:

The attachments outline all of these changes, totaling a net decrease of \$424,066.40. Including all of the previous change orders, the amount remaining in contingency totals \$772,432,.22.

RECOMMENDATION:

Staff recommends that Change Order 10 to COF Contract No. 2017-0264 with Kiewit Infrastructure South be recommended for approval to the Board of Mayor and Aldermen.

REQUEST FOR CONSTRUCTION CONTRACT CHANGE CHANGE ORDER NO. 10

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

CP No. 111

CP No. 114

CP No. 115

CP No. 116

CCA No. 68 w/Contractor Proposal

CP No. 125

UV Rock Excavation Time Impact Analysis w/CDM Smith Response

CP No. 122

CP No. 123

CP No. 109

CP No. 98

CP No. 126

CP No. 129
CP No. 90

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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	6 Days
Final Completion	6 Days
Contract Times Prior to This Change	
Substantial Completion Date	2/26/2022
Final Completion Date	6/01/2022
Increase in Time This Change Order	
Substantial Completion	7 Days
Final Completion	7 Days
Contract Times with All Approved Change Orders	
Substantial Completion Date	3/05/2022
Final Completion Date	6/08/2022

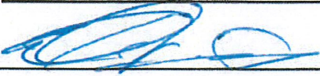
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Now, Therefore, Kiewit Infrastructure South Co., hereby agrees to this Change Order, consisting of the above mentioned schedule changes, and agrees that this Change Order is hereby made a part of the original contract and will be performed by this 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

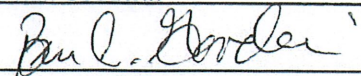
Name: Daniel A. Harris

Signature: 

Date: 2/11/22

CITY PROJECT MANAGER

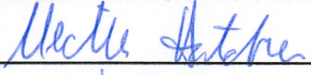
Name: Brian Goodwin

Signature: 

Date: 03/03/2022

CITY WATER MANAGEMENT DIRECTOR

Name: Michelle Hatcher

Signature: 

Date: 3/3/22

ACCEPTED BY CONTRACTOR:

Name: Steve Davis

Title: Project Manager

Signature: 

Date: 2/11/22

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
		111	Increase pressure gauge ranges	\$ 12,913.00	0	11/18/21	11/22/21
		114	SA-AZA-1-2 gearbox repair	\$ 34,488.00	0	12/13/21	12/14/21
		115	36" force main removal	\$ 14,521.00	0	12/10/21	12/14/21
		116	Misc. repairs ex. Blower #2	\$ 17,441.00	0	12/10/21	12/14/21
68			Clarifier splitter box extension	\$ 40,724.00	0	12/13/21	12/14/21
		125	Road elevation changes	\$ -	0	2/10/22	2/10/22
NA	NA	NA	UV rock excavation schedule impact	\$ -	7	12/21/21	12/21/21
		122	Bid Item 33 increase	\$ 31,458.40	0	1/12/22	1/21/22
		123	Added LSH-1020 and LSH-7010	\$ 3,068.00	0	1/21/22	1/21/22
		109	SA-2C gearbox repair	\$ 56,216.00	0	10/1/21	10/5/21
		98	Firesafing @ collector beam	\$ 2,443.00	0	9/23/21	9/24/21
		126	Temporary RAS reroute	\$ 11,835.00	0	1/28/22	2/10/22
		129	Hard ceiling, elevator equip. room	\$ 11,993.00	0	2/3/22	2/10/22
		90	RIOP-C and D	\$ 186,966.00	0	2/7/22	2/10/22
Total This Change				\$ 424,066.40			
Total Previous Changes				\$ 2,803,501.38			
Owner's Contingency Amount				\$ 4,000,000.00			
Remaining Owner's Contingency				\$ 772,432.22			
Total Time Extension (Calendar Days)					7		

REQUEST FOR CONSTRUCTION CONTRACT CHANGE CHANGE ORDER NO. 10

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

CP No. 111

CP No. 114

CP No. 115

CP No. 116

CCA No. 68 w/Contractor Proposal

CP No. 125

UV Rock Excavation Time Impact Analysis w/CDM Smith Response

CP No. 122

CP No. 123

CP No. 109

CP No. 98

CP No. 126

CP No. 129
CP No. 90

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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	6 Days
Final Completion	6 Days
Contract Times Prior to This Change	
Substantial Completion Date	2/26/2022
Final Completion Date	6/01/2022
Increase in Time This Change Order	
Substantial Completion	7 Days
Final Completion	7 Days
Contract Times with All Approved Change Orders	
Substantial Completion Date	3/05/2022
Final Completion Date	6/08/2022

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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: 2/11/22

CITY PROJECT MANAGER

Name: Brian Goodwin

Signature: _____

Date: _____

CITY WATER MANAGEMENT DIRECTOR

Name: Michelle Hatcher

Signature: _____

Date: _____

ACCEPTED BY CONTRACTOR:

Name: Steve Davis

Title: Project Manager

Signature: 

Date: 2/11/22

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
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		114	SA-AZA-1-2 gearbox repair	\$ 34,488.00	0	12/13/21	12/14/21
		115	36" force main removal	\$ 14,521.00	0	12/10/21	12/14/21
		116	Misc. repairs ex. Blower #2	\$ 17,441.00	0	12/10/21	12/14/21
68			Clarifier splitter box extension	\$ 40,724.00	0	12/13/21	12/14/21
		125	Road elevation changes	\$ -	0	2/10/22	2/10/22
NA	NA	NA	UV rock excavation schedule impact	\$ -	7	12/21/21	12/21/21
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		98	Firesafing @ collector beam	\$ 2,443.00	0	9/23/21	9/24/21
		126	Temporary RAS reroute	\$ 11,835.00	0	1/28/22	2/10/22
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		90	RIOP-C and D	\$ 186,966.00	0	2/7/22	2/10/22
Total This Change				\$ 424,066.40			
Total Previous Changes				\$ 2,803,501.38			
Owner's Contingency Amount				\$ 4,000,000.00			
Remaining Owner's Contingency				\$ 772,432.22			
Total Time Extension (Calendar Days)					7		



Kiewit

CP 111

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

November 1, 2021

To: Mr. Dan Harris

CP-KIEWIT-00184.02

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 RFI 493 – Plant Water Pressure Gauges

Dear Mr. Harris,

Attached you will find Kiewit's revised cost proposal for **RFI 493 – Plant Water Pressure Gauges** in the amount of **Twelve Thousand Nine Hundred Thirteen Dollars (\$12,913.00)**.

The revised pricing reflects the deletion of the nine gauges for the Vortex Grit Flushing Water System in accordance with the comments on the initial cost proposal for RFI 493. This pricing also reflects the price escalation for the gauge and pressure switch assemblies.

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: Gaileo Rivera-Tobar	OTHER
----------------------------------	-------

000-CostProposal-FranklinWRF-RFI 493

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

Kiewit Infrastructure South Co
Hourly Rates (Confidential)
2021 Breakdown of Craft Wage Burden Rates

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



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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

October 29, 2021

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

Attn: Thaddeus Selby

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

Reference: 200 PSI Gauge Assemblies/RFI 493

Dear Thad:

We are pleased to revise our 9/20/21 proposal for new gauge assemblies based on recent on conversations and the RFI response.

The revised proposal reflects the deletion of the gauges at the Vortex Grit equipment.

Qty. (5) Ashcroft 0-200 PSI gauge only.

TAGS: PI-1000-1, PI-6505-1A, PI-6505-2A, PI-6505-1B, PI-6505-2B.

Qty. (7) Ashcroft 0-200 PSI gauge and pressure switch (setpoint 65PSI) assembled on diaphragm seal.

TAGS: PI/PSL-1010-1, PI/PSL-1010-2, PI/PSL-6215-1, PI/PSL-6215-2, PI/PSL-6215-3, PI/PSL-7000-1, PI/PSL-7000-2

The price, per the attached Bid Summary Sheet, is \$11,544.85.

The price reflects recent price increases and is only valid for 30 days due to continuing price increases.

If you have any questions, please let us know.

Sincerely,

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

cc: Jonathan Johnson / Wes Wood / Sue Adams – C2i

BID SUMMARY SHEET **REV 1**

PROJECT: Franklin REFERENCE: 0-200 PSI GAUGES
 CONSULTANT: CDM Smith Bid Date: #####

JOB DURATION: _____
 PENALTY: _____
 ESTIMATOR: JEJ

		PRICE
ASHCROFT GAUGE x 5	\$	600.00
ASHCROFT GAUGE & SW	\$	8,193.00
.....	\$	0.00
.....	\$	0.00
.....	\$	0.00
.....	\$	0.00
.....	\$	0.00
MATERIAL TOTALS:	\$	8,793.00

	PRICE			PRICE	SIGN-OFF
ADMINISTRATION	\$1,150.00	/Day x 0.25	Days = \$	287.50	
PURCHASING	\$1,150.00	/Day x 0.25	Days = \$	287.50	
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 0.25	Days = \$	171.00	
PROGRAMMING (PLC):	\$1,200.00	/Day x 0.00	Days = \$	0.00	
PROGRAMMING (OIT):	\$1,200.00	/Day x 0.00	Days = \$	0.00	
SERVICE ESTIMATE:	\$1,200.00	/Day x 0.00	Days = \$	0.00	
SERVICE ESTIMATE:	\$1,043.00	/Day x 0.00	Days = \$	0.00	
FREIGHT/SHIPPING:			\$	200.00	
DOCUMENTATION MATERIALS:			\$	0.00	
TRAVEL COST			\$	0.00	
LABOR TOTALS:			\$	1,246.00	

	PRICE
MATERIAL AND LABOR TOTALS:	\$ 10,039.00
0.00%	\$ 0.00
Bond 1%	0
subtotal	10,039.00
	0.00
15% Markup	\$ 11,544.85
	\$
	\$
	\$
	\$

SELECTED JOB PRICE: \$ 11,544.85

Allowance Yes/No: NO
 Bonds Yes/No: NO 0 0
 Taxes Yes/No: NO 0% \$ -

TOTAL PRICE: \$ 11,544.85



Kiewit

CP 114

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

November 15, 2021

To: Mr. Dan Harris

CP-KIEWIT-00192.00

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 – BNR #1 Gearbox AZA-1-2 Repair

Dear Mr. Harris,

Attached you will find Kiewit's change proposal for **BNR #1 Gearbox AZA-1-2 Repair** in accordance with Sumitomo Drive Technologies' quote and inspection report dated November 3, 2021 in the amount of **Thirty-Four Thousand Four Hundred Eighty-Eight Dollars (\$34,488.00)**.

The attached repair quote from Sumitomo Drive Technologies supersedes the budgetary quote included in CP-KIEWIT-00175.00, thus will result in a credit of \$17,507.03. Pricing for meggar testing the motor, electrical wiring and terminations are not included as they are already accounted for in CP-KIEWIT-00175.00.

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

PREPARED BY: Galileo Rivera-Tobar

[illegible]

THIS IS NOT A QUOTE - FOR BUDGETARY PURPOSES ONLY

Quoted By:

Name: William Goebel

Phone:

Company: Sumitomo Machinery Corporation of America

Representative: Ron Rooks

Phone: (678) 662-7878

Company: Sumitomo Machinery Corporation of America

Customer Information:

Account: 867179

KIEWIT INFRASTRUCTURE SOUTH CO

4800 N POINT PKWY, SUITE 100
ALPHARETTA, GA 30022

Phone: 855-527-8255

Fax:

No.	Qty	Product	Description	Estimated Price
1	1	Paramax	Repairs: Wx Repair	
			MODEL NUMBER: PX 8090P3 Y RLV 63:1	
			Quote is for repair of referenced unit	
			Scope of Work:	
			Inspect unit	
			Provide detailed inspection report	
			Replace all Bearings	
			Set clearances to OEM specifications	
			Replace all shims	
			Replace spacers as needed	
			Replace all Seals and Gaskets	
			Run no load run test	
			Paint PSX700 Sumitomo Blue	
			Prep for shipment	
			*Pricing and lead time based on receiving inspection, other charges may apply.	
			Additional potential adders (not included in pricing below):	
			Thermal spray per shaft: \$2302.50	
			Oil pump: \$839.71	
			L/S collar: \$146.19	
			NET EACH:	\$17,507.03
			LEAD TIME: TBD	

This quote will be added as a credit as it is superseded by Gearbox inspection and repair quote dated November 3, 2021.

Inventory, factory loading and design backlog are all subject to change. Lead time and/or drawing time for critical items should be verified at the time of order entry.

All Purchase Orders accepted subject to SMA standard Conditions of Sale 01.001.40.014 which can be viewed on us.sumitomodrive.com/en/terms-and-conditions. All deliveries are subject to prior sale and are shown in weeks, unless otherwise noted. Quotation is valid for 30 days and subject to SMA's terms and conditions of sale.

Product Support Quotation Estimate

Quote Num: 20210810403368Rev0

RVE11849

Issue Date: Aug 10, 2021

Quote Valid For: 30 Days from Issue Date

Please send order to: sma.Service@shi-g.com

\$17,507.03

Quote Total: \$17,507.03

All prices shown in USD.

Inventory, factory loading and design backlog are all subject to change. Lead time and/or drawing time for critical items should be verified at the time of order entry.

All Purchase Orders accepted subject to SMA standard Conditions of Sale 01.001.40.014 which can be viewed on us.sumitomodrive.com/en/terms-and-conditions. All deliveries are subject to prior sale and are shown in weeks, unless otherwise noted. Quotation is valid for 30 days and subject to SMA's terms and conditions of sale.

Quoted By:**Name:** William Goebel**Phone:****Company:** Sumitomo Machinery Corporation of America**Representative:** Ron Rooks**Phone:** (678) 662-7878**Company:** Sumitomo Machinery Corporation of America**Customer Information:****Account:** 867179**KIEWIT INFRASTRUCTURE SOUTH CO**

4800 N POINT PKWY, SUITE 100
 ALPHARETTA, GA 30022

Phone: (770) 487-2300**Fax:**

No.	Qty	Product	Description	Net Price
1	1	Paramax	Repairs: Wx Repair	
			MODEL NUMBER: PX 8090P3 Y RLV 63:1	
			Quote is for repair of referenced unit with serial number F729956	
			Scope of work:	
			Replace low speed gear (36.01)	
			Replace input coupling (updated)	
			Replace all Bearings, Seals, Shims, Collars, and Gaskets	
			Set clearances to OEM specifications	
			Replace sight gauge and breather	
			Replace heaters (updated)	
			Replace thermal coupling set at 20-degree C (updated)	
			Replace all lubrication lines and fittings	
			Run no load run test	
			Paint PSX700 Sumitomo Blue	
			Prep for shipment	
			Repair Cost: \$37,821.22	
			Optional additional charge:	
			Freight: \$4000.00	
			*Subject to Change at time of shipment	
			NET EACH:	\$41,821.22
			LEAD TIME: 12-14 weeks ARO	

Inventory, factory loading and design backlog are all subject to change. Lead time and/or drawing time for critical items should be verified at the time of order entry.

All Purchase Orders accepted subject to SMA standard Conditions of Sale 01.001.40.014 which can be viewed on us.sumitomodrive.com/en/terms-and-conditions. All deliveries are subject to prior sale and are shown in weeks, unless otherwise noted. Quotation is valid for 30 days and subject to SMA's terms and conditions of sale.

Product Support Quotation

Quote Num: 20211015414850Rev0

RVE11951

Issue Date: Nov 3, 2021

Quote Valid For: 30 Days from Issue Date

Please send order to: sma.Service@shi-g.com

\$41,821.22

Quote Total: \$41,821.22

All prices shown in USD.

Inventory, factory loading and design backlog are all subject to change. Lead time and/or drawing time for critical items should be verified at the time of order entry.

All Purchase Orders accepted subject to SMA standard Conditions of Sale 01.001.40.014 which can be viewed on us.sumitomodrive.com/en/terms-and-conditions. All deliveries are subject to prior sale and are shown in weeks, unless otherwise noted. Quotation is valid for 30 days and subject to SMA's terms and conditions of sale.

Detailed Inspection Report			Sumitomo Drive Technologies  Sumitomo Machinery Corporation of America Authorized Repair Center	
Product Support Group Document: RVE11951				
Author / Responsibility: Will Zechman Engineer				
Review & Approval: Scott Arnett Manager		10/19/2021		Page 1 of 5

Date:	9/17/2021	Return #:	RVE11951	Sales Order #:	
Serial #:	F729956	Model #:	PX 8090P3 Y RLV 63:1	Product ID:	

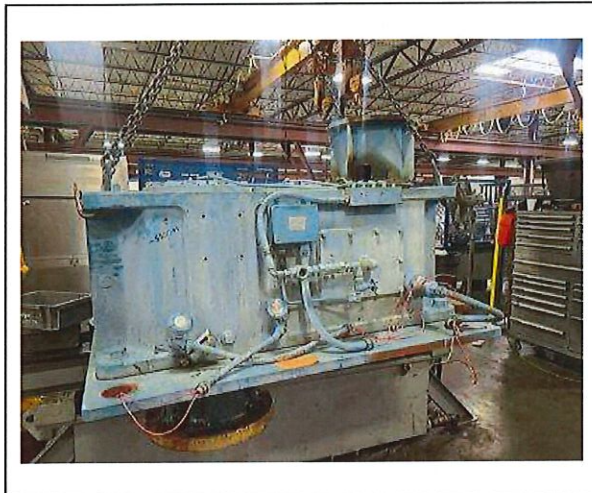
Customer: KIEWIT INFRASTRUCTURE SOUTH CO ALPHARETTA, GA
Unit Location: VE FLR

Reason for Return:

Repair, evaluation, and quotation.

Receiving condition of the unit:

Picture #1: Overall Unit



Picture #2: Unit Nameplate



Notes:

Unit arrived on a broken pallet leaking oil

Unit Test:

No-load run test: not conducted

Detailed Inspection Report			Sumitomo Drive Technologies  Sumitomo Machinery Corporation of America Authorized Repair Center	
Product Support Group	RVE11951			
Document:				
Author / Responsibility:	Will Zechman	Engineer		
Review & Approval:	Scott Arnett	Manager	10/19/2021	Page 2 of 5

Inspection Photographs:

Picture #3: Unit arrived on a broken pallet and was leaking oil



Picture #4: Sight gauge is painted over



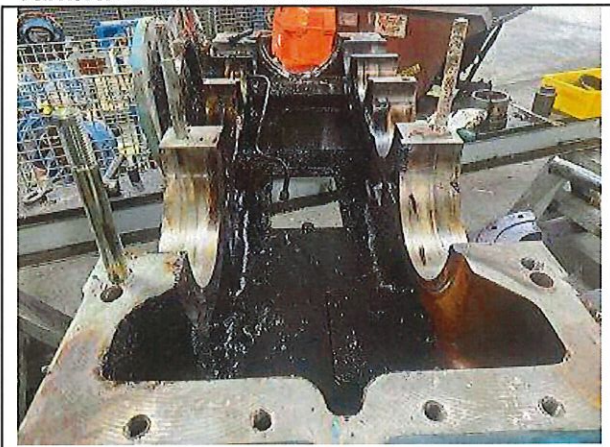
Picture #5: External lubrication lines are bent and damaged



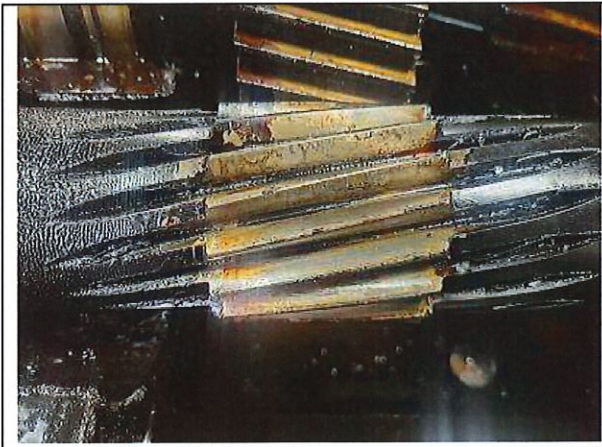
Picture #6: Unit has a simalube automatic single point lubricator



Picture #7: Interior of housing is severely varnished from burnt lubrication



Picture #8: High speed pinion (36.06) is varnished



Detailed Inspection Report			Sumitomo Drive Technologies  Sumitomo Machinery Corporation of America Authorized Repair Center	
Product Support Group	RVE11951			
Document:				
Author / Responsibility:	Will Zechman	Engineer		
Review & Approval:	Scott Arnett	Manager	10/19/2021	Page 3 of 5

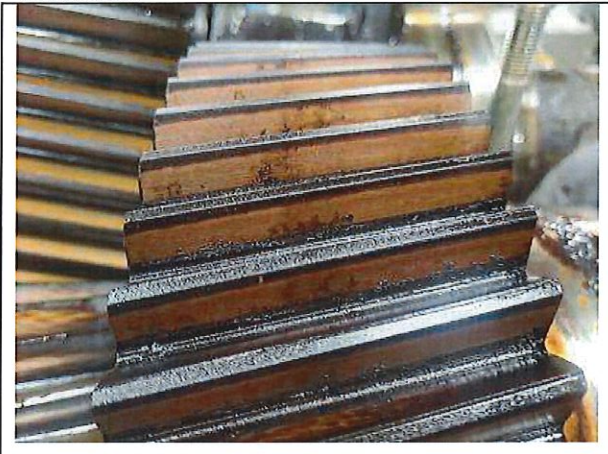
Picture #9: High speed gear (36.05) is varnished



Picture #10: Intermediate pinion (36.04) is varnished



Picture #11: Intermediate gear (36.03) is varnished



Picture #12: Low speed gear (36.02) is varnished



Picture #13: Low speed gear (36.01) is varnished and has corrosion and micro pitting on the gear teeth



Picture #14: Output collar is grooved at the seal journal



Detailed Inspection Report			 Sumitomo Drive Technologies Sumitomo Machinery Corporation of America Authorized Repair Center	
Product Support Group Document:	RVE11951			
Author / Responsibility:	Will Zechman	Engineer		
Review & Approval:	Scott Arnett	Manager	10/19/2021	Page 4 of 5

Inspection Notes:

- Unit arrived on a broken pallet leaking oil
- Thermal coupling set to 20-degree Celsius failed insulation check
- Exterior lubrication lines are bent
- Heaters have burnt on lubrication
- Sight gauge is unable to be read
- Simalube "smart lubrication" single point applicator is installed
- Motor flange is in good condition
- Output coupling is in good condition
- Input coupling is worn and corroded
- All interior components have a thick layer of burnt lubrication
- Low speed gear (36.01) has corrosion and micro pitting on the gear teeth
- Low speed shaft collar is grooved at the seal journal
- Spacers are in good condition
- Covers are in good condition
- Interior of housing has been heavily varnished
- Drywell is in good structural condition

Conclusion:

This unit arrived on a broken pallet leaking oil. The oil was a dark color. The unit has pressure directly applied to the output coupling, which likely created an opening at the low speed seal for the oil to leak from.

On the exterior, lubrication lines were bent and damaged. A single point grease applicator has been installed. There are two thermal couplings on this unit. The one set for 20-degree Celsius failed insulation checks and will need to be replaced. The motor flange is in good condition and can be reused, as is the output coupling. The input coupling is worn and corroded and should be replaced.

Inside the unit, a thick layer of burnt lubrication coated all surfaces. The heaters had such a thick layer that they will need to be replaced. Additional labor hours are needed to properly clean this unit. The gearing was all varnished. All except the low speed gear can be reused. The low speed gear has corrosion and micro pitting on the gear teeth and should be replaced.

Repair of this unit requires replacing all lubrication lines, input coupling, low speed gear (36.01), sight gauge, breather, thermal coupling set to 20-degree C, heaters, an overhaul, cleaning and repainting. Additional labor hours are also required to clean the unit.

The operating conditions for this unit should be analyzed. It is clear the lubrication overheated inside the unit. Continuing to run at too high of temperatures could lead to catastrophic failure. A cooling system should also be considered.

Detailed Inspection Report		 Sumitomo Drive Technologies Sumitomo Machinery Corporation of America Authorized Repair Center	
Product Support Group Document:	RVE11951		
Author / Responsibility:	Will Zechman	Engineer	
Review & Approval:	Scott Arnett	Manager	
		10/19/2021	Page 5 of 5

Recommendations:

	Description	Selection
Specific Repairs	- Replace low speed gear (36.01) - Replace input coupling	X
Replace Motor	Replace motor and gasket	
Standard Overhaul	Replace all Bearings, Seals, Shims, Collars, and Gaskets	X
Standard Re-build	Replace all Bearings, Seals, Collars, Gaskets and all Reduction Components	
Standard Re-build Exceptions	<i>These parts are okay for re-use. Do not order new as part of Re-build.</i>	
Lubrication	- Replace sight gauge and breather - Replace heaters - Replace thermal coupling set at 20-degree C - Replace all lubrication lines and fittings	X
Additional Work	Additional labor required to remove all burnt lubrication from reduction components and interior of the housing	
Special Test Requirements		
Paint	Clean and repaint	X
Notes:		

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

Kiewit Infrastructure South Co
Hourly Rates (Confidential)
2021 Breakdown of Craft Wage Burden Rates

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

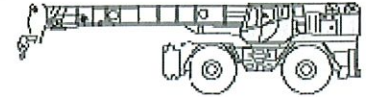
Wage Type	Survey		Electrician	
	Straight	OT	Straight	OT
Labor - Base Wages	\$ 33.00	\$ 49.50	\$ 25.94	\$ 38.91
PTO Burden	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.24
Tax Burden	\$ 2.53	\$ 3.80	\$ 2.95	\$ 3.95
Retirement Burden	\$ 0.66	\$ 0.66	\$ 0.66	\$ 0.66
Health Burden	\$ 1.73	\$ 1.73	\$ 1.73	\$ 1.73
Insurance 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

Rental Rate Blue Book®

June 1, 2020

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

Hourly

Standby Rate	USD \$51.59
Idling Rate	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)



9925 S. Industrial Dr.
Bridgeview, IL 60455-2408

800- 878-7305

Rentals@RentLGH.com

www.RentLGH.com

RENTAL QUOTATION

Quote Number: 457886.1
Quote Date: 08/04/2021
Account Number: KIE3
Customer Name: KIEWIT BUSINESS SERVICES
Customer Contact: EMILY BONNER
Phone Number: 402-938-4300
Fax Number: N/A
LGH Contact: Don Johnson
LGH Sales Rep: Brent Fox

The following are the **RENTAL** prices for the equipment you requested for your upcoming job. When placing your order, please complete the acknowledgement section on **PAGE 2** of this quote and fax it to 708-430-3536.

Rental Items

Qty.	Equipment Description	Each Per Week	Total Per Week
1	5 Ton Steel Adjustable Gantry (9'4" - 12'10" Height) MAKE/MODEL: SPANCO A Series CAPACITY: 5 TON INSERT TYPE: SHORT INSERT LENGTH: 107.25" INSERT SIZE: 6" X 3" X 1/4" WORKING HEIGHT UNDER BEAM: 9'4"-12'10" WEIGHT: 786 POUNDS BEAM SIZE: UP TO 40' Notes:DO NOT Lift Gantry Fully Assembled Accessories 1.5t Wll Come-a-long - Cable (used With Steel Gantries) (Qty 2)	\$674.00	\$674.00
1	5T GANTRY STEEL BEAM - 10' MAKE/MODEL: SPANCO S10 CAPACITY: 5 TON LENGTH: 10 FEET WEIGHT: 254 POUNDS FLANGE SIZE: 4.625" BEAM SIZE: S10 Accessories Lindaptor Clamps (for Gantry Beams) - Type A - Model La075s - 3/4" Bolt Size - Clipped Washer - 0 (Qty 8)	\$44.00	\$44.00

Qty.	Equipment Description	Each Per Week	Total Per Week
1	6T WLL PUSH TROLLEY - FLANGE 4"-10" MAKE/MODEL: Riggers R6T CAPACITY: 6 TON WEIGHT: 75 POUNDS FLANGE SIZE: 4-10" Flange Size ? 4.6	\$100.00	\$100.00
1	5T WLL HAND CHAIN HOIST W/ 20' HOL (20 FT Pull Chain) MAKE/MODEL: COFFING LHH-5B CAPACITY: 5 TON WEIGHT: 112.5 POUNDS MIN. HEAD ROOM: 22.63 INCHES PARTS OF CHAIN: 3 Accessories • 7.1x21.2mm Load Chain (60 ft) • 5x25mm Pull Chain (40 ft)	\$180.00	\$180.00
Total Per Week			\$998.00

Total Per Day

\$199.60

General Notes: FOB NASHVILLE FREIGHT NOT INCLUDED

**PRICE IS BASED ON 1 - 3 WEEKS MINIMUM RENTAL
PRICE IS BASED ON USD (\$)**

**MONTHLY RATES ARE FOR 28 DAYS
FREIGHT OR DELIVERY AND PICKUP CHARGES ARE NOT INCLUDED IN THE ABOVE QUOTE UNLESS
REQUESTED
TRANSFER RATES MAY APPLY BASED ON LOCATION AVAILABILITY**

From: Brian Sarmento <bsarmento@kimbrooil.com>

Sent: Monday, June 7, 2021 3:49 PM

To: Drew Selsor <Drew.Selsor@kiewit.com>

Cc: Ann Parady <apardy@kimbrooil.com>; Ryan Satterfield <rsatterfield@kimbrooil.com>; Brian Sarmento <bsarmento@kimbrooil.com>

Subject: [EXTERNAL] RE: Franklin WRF - Request for Quote Enduratex EP 320

Drew,

I have that in totes and will have to repack it to get you pails. Probably take a couple of days. But pricing I can give to you at \$10.76 per gallon. Let me know if you have any questions and I can get on the re-pack as soon as you give approval for the order.

Thank you,

Brian Sarmento | Kimbro Oil Company | Ph: [615-320-7484](tel:615-320-7484) | Fax: [615-320-5916](tel:615-320-5916) | Cell: [615-484-1174](tel:615-484-1174) | bsarmento@kimbrooil.com

Ovivo USA, LLC

4246 Riverboat Rd., Suite 300
Salt Lake City, Utah
84123-2583
USA

Telephone: 801.931.3000
Facsimile: 801.931.3080

www.ovivowater.com

**CHANGE ORDER #001**

Project Name: Franklin WRF
Project Purchase Order No.: 103925-MC-011
Ovivo Proposal No.: 2-29-0285Ab Rev1
Ovivo Job No.: CSW0001319

Description of Change	Delivery (days)	Price
(3) Sets Fasteners (including shipping) CSW1319-1F51 CSW1319-01 1 set of Fasteners	4 days	\$1,202.00 \$400.67
TOTAL PER THIS CHANGE ORDER	4 days	\$400.67
ORIGINAL PROJECT DELIVERY DATE & PRICE		\$122,766.00
ADJUSTED PROJECT TOTAL		\$123,968.00

This Change Order is for goods and/or services not originally included in the referenced Ovivo Proposal. Ovivo USA, LLC is not bound to the changes herein until this Change Order is fully executed. Except as specifically set forth herein all original terms and conditions, and all prior amendments and change orders, between the parties remain in full force and effect.

Accepted & Agreed:

Ovivo USA, LLC

By: Lisa Powers

Print: Lisa Powers

Date: April 1, 2021

Kiewit

By: _____

Print: _____

Date: _____



Kiewit

CP 115

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

December 6, 2021

To: Mr. Dan Harris CP-KIEWIT-00195.00

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 Change Proposal – Existing 36" Influent Line Elevation and Road Subgrade at NE Overhead Doors

Dear Mr. Harris,

Attached you will find Kiewit's revised change proposal for **Removing the Existing 36" Influent Line to set new Elevation and place Road Subgrade at the NE Overhead Doors of the Headworks Building** in the amount of **Fourteen Thousand Five Hundred Twenty-One Dollars (\$14,521.00)**.

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



Klöwite

Page 71 of 190

PREPARED BY: Alexander Potash

[illegible]

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

Kiewit Infrastructure South Co
Hourly Rates (Confidential)
2021 Breakdown of Craft Wage Burden Rates

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	2" to 3" Stone	350.00	TN	\$ 17.75	\$ 6,212.50
7	TDOT #4 Stone	200.00	TN	\$ 17.75	\$ 3,550.00
	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.

-
- .3 To insure proper pricing, Seller must be notified at earliest convenience. All tickets are to be signed and returned to Seller.
 - .4 All orders must reference job name to ensure proper pricing.
 - .5 Materials shall be delivered to the Project site as and when required by Contractor.
 - .6 Quantities may increase or decrease at Contractor's option.

4.0 Schedule of Work:

- .1 All required Submittals will be submitted to Kiewit in an approvable format three weeks from the date of this Material Contract.

5.0 Deliverables: In addition to any other provisions of this Contract, it is required that Seller make timely submission of the following to Contractor:

- .1 Furnish shop drawings and submittals for approval in strict accordance with specification section 01300. Material shall not be ordered or shipped until the shop drawings have been approved. No material shall be ordered or shop work started if shop drawings are marked "APPROVED AS NOTED - CONFIRM", "APPROVED AS NOTED - RESUBMIT" or "NOT APPROVED".

6.0 Modifications to the General Provisions: No special implication, interpretation, connotation, or meaning shall be assigned to this Material Contract because of changes to the standard General Provisions other than the precise meaning of the final language subsequent to such changes. The provisions of Attachment A and Attachment B take precedence over the General Provisions.

ATTACHMENT A
SCOPE OF WORK

Job Number: 103925
Trucking Agreement No. 103925-TA-001

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

Trucker: T&W Construction LLC
Trucking Agreement No.: 103925-TA-001
Contract ID Number: TXXXXXX-XXX
Trucking Agreement Date: 10/18/18

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

1.0 General Description of the "Work": Hourly Truck Hauling

- 1 Trucking of on-site material to stockpile, waste site as well as on-site hauls as directed by Contractor. Off-site hauls will be as directed by Contractor and to Contractor approved locations for legal disposal of waste.

2.0 Inclusions:

- 1 All applicable taxes shall be included in Trucker's pricing.
- 2 Trucker is responsible for all fines and traffic related tickets.
- 3 Trucker shall attend Contractor daily coordination/schedule meetings as determined by the Contractor.
- 4 Necessary permits required for hauling are the responsibility of the Trucker.
- 5 Trucker will appoint a representative whom will supervise performance of Work on site and coordinate Work as directed by the Contractor.
- 6 Trucker's equipment, including trucking, must be checked for leaks as to avoid any spills on site. Environmental concerns are high and Trucker shall comply with all state and federal environmental regulations including but not limited to having spill kits for dealing with spills as a result of Trucker's operations.
- 7 Truck drivers to have reflective vests, shirts with sleeves, hard hat, safety glasses, gloves, leather work boots and pants while on site.
- 8 Trucks will be in safe working condition, with backup alarms and functioning lights.
- 9 All required permits and licenses required for completing the scope of Work.
- 10 Night and weekend work is included at no additional cost.
- 11 Trucker to provide hauling tickets daily for Contractor to verify and sign. Additionally, Trucker will utilize Five Cubits software for tracking, provided by Contractor.
- 12 Trucker to clean truck of loose materials prior exiting Project site.
- 13 Trucker to provide copies of any lease agreement for Contractor to review and approve prior to using any outside leased trucks on the Project.

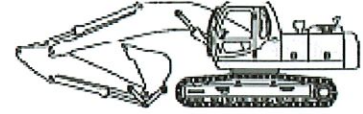
3.0 Exclusions:

- 1 Traffic Control.

4.0 Clarifications:

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®
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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(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

June 1, 2020

Wacker RT820 (disc. 2011)

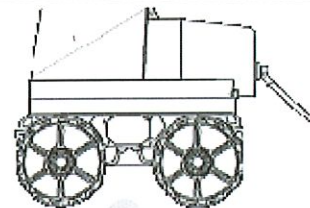
Trench Compactors

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 116

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

December 7, 2021

To: Mr. Dan Harris

CP-KIEWIT-00191.00

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 – Existing Feeder Breaker Replacement

Dear Mr. Harris,

Attached you will find Kiewit's change proposal for the **Existing Feeder Breaker Replacement at Blower #2** in the amount of **Seventeen Thousand Four Hundred Forty-One Dollars (\$17,441.00)**.

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



CP: Existing Blower Feeder Breaker Replacement

PREPARED BY: Galileo Rivera-Tobar

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	
Remove and Replace Check Valve					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Pipefitter (Foreman)	1.00	EA	1.00	1	\$ 72.38	\$ 72.38	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 72.38
Pipefitter	1.00	EA	2.00	2	\$ 70.15	\$ 140.30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140.30
Laborer	1.00	EA	2.00	2	\$ 37.79	\$ 75.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75.58
18" 5118 W/ EOPM & Spring Techno Water Check Valve	1.00	EA			\$ -	\$ -	\$ -	\$ -	\$ 3,553.00	\$ 3,553.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,553.00
Vicon-18" FF-150-125 F.F. Gasket	2.00	EA			\$ -	\$ -	\$ -	\$ -	\$ 165.00	\$ 330.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 330.00
1-1/8" DIA All Thread	24.00	LF			\$ -	\$ -	\$ -	\$ -	\$ 25.00	\$ 600.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600.00
Hex Nuts	64.00	EA			\$ -	\$ -	\$ -	\$ -	\$ 1.86	\$ 119.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 119.04
Remove and Replace Expansion Joint					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Pipefitter (Foreman)	1.00	EA	1.00	1	\$ 72.38	\$ 72.38	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 72.38
Pipefitter	1.00	EA	2.00	2	\$ 70.15	\$ 140.30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140.30
Laborer	1.00	EA	2.00	2	\$ 37.79	\$ 75.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75.58
18" Expansion Joints	1.00	EA			\$ -	\$ -	\$ -	\$ -	\$ 996.23	\$ 996.23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 996.23
Material Handling/Offloading					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Forklift Operator	1.00	EA	4.00	4	\$ 47.67	\$ 190.68	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190.68
Xtreme Forklift	4.00	HRS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60.00	\$ 240.00	\$ -	\$ -	\$ -	\$ -	\$ 240.00
Provide and Replace the Feeder Breaker for Existing Blower #2 - WJG	1.00	LS			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,583.82	\$ 8,583.82	\$ -	\$ -	\$ 8,583.82
Startup and Commissioning Assistance	1.00	EA	8.00	8	\$ 72.38	\$ 579.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 579.04
**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)	22	MHR			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TAX: (9.75% of Material, Equipment, Other)																	\$ 5.00
SUBTOTALS				22		\$ 1,346.24		\$ -		\$ 5,598.27		\$ 23.40		\$ 8,583.82		\$ 110.00	\$ 15,912.46
MARKUP %						15.00%		15.00%		15.00%		15.00%		5.00%		15.00%	\$ 1,528.49
SUBTOTALS WITH MARKUPS APPLIED						\$1,546.18		\$1,500.00		\$6,438.01		\$302.91		\$9,013.01		\$138.83	\$17,740.94
BOND																	
TOTAL																	\$17,740.94

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

Galileo.RiveraTobar

From: Kyle.Atchley
Sent: Friday, November 12, 2021 9:49 AM
To: Steven.Davis1
Cc: Thaddeus.Selby
Subject: FW: [EXTERNAL] 18" TECHNO CHECK VALVES
Attachments: AIS Example COC.pdf

Steve,

Please see below for the quote below provided by PPS for the replacement check valve on the City's Existing blower. Also attached is the certified letter they'd provide for AIS compliance.

Thanks,



Kyle Atchley
Startup Superintendent
Franklin WRF - 103295
Kiewit Water Facilities South
Cell: (320)510-4178
Kyle.atchley@kiewit.com

From: JBUNN@ <jbunn@processpipng.com>
Sent: Thursday, October 28, 2021 2:17 PM
To: Kyle.Atchley <Kyle.Atchley@ibberson.com>
Subject: [EXTERNAL] 18" TECHNO CHECK VALVES

PPS PROCESS PIPING SPECIALTIES INC

3563 WINDING WAY
PO BOX 252
NEWTOWN SQUARE PA 19073-0252

KYLE,

THANK YOU FOR YOUR INQUIRY. WE ARE PLEASED TO PRESENT OUR QUOTATION AS FOLLOWS:

QTY(2)
18" 5118 W/ EPDM & SPRING TECHNO WAFER CHECK VALVE
18. EHW CI AL U 32 125 FF
CAST IRON BODY
ALUMINUM INTERNALS
EPDM SEALING MEMBER (300F)
S.S. SPRING

125 PSI-CWP
NET PRICE \$3,553.00 EACH

DELIVERY: 2-3 WEEKS
F.O.B.: BALTIMORE MD
TERMS: NET 30 DAYS
PRICES ARE FIRM FOR THIRTY(30) DAYS FROM DATE OF THIS QUOTATION.

IF FAVORED WITH AN ORDER, PLEASE SEND TO PROCESS PIPING SPECIALTIES INC. PPS WILL ISSUE THE INVOICE(S).

ATTACHED IS INFORMATION FOR YOUR REVIEW.

PLEASE DO NOT HESITATE TO CONTACT US WITH ANY QUESTIONS.

VERY TRULY YOURS,

PROCESS PIPING SPECIALTIES INC
JOE BUNN
SALES REPRESENTATIVE
TECHNO VALVES

jbunn@processpiping.com
610-353-4905 (F) 610-353-0954

Jesus saith unto him, I am the way, the truth, and the life:
no man cometh unto the Father, but by me. (John 14:6)
<http://christianitypureandsimple.org/>

QUOTATION

PAGE: 1

DATE: 12/02/20

QUOTE NO. 212980

PLEASE REFER TO ABOVE WHEN ORDERING
REPLY TO YOUR INQUIRY:

FROM: NASHVILLE RUBBER & GASKET
1900 ELM TREE DRIVE

NASHVILLE TN 37210

PHONE: 615-883-0030

FAX: 615-885-9507

TO: KIEWIT INFRASTRUCTURE
SOUTH CO.
P.O. BOX 452500
OMAHA NE 68145

WHEN REPLYING, CONTACT:

MIKE WELCH

ATTN:

C.C.

FOLD

LINE NO.	QUANTITY	DESCRIPTION	UNIT PRICE	UNITS
10	12	VITON 6" FF 150 125	31.9400	EA
30	28	VITON 8" FF 150 125	48.1400	EA
50	7	VITON 12" FF 150 125	95.3300	EA
70	2	VITON-18"-FF-150-125	165.0000	EA
90	4	VITON 20" FF 150 125	199.6800	EA
110	2	VITON 30" FF 150 125	475.2000	EA
PLEASE REFERENCE THE ABOVE QUOTE NUMBER WHEN PLACING ORDER.				
*** TOTALS *** EXTENDED AMOUNT			330.00	

F.O.B. SP,FNA,PREPAID

PAYMENT TERMS 1% 10, NET 30

BY _____
AUTHORIZED SIGNATURE

Quotation

Bill-To-Party : 119957 KIEWIT CORPORATION 1000 KIEWIT PLAZA OMAHA NE 68131	Information Quotation Number 20993343 Quotation Created Date 12/03/2021 Customer Number 119957 Inside Salesman Ryan Whitefield Outside Salesman Dave Brown QUOTE VALID FOR 5 DAY/S Expires 12/08/2021
Ship-To-Party : 5330737 KIEWIT WWTP 135 CLAUDE YATES DRIVE FRANKLIN TN 37064	

Notes from the Customer:

Item	Material	Quantity	Price Per	Unit	Amount
10	ALLTHREAD 1-1/8" GRADE B7 ALL THREAD 12'	2 EA	300.00 \$ /12ft = \$25/ft	1 EA	600.00
20	ALLTHREAD 1-1/8" NUTS	64 EA	1.86 \$	1 EA	119.04
Items total:					719.04
Sales Coupon:					0.00
Total Amount:					\$ 719.04

Signature _____ Date _____



general rubber

From the Simple to the Simply Amazing

ISO 9001 | 14001 CERTIFIED

QUOTATION

#2106702

10/28/2021

GRC Contact:

Kelvin Mayrina

kelvin@general-rubber.com

941-412-0001 X 203

ATTN: Kyle Atchley
Kiewit

Factory: Tucson, AZ
Freight Terms: PP & Add
Lead Time: Currently in Stock
Payment Terms:

NOTES:

Embossed part number on existing joint is 1002262016

Line	Item - Description	Qty	Unit Price	Extended
1	1101-0180-080-OEE (1101 O/A 18 X 8 F/F EPDM) Open Arch. Rated for 160 PSI, 30 in. Hg Vacuum, 250 Deg. F. Standard 150# Drilling	1	\$813.01	\$813.01
2	RRS-0180-CSG (R/R Set 18 in. CSG) Split galvanized steel retaining rings.	1	\$183.22	\$183.22
Total USD				\$996.23

Thank you for the opportunity to quote. This quotation is valid for 30 days. Manufactured items are non-returnable. A \$45.00 handling fee for truck shipments will be charged if you do not provide a carrier account number.

By acceptance of our quotation, you agree we will not be liable for any of your costs and damages resulting from delay in delivery due to coronavirus and we will be allowed to suspend delivery until the consequences of the coronavirus can reasonably be overcome. Any agreed liquidated damages and/or penalties which would become due in the case of delay will not be due if the delay is a result of the coronavirus.

Warranty- All merchandise ordered shall be sold subject to SELLER'S standard warranty, viz: SELLER warrants that any product of its manufacture, which upon examination is found by a SELLER'S representative to be defective either in workmanship or material whereby it is not suitable under proper usage and service for the purpose for which designed, will be, at SELLER'S option, repaired or replaced free of charge, not to include cost of installation, provided that, SELLER receives written claim specifying the defect within one year after SELLER ships the product. ALL OTHER WARRANTIES EXPRESSED AND IMPLIED INCLUDING ANY WARRANTY OF MERCHANTABILITY ARE HEREBY DISCLAIMED. The foregoing expresses all of SELLER'S obligations and liabilities with respect to the quality of items furnished by it and it shall under no circumstances be liable for consequential damages.

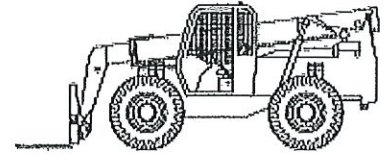
Rental Rate Blue Book®

June 3, 2020

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%)						
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
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)



WAYNE J.
GRIFFIN ELECTRIC
INC.

October 29, 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 #82

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 to provide and replace the existing 400A feeder breaker for Existing Blower #2 in the 480V Switchgear at the BNR Electric Building. Switchgear will have to be shut down for this work.

Material	\$	6,399.09
Labor		1,027.22
Overhead & Profit		1,113.95
Subtotal	\$	8,540.26
Bond		43.56
Total	\$	8,583.82

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

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. 6159 or nyoung@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.

A handwritten signature in black ink, reading "Nicholas Young", is written over a rectangular box.

Nicholas A. Young
Project Manager

NAY/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-0082, Existing Blower 400A Feeder Breaker f
Date: 10/28/2021
Project Name: Franklin WRF Mods and Exp
Project Number: 06198-00-18
Page Number: 1

Work Description

This proposal is to provide & replace the existing 400A feeder breaker for Existing Blower #2 in the 480V Switchgear at the BNR Electric Building. Switchgear will have to be shutdown for this work.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
As Bults	0.00	0.0000	HRS	0.000	0.000	0.300
Cleanup	0.00	0.0000	HRS	0.000	0.000	0.300
Tools	0.00	0.0000	HRS	0.000	0.000	0.360
Field Safety/JHA	0.00	0.0000	HRS	0.000	0.000	0.300
Supervision	0.00	0.0000	HRS	0.000	0.000	0.600
Project Controls	0.00	0.0000	HRS	0.000	0.000	0.600
400/3 BOLT-ON BREAKER	1.00	6,399.0900	EA	6,399.090	12.000	12.000
Totals				6,399.09		14.46
Tax				0.00		
Materials with Tax				6,399.09		

Summary

	Itemized Breakdown Total	6,399.09
Elect. Journeyman	(14.4600 hrs @ \$71.04 / hr)	1,027.24
		1,027.24
Overhead & Profit	(\$7,426.31 @ 15.00%)	1,113.95
		1,113.95
Bond	(\$8,540.26 @ 0.51%)	43.56
		43.56
		1,157.51
Total		\$8,583.82



1040 LONDON DR
BIRMINGHAM AL 35211-4542
Phone: 205-244-2553
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: LEVI.PATMON@GRAYBAR.COM

Date: 10/27/2021
Proj Name: FRANKLIN BREAKER
GB Quote #: 0239223036
Release Nbr:
Purchase Order Nbr:
Additional Ref#
Valid From: 10/27/2021
Valid To: 11/26/2021
Contact: Levi Patmon
Email: levi.patmon@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		1 EA	SQUARE D CO.	LRA36400U31X	BREAKER 400A 600V	\$6,399.09	1	\$6,399.09
GB Part #: 25648519 UPC #: 78590170267								

Total in USD (Tax not included): \$6,399.09

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: 10/27/2021
Proj Name: FRANKLIN BREAKER
GB Quote #: 0239223036

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 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 (I) 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 regulations and orders of the United States Department of Labor issued under Section 14 thereof. This agreement is subject to Executive Order 11246, as amended, the Rehabilitation Act of 1973, as amended, 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.

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 5, 2021

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

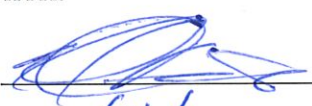
CCA NUMBER: 68 **CDM SMITH PROJ. NO.:** 14915-231666

SUBJECT: Clarifier Distribution Box **CITY PROJECT NO.:** 2017-0264

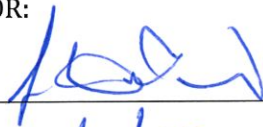
REFERENCE: (See Below)

DESCRIPTION: Exploratory excavation indicated that the existing 42" BNRE was further to the west than indicated, presenting a hazard of undermining the existing distribution box slab on grade during installation of the new 48" BNRE and construction of the new influent box. To mitigate this issue, the new influent box is to be extended by 6'-0" as shown on revised Sheets S-22 and S-23 attached hereto.

CDM SMITH:

By: 
Date: 2/11/22

CONTRACTOR:

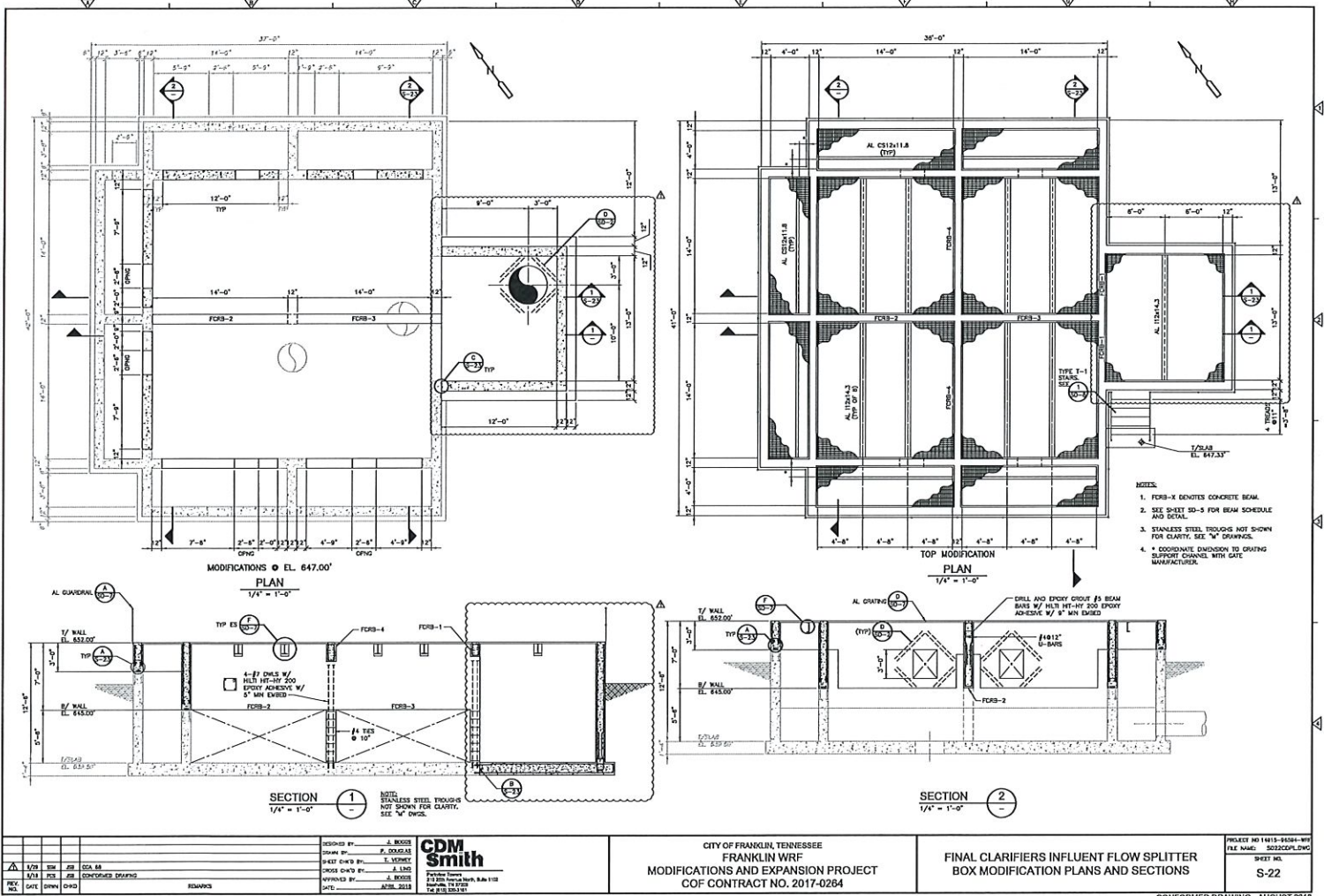
By: 
Date: 2/11/22

City of Franklin:

By: _____

Date: _____

NOTES: (CONTINUED FROM SHEET S-21)
 1. ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS IN PARENTHESES ARE IN METERS.
 2. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
 3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS NOTED OTHERWISE.
 4. ALL DIMENSIONS ARE TO OUTLINE UNLESS NOTED OTHERWISE.
 5. ALL DIMENSIONS ARE TO CENTERLINE UNLESS NOTED OTHERWISE.
 6. ALL DIMENSIONS ARE TO OUTLINE UNLESS NOTED OTHERWISE.
 7. ALL DIMENSIONS ARE TO CENTERLINE UNLESS NOTED OTHERWISE.
 8. ALL DIMENSIONS ARE TO OUTLINE UNLESS NOTED OTHERWISE.
 9. ALL DIMENSIONS ARE TO CENTERLINE UNLESS NOTED OTHERWISE.
 10. ALL DIMENSIONS ARE TO OUTLINE UNLESS NOTED OTHERWISE.

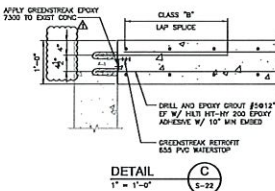


CITY OF FRANKLIN, TENNESSEE
 FRANKLIN WRF
 MODIFICATIONS AND EXPANSION PROJECT
 COF CONTRACT NO. 2017-0264

FINAL CLARIFIERS INFLUENT FLOW SPLITTER
 BOX MODIFICATION PLANS AND SECTIONS

PROJECT NO. 18013-0008-MY
 FILE NAME: S22CLFPLN.DWG
 SHEET NO.
 S-22

CONFORMED DRAWING - AUGUST 2018





Kiewit

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

November 19, 2021

To: Attn: Mr. Dan Harris

CCA-CDM-00070.01

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 068 – Clarifier Distribution Box Extension

Dear Mr. Harris,

Attached you will find Kiewit's cost proposal for **CCA 068 – Clarifier Distribution Box Extension** in the amount of **Forty Thousand Seven Hundred Twenty-Four Dollars (\$40,724.00)**.

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: 11/19/2021

CCA NO.: 068 - Clarifier Distribution Box

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			
Clarifier Box Extension																	
Labor Cost																	
Excavation - Structural	160	CY	0.14	22.4													
	1	EA		3.2	\$ 60.15	\$ 192.48											\$ 192.48
	2	EA		12.8	\$ 37.79	\$ 483.71											\$ 483.71
Operator - Excavator	1	EA		6.4	\$ 42.26	\$ 270.46											\$ 270.46
Berms - knock down/grade	160	CY	0.04	5.9													
	1	EA		2.0	\$ 60.15	\$ 118.70											\$ 118.70
	1	EA		3.9	\$ 47.67	\$ 188.14											\$ 188.14
Underslab - Sub Base	12	SY	0.04	1.0													
	1	EA		0.3	\$ 60.15	\$ 8.46											\$ 8.46
	2	EA		0.6	\$ 37.79	\$ 10.62											\$ 10.62
Operator - Excavator	1	EA		0.3	\$ 42.26	\$ 5.94											\$ 5.94
Rebar - Unload / Handle	1	TN	1.73	1.7													
	1	EA		1.0	\$ 47.67	\$ 47.67											\$ 47.67
	1	EA		1.0	\$ 37.79	\$ 37.79											\$ 37.79
Rebar - Install	1	TN	24.66	24.7													
	1	EA		8.2	\$ 60.15	\$ 494.37											\$ 494.37
	2	EA		16.4	\$ 55.34	\$ 909.68											\$ 909.68
Operator - Forklift	1	EA		0.3	\$ 47.67	\$ 11.92											\$ 11.92
SOG - Finegrade	108	SF	0.05	5.8													
	1	EA		1.2	\$ 60.15	\$ 70.16											\$ 70.16
	2	EA		2.3	\$ 55.34	\$ 129.10											\$ 129.10
Laborer	2	EA		2.3	\$ 37.79	\$ 88.16											\$ 88.16
SOG - Joint Prep	16	SF	0.07	1.2													
	1	EA		0.2	\$ 60.15	\$ 14.05											\$ 14.05
	2	EA		0.5	\$ 55.34	\$ 25.85											\$ 25.85
Laborer	2	EA		0.5	\$ 37.79	\$ 17.66											\$ 17.66
SOG - Fab Forms	16	SF	0.31	4.9													
	1	EA		1.0	\$ 60.15	\$ 59.28											\$ 59.28
	2	EA		2.0	\$ 55.34	\$ 109.09											\$ 109.09
Laborer	2	EA		2.0	\$ 37.79	\$ 74.49											\$ 74.49
Operator - Forklift	1	EA		0.3	\$ 47.67	\$ 11.92											\$ 11.92
SOG - E/S Forms	16	SF	0.43	6.9													
	1	EA		1.4	\$ 60.15	\$ 83.54											\$ 83.54
	2	EA		2.8	\$ 55.34	\$ 153.71											\$ 153.71
Laborer	2	EA		2.8	\$ 37.79	\$ 104.97											\$ 104.97
Operator - Forklift	1	EA		0.3	\$ 47.67	\$ 11.92											\$ 11.92
Operator - Crane	1	EA		0.3	\$ 47.67	\$ 11.92											\$ 11.92
SOG - P/F/C	5	CY	1.62	8.2													
	1	EA		1.6	\$ 60.15	\$ 98.35											\$ 98.35
	2	EA		3.3	\$ 55.34	\$ 180.96											\$ 180.96



DATE: 11/19/2021

CCA NO.: 068 - Clarifier Distribution Box

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	2	EA		3.3	\$ 37.79	\$ 123.57		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 123.57
Operator - Crane	1	EA		1.0	\$ 47.67	\$ 47.67		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 47.67
SOG - Dry Finish	16	SF	0.07	1.1				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	1	EA		0.2	\$ 60.15	\$ 13.28		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 13.28
Carpenter	2	EA		0.4	\$ 55.34	\$ 24.44		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 24.44
Laborer	2	EA		0.4	\$ 37.79	\$ 16.69		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 16.69
SOG - Waterstop	12	LF	0.19	2.2				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	1	EA		0.4	\$ 60.15	\$ 26.71		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 26.71
Carpenter	2	EA		0.9	\$ 55.34	\$ 49.14		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 49.14
Laborer	2	EA		0.9	\$ 37.79	\$ 33.56		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 33.56
SOG - Vapor Barrier	108	SF	0.02	1.6				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	1	EA		0.3	\$ 60.15	\$ 19.49		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 19.49
Carpenter	2	EA		0.6	\$ 55.34	\$ 35.86		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 35.86
Laborer	2	EA		0.6	\$ 37.79	\$ 24.49		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 24.49
CIP Walls Form 2-Side - Joint Prep	12	SF	0.07	0.9				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	1	EA		0.2	\$ 60.15	\$ 10.54		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 10.54
Carpenter	2	EA		0.4	\$ 55.34	\$ 19.39		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 19.39
Laborer	2	EA		0.4	\$ 37.79	\$ 13.24		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 13.24
CIP Walls Form 2-Side - Fab Forms	300	SF	0.09	27.6				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	1	EA		5.5	\$ 60.15	\$ 332.03		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 332.03
Carpenter	2	EA		11.0	\$ 55.34	\$ 610.95		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 610.95
Laborer	2	EA		11.0	\$ 37.79	\$ 417.20		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 417.20
Operator - Forklift	1	EA		0.3	\$ 47.67	\$ 11.92		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 11.92
CIP Walls Form 2-Side - E/S Forms	300	SF	0.24	71.4				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	1	EA		14.3	\$ 60.15	\$ 858.94		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 858.94
Carpenter	2	EA		28.6	\$ 55.34	\$ 1,580.51		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 1,580.51
Laborer	2	EA		28.6	\$ 37.79	\$ 1,079.28		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 1,079.28
Operator - Forklift	1	EA		0.3	\$ 47.67	\$ 11.92		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 11.92
Operator - Crane	1	EA		0.5	\$ 47.67	\$ 23.84		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 23.84
CIP Walls Form 2-Side - P/F/C	6	CY	1.07	5.9				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	1	EA		1.2	\$ 60.15	\$ 71.32		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 71.32
Carpenter	2	EA		2.4	\$ 55.34	\$ 131.23		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 131.23
Laborer	2	EA		2.4	\$ 37.79	\$ 89.61		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 89.61
Operator - Crane	1	EA		1.2	\$ 47.67	\$ 57.20		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 57.20
CIP Walls Form 2-Side - Dry Finish	300	SF	0.02	7.2				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	1	EA		1.4	\$ 60.15	\$ 86.62		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 86.62
Carpenter	2	EA		2.9	\$ 55.34	\$ 159.38		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 159.38
Laborer	2	EA		2.9	\$ 37.79	\$ 108.84		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 108.84
Misc Metals - Embeds	2	EA	10.38	20.8				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	1	EA		4.2	\$ 60.15	\$ 249.62		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 249.62
Carpenter	2	EA		8.3	\$ 55.34	\$ 459.32		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 459.32
Laborer	2	EA		8.3	\$ 37.79	\$ 313.66		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 313.66
Misc Metals - Grating	78	SF	0.10	8.0				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	1	EA		1.6	\$ 60.15	\$ 96.65		\$ -		\$ -		\$ -		\$ -		\$ -	\$ 96.65



DATE: 11/19/2021

CCA NO.: 068 - Clarifier Distribution Box

PREPARED BY: Drew Selsor																	
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	
Carpenter	2	EA		3.2	\$ 55.34	\$ 177.84				\$ -		\$ -		\$ -		\$ -	\$ 177.84
Laborer	2	EA		3.2	\$ 37.79	\$ 121.44				\$ -		\$ -		\$ -		\$ -	\$ 121.44
Misc Metals - Handrail	12	LF	0.94	11.3						\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	1	EA		2.3	\$ 60.15	\$ 135.55				\$ -		\$ -		\$ -		\$ -	\$ 135.55
Carpenter	2	EA		4.5	\$ 55.34	\$ 249.43				\$ -		\$ -		\$ -		\$ -	\$ 249.43
Laborer	2	EA		4.5	\$ 37.79	\$ 170.33				\$ -		\$ -		\$ -		\$ -	\$ 170.33
										\$ -		\$ -		\$ -		\$ -	\$ -
										\$ -		\$ -		\$ -		\$ -	\$ -
										\$ -		\$ -		\$ -		\$ -	\$ -
Material cost										\$ -		\$ -		\$ -		\$ -	\$ -
										\$ -		\$ -		\$ -		\$ -	\$ -
Concrete (HRWR + Enviro Fee)	10.00	CY							\$ 147.00	\$ 1,470.00		\$ -		\$ -		\$ -	\$ 1,470.00
										\$ -		\$ -		\$ -		\$ -	\$ -
Rebar - Slab & Wall (CMC)	1.00	LS							\$ 1,100.00	\$ 1,100.00		\$ -		\$ -		\$ -	\$ 1,100.00
										\$ -		\$ -		\$ -		\$ -	\$ -
Waterstop	12.00	LF							\$ 2.94	\$ 35.24		\$ -		\$ -		\$ -	\$ 35.24
										\$ -		\$ -		\$ -		\$ -	\$ -
										\$ -		\$ -		\$ -		\$ -	\$ -
48" Pipe Addition (Core & Main)										\$ -		\$ -		\$ -		\$ -	\$ -
MK 17353 - 48"x01"x09 11/16" DI CL200 HP-LOK BEL	1.00	EA							\$ 3,292.59	\$ 3,292.59		\$ -		\$ -		\$ -	\$ 3,292.59
										\$ -		\$ -		\$ -		\$ -	\$ -
Handrail, Grating, Embeds (HME)	1.00	LS							\$10,076.00	\$ 10,076.00		\$ -		\$ -		\$ -	\$ 10,076.00
										\$ -		\$ -		\$ -		\$ -	\$ -
Formwork										\$ -		\$ -		\$ -		\$ -	\$ -
2x6 Lumber #2 SYP	408.00	LF							\$ 0.61	\$ 248.88		\$ -		\$ -		\$ -	\$ 248.88
Snap Tie - A3 HVY	52.00	EA							\$ 2.04	\$ 106.08		\$ -		\$ -		\$ -	\$ 106.08
Snap Tie Waterstop	52.00	EA							\$ 1.35	\$ 70.20		\$ -		\$ -		\$ -	\$ 70.20
Coil Rod 3/4"	72.00	LF							\$ 2.60	\$ 186.91		\$ -		\$ -		\$ -	\$ 186.91
Plywood AC Grade	316.00	SF							\$ 2.49	\$ 786.84		\$ -		\$ -		\$ -	\$ 786.84
#57 Stone	2.00	TN							\$ 18.00	\$ 36.00		\$ -		\$ -		\$ -	\$ 36.00
Vapor Barrier	90.00	SF							\$ 0.10	\$ 8.99		\$ -		\$ -		\$ -	\$ 8.99
										\$ -		\$ -		\$ -		\$ -	\$ -
Equipment										\$ -		\$ -		\$ -		\$ -	\$ -
CAT 349 Excavator	6.40	HR							\$ 245.20	\$ 1,569.28		\$ -		\$ -		\$ -	\$ 1,569.28
Forklift - Xtreme 1055	2.25	HR							\$ 60.00	\$ 135.00		\$ -		\$ -		\$ -	\$ 135.00
Tadano GR 750 XL	2.95	HR							\$ 189.96	\$ 560.38		\$ -		\$ -		\$ -	\$ 560.38
Dozer CAT D8K	4.00	HR							\$ 148.94	\$ 595.76		\$ -		\$ -		\$ -	\$ 595.76
										\$ -		\$ -		\$ -		\$ -	\$ -
Subcontract										\$ -		\$ -		\$ -		\$ -	\$ -
Truck Hauling - Excavation	18.00	HR							\$ 90.00	\$ 1,620.00		\$ -		\$ -		\$ -	\$ 1,620.00
										\$ -		\$ -		\$ -		\$ -	\$ -
**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)	235	MHR								\$ -		\$ -		\$ -		\$ -	\$ -
										\$ -		\$ -		\$ -		\$ -	\$ -
TAX: (9.75% of Material, Equipment, Other)												\$ 278.89			\$ 5.00	\$ 1,174.17	\$ 1,174.17
																\$114.48	\$ 393.37



DATE: 11/19/2021

CCA NO.: 068 - Clarifier Distribution Box

PREPARED BY: Drew Selsor

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	
SUBTOTALS						\$ 12,087.74	\$ -	\$ 17,417.74	\$ 3,139.31	\$ 1,620.00					\$ 1,288.65		\$ 35,553.44
MARKUP %						15.00%	15.00%	15.00%	15.00%	5.00%					15.00%		\$ 5,171.02
SUBTOTALS WITH MARKUPS APPLIED						\$ 13,900.90		\$ 20,030.40	\$ 3,610.21	\$ 1,701.00					\$ 1,481.95		\$ 40,724.46
BOND																	
TOTAL																	\$ 40,724.00

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

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.

CDH .8 Contractor shall receive a ^{\$13.00} 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.

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. _____

- .3 Seller shall arrive onsite at the time scheduled and agreed upon by Contractor and Seller. If Seller arrives more than 60 minutes after its scheduled arrival time, Contractor may charge Seller its actual documented cost per hour for downtime of its crews until Seller arrives.

5.0 Unit Prices, Options and Allowances: The following items shall be provided by Seller as necessary, and will require a written fully executed change order.

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

6.0 Deliverables: In addition to any other provisions of this Contract, it is required that Seller make timely submission of the following to Contractor:

- .1 Furnish shop drawings and submittals for approval within 28 days of the Effective Date of Contract in strict accordance with specification section 01300. Submittals shall be submitted timely to allow thirty (30) calendar days for Contractor and Owner review and not delay prosecution of the Work. Material shall not be ordered or shipped until the shop drawings have been approved. No material shall be ordered or shop work started if shop drawings are marked "APPROVED AS NOTED - CONFIRM", "APPROVED AS NOTED - RESUBMIT" or "NOT APPROVED".



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

CMC Change Order #: CO40

Change Order Date: 10/25/21

CHANGE ORDER REQUEST

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

Project: Franklin WWTP

CMC Job #: 1922800003

Subject: Clarifier Splitter Box Extension

Description of Changes:

Clarifier Splitter Box Extension

Amount of this Change Order (excluding taxes) **\$ 1,100.00**

It is mutually agreed that for such change the contract price is changed by \$ **1,100.00** , 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: _____

CMC Representative - Corey White

Date: _____

Date: _____

Quotation

Bill-To-Party : 119957 KIEWIT CORPORATION 1000 KIEWIT PLAZA OMAHA NE 68131		Information Quotation Number 20924704 Quotation Created Date 07/08/2021 Customer Number 119957 Inside Salesman Jeff Ervin Outside Salesman Dave Brown 			
--	--	--	--	--	--

Signature _____ Date _____

Drew.Selsor

From: Jones, Jared <Jared.Jones@coreandmain.com>
Sent: Wednesday, November 17, 2021 7:27 AM
To: Drew.Selsor; William.McMillen
Cc: May, Linda; Michael.Pachuilo
Subject: [EXTERNAL] RE: Franklin WRF - CCA 68 Clarifier Splitter Box

Your cost for MK 17353 at the description below is \$3,292.59. Current lead time is 8 weeks to ship. Let us know if you want to release.

TAG NUMBER	QTY	SIZE	DESCRIPTION OF MATERIAL
17353	01	48"x01'-09 11/16"	DI CL200 HP-LOK BELL x HP-LOK PE P401/B

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: Drew.Selsor <Drew.Selsor@kiewit.com>
Sent: Tuesday, November 16, 2021 3:55 PM
To: William.McMillen <William.McMillen@kiewit.com>; Jones, Jared <Jared.Jones@coreandmain.com>
Cc: May, Linda <Linda.May@coreandmain.com>; Michael.Pachuilo <Michael.Pachuilo@kiewit.com>
Subject: RE: Franklin WRF - CCA 68 Clarifier Splitter Box

CAUTION: External

Jared,

Can you also please send the pricing for #17353?

Thank you,
Drew

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# 46: CCA-068.00 FINAL CLARIFIERS

\$10,076.00

PER CCA-068.00 ADDED MATERIAL TO EXTEND THE NEW INFLUENT BOX PER REVISED SHEET S-22.

1: CCA-068.00 FINAL CLARIFIERS

TOTAL, THIS CHANGE ORDER REQUEST

\$10,076.00

*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.

Submitted By: HME, Inc.

Signed: _____

Signed: _____

Date: _____

Date: _____

Elder Building Supply, Inc.

401 Cowan Street
Nashville, TN 37207

Estimate

Date	Estimate #
8/2/2021	7626

Name / Address
Kiewit 1044 -103925 Kiewit Infrastructure South Co. PO Box 452500 Omaha NE 68145-2500 US

Ship To
Franklin

Rep	Project
MKE	

Description	Qty	Each	Total
2 x 4 - 16 #2 Southern Yellow Pine (208)	416	7.78	3,236.48T
2 x 6 - 16 #2 Southern Yellow Pine	200	9.77	1,954.00T
4 x 8 - 3/4 CDX Plywood	80	38.44	3,075.20T
$\$9.77 / 16\text{FT} = \$0.61/\text{FT}$			

Prices good for 3 Days

Subtotal \$8,265.68

Sales Tax (9.25%) \$764.58

Total \$9,030.26

Phone #	Fax #
615-244-4305	615-242-2387

Quotation

Bill-To-Party : 119957 KIEWIT CORPORATION 1000 KIEWIT PLAZA OMAHA NE 68131	Information Quotation Number 20942474 Quotation Created Date 08/17/2021 Customer Number 119957 Inside Salesman Jeff Ervin Outside Salesman Dave Brown QUOTE VALID FOR 5 DAY/S Expires 08/22/2021
Ship-To-Party : 5330737 KIEWIT WWTP 135 CLAUDE YATES DRIVE FRANKLIN TN 37064	

Notes from the Customer:

Item	Material	Quantity	Price Per	Unit	Amount
10	OCM-25 UCR ULTRA C RING WATERSTOP Split the overall quantity over the following delivery dates: Quantity Unit Delivery Date 500 EA Day 08/16/2021	1,400 EA	1.35 \$	1 EA	1,890.00
20	BAR SUPPORTS A3A2 A3 HVY SNAP TIE W/ 1" X 1-1/2" SNAP A3A2 - A-3 HVY SNAP TIE WITH 1" X 1 1/2" PLASTIC CONES 12" WALL 1-1/2" BREAK BACK 10-1/2" LUMBER & WEDGE * SNAP TIE PROVIDES A 3,350# (14.9 KN) SWL 15 DAY LEAD TIME	200 EA	2.04 \$	1 EA	408.00
30	BAR SUPPORTS A3A2 A3 STD SNAP TIE W/ 1" X 1-1/2" A3A2 - A-3 STD SNAP TIE WITH 1" X 1 1/2" PLASTIC CONES 12" WALL, 1-1/2" BREAK BACK 8-1/4" LUMBER & WEDGE * SNAP TIE PROVIDES A 2,250# (10 KN) SWL 15 DAY LEAD TIME	400 EA	1.50 \$	1 EA	600.00
40	BAR SUPPORTS A3A2 A3 STD SNAP TIE W/ 1" X 1-1/2"	700 EA	1.42 \$	1 EA	994.00

Quotation

Bill-To-Party : 119957 KIEWIT CORPORATION 1000 KIEWIT PLAZA OMAHA NE 68131	Information Quotation Number 20936966 Quotation Created Date 08/04/2021 Customer Number 119957 Inside Salesman Jeff Ervin Outside Salesman Dave Brown QUOTE VALID FOR 5 DAY/S Expires 08/09/2021
Ship-To-Party : 5330737 KIEWIT WWTP 135 CLAUDE YATES DRIVE FRANKLIN TN 37064	

Notes from the Customer:

Item	Material	Quantity	Price Per	Unit	Amount
10	DAY-46228 B-12 3/4" COIL ROD	120 FT	25.96 \$	10 FT	311.52
20	DAY-45700 B-13 3/4" COIL NUT	50 EA	58.60 \$	100 EA	29.30
30	DAT-15468 12 X 8 1/4 SNAPTIES 1 X 1 CONE 100 PER B	1 BOX	85.20 \$	1 BO X	85.20
Items total:					426.02
Sales Coupon:					0.00
Total Amount:					\$ 426.02

Signature _____ Date _____

Drew.Selsor

From: Andrea Cornwell <acornwell@elderbuildingsupply.com>
Sent: Thursday, July 15, 2021 11:13 AM
To: Drew.Selsor
Cc: Mitchell.Hickey
Subject: [EXTERNAL] RE: Franklin WRF - Request for Quote Plywood

See below.

From: Drew.Selsor <Drew.Selsor@kiewit.com>
Sent: Thursday, July 15, 2021 9:37 AM
To: Andrea Cornwell <acornwell@elderbuildingsupply.com>
Cc: Mitchell.Hickey <Mitchell.Hickey@kiewit.com>
Subject: Franklin WRF - Request for Quote Plywood

Good morning Andrea,

Can you please provide a quote and approximate lead time for the following items:

- (25ea) sheets of 4'x8' AC 3/4' plywood 79.80 **\$79.80 / 32SF = \$2.49/SF**
- ~~-(25ea) sheets of 4'x8' BC 3/4" Plywood only stock AC~~
- ~~-(25ea) sheets of 4'x8' CC 3/4" Plywood 58.50 for CDX plywood~~

Much appreciated,
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

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	2" to 3" Stone	350.00	TN	\$ 17.75	\$ 6,212.50
7	TDOT #4 Stone	200.00	TN	\$ 17.75	\$ 3,550.00
	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.



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

Page 1 of 1
09/22/2021 15:24

Quotation

Bill-To-Party : 119957 KIEWIT CORPORATION 1000 KIEWIT PLAZA OMAHA NE 68131	Information Quotation Number 20959716 Quotation Created Date 09/22/2021 Customer Number 119957 Inside Salesman Jeff Ervin Outside Salesman Dave Brown <
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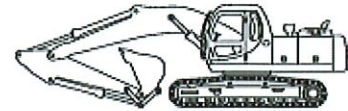
Signature _____ Date _____

Rental Rate Blue Book®

June 1, 2020

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%)					-	
Total:	USD \$21,878.01	USD \$6,128.43	USD \$1,530.76	USD \$231.77	USD \$120.89	USD \$245.20

Non-Active Use Rates

Hourly

Standby Rate

USD \$65.88

Idling Rate

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

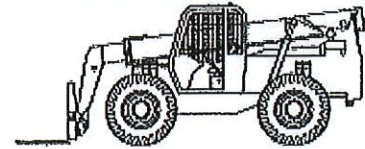
These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

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

Rental Rate Blue Book®

June 3, 2020

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%)						
Total:	USD \$7,075.00	USD \$1,980.00	USD \$495.00	USD \$74.00	USD \$40.28	USD \$80.48

Non-Active Use Rates

 Standby Rate
 Idling Rate

USE \$60/HR
 Do not have XTREME - Hourly
 10ES on Equipment build
 USD \$16.88
 USD \$50.69

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

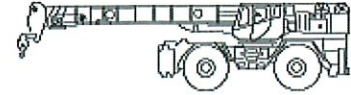
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 The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
 (Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

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

Hourly

Standby Rate	USD \$51.59
Idling Rate	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)

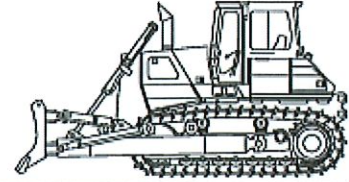
Rental Rate Blue Book®

June 1, 2020

Caterpillar D6T

Standard Crawler Dozers

Size Class:
160 - 189 HP
Weight:
40550 lbs


Configuration for D6T

Dozer Type **Semi-U** Net Horsepower **185.0 hp**
Operator Protection **EROPS** 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 \$14,305.00	USD \$4,005.00	USD \$1,000.00	USD \$150.00	USD \$62.22	USD \$143.50
Adjustments						
Region (Franklin, Tennessee: 106.7%)	USD \$958.43	USD \$268.33	USD \$67.00	USD \$10.05		
Model Year (2020: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$15,263.43	USD \$4,273.33	USD \$1,067.00	USD \$160.05	USD \$62.22	USD \$148.94

Non-Active Use Rates

	Hourly
Standby Rate	USD \$40.76
Idling Rate	USD \$108.80

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	30%	USD \$4,291.50/mo
Overhaul (ownership)	52%	USD \$7,438.60/mo
CFC (ownership)	9%	USD \$1,287.45/mo
Indirect (ownership)	8%	USD \$1,144.40/mo
Fuel (operating) @ USD 3.07	35%	USD \$22.08/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)

ATTACHMENT A
SCOPE OF WORK

Job Number: 103925
Trucking Agreement No. 103925-TA-001

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

Trucker: T&W Construction LLC
Trucking Agreement No.: 103925-TA-001
Contract ID Number: TXXXXXX-XXX
Trucking Agreement Date: 10/18/18

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

1.0 General Description of the "Work": Hourly Truck Hauling

1. Trucking of on-site material to stockpile, waste site as well as on-site hauls as directed by Contractor. Off-site hauls will be as directed by Contractor and to Contractor approved locations for legal disposal of waste.

2.0 Inclusions:

1. All applicable taxes shall be included in Trucker's pricing.
2. Trucker is responsible for all fines and traffic related tickets.
3. Trucker shall attend Contractor daily coordination/schedule meetings as determined by the Contractor.
4. Necessary permits required for hauling are the responsibility of the Trucker.
5. Trucker will appoint a representative whom will supervise performance of Work on site and coordinate Work as directed by the Contractor.
6. Trucker's equipment, including trucking, must be checked for leaks as to avoid any spills on site. Environmental concerns are high and Trucker shall comply with all state and federal environmental regulations including but not limited to having spill kits for dealing with spills as a result of Trucker's operations.
7. Truck drivers to have reflective vests, shirts with sleeves, hard hat, safety glasses, gloves, leather work boots and pants while on site.
8. Trucks will be in safe working condition, with backup alarms and functioning lights.
9. All required permits and licenses required for completing the scope of Work.
10. Night and weekend work is included at no additional cost.
11. Trucker to provide hauling tickets daily for Contractor to verify and sign. Additionally, Trucker will utilize Five Cubits software for tracking, provided by Contractor.
12. Trucker to clean truck of loose materials prior exiting Project site.
13. Trucker to provide copies of any lease agreement for Contractor to review and approve prior to using any outside leased trucks on the Project.

3.0 Exclusions:

1. Traffic Control.

4.0 Clarifications:



Kiewit

CP 125

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

January 18, 2022

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

LET-KIEWIT-00157.00

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

Subject: Solids Area Electrical Duct Bank and Roadway Elevations

Dear Mr. Harris,

As you are aware, the electrical duct bank shown on drawing E-11 from PMH-6 and CHH-16 to the Digester Building electrical room was not installed in accordance with the plans and specifications. This resulted in inadequate coverage over the top of the duct bank.

Kiewit has reworked the grades for the roadway and areas adjacent to the roadway to establish a suitable alternative that will give adequate coverage over the top of the duct bank as well as allowing for proper drainage throughout this area. The drawings for the area showing the revised contours, cut/fill, and duct bank coverage are attached.

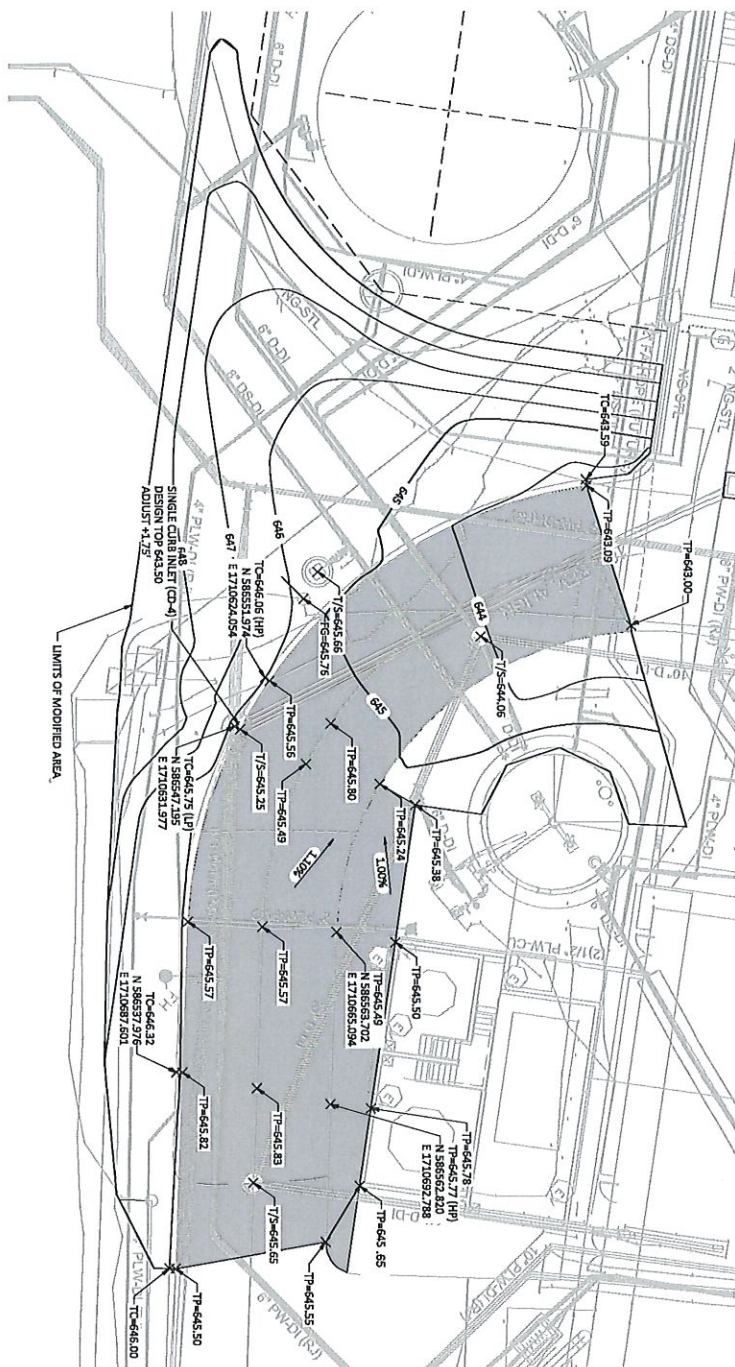
This being submitted as a no cost change proposal to the Contract.

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



N

10 0 -10

SCALE IN FEET

HORIZONTAL SCALE: 1" = 10'-0"

- PRELIMINARY -
NOT FOR CONSTRUCTION

ISSUED FOR REVIEW			
A	XXX	XXX	CPM#
NY	DESIGN BY	CHECKED BY	DATE

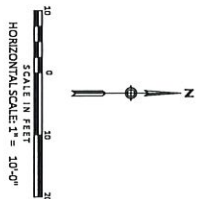
OWNER

FRANKLIN WATER TREATMENT PLANT



REVISED ACCESS ROAD

FUNCTION/LOCATION DESIGNATION UAD ENG ENG MGR PROJ MGR	SKC-001.DWG SKC
--	--------------------



- PRELIMINARY -
NOT FOR CONSTRUCTION

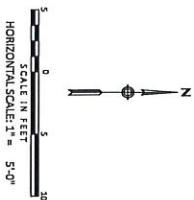
REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	12/08/21	ISSUED FOR REVIEW	SKC

OWNER
FRANKLIN WATER TREATMENT PLANT



CUT FILL MAP

DESIGNED BY SKC	DRAWN BY SKC	CHECKED BY SKC	DATE 12/08/21
DRAWING NUMBER SKC-001.DWG			



- PRELIMINARY -
NOT FOR CONSTRUCTION

OWNER
FRANKLIN WATER TREATMENT PLANT



DB-CHECK

INSTRUMENTATION
SCALE
LOADING
END MARK
PROJECT
DRAWING NUMBER
SKC-001.DWG



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

January 18, 2022

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

Subject: Franklin WRF Expansion Project
Change Proposal (CP) No. 125

Dear Mr. Davis;

We have reviewed your January 18, 2022 letter regarding adjustments to road elevations in conflict with the previously constructed duct bank. The City will agree to this proposal in exchange for concessions as detailed on the attached. Note that asphalt paving as proposed in your letter will be acceptable in lieu of the concrete paving noted.

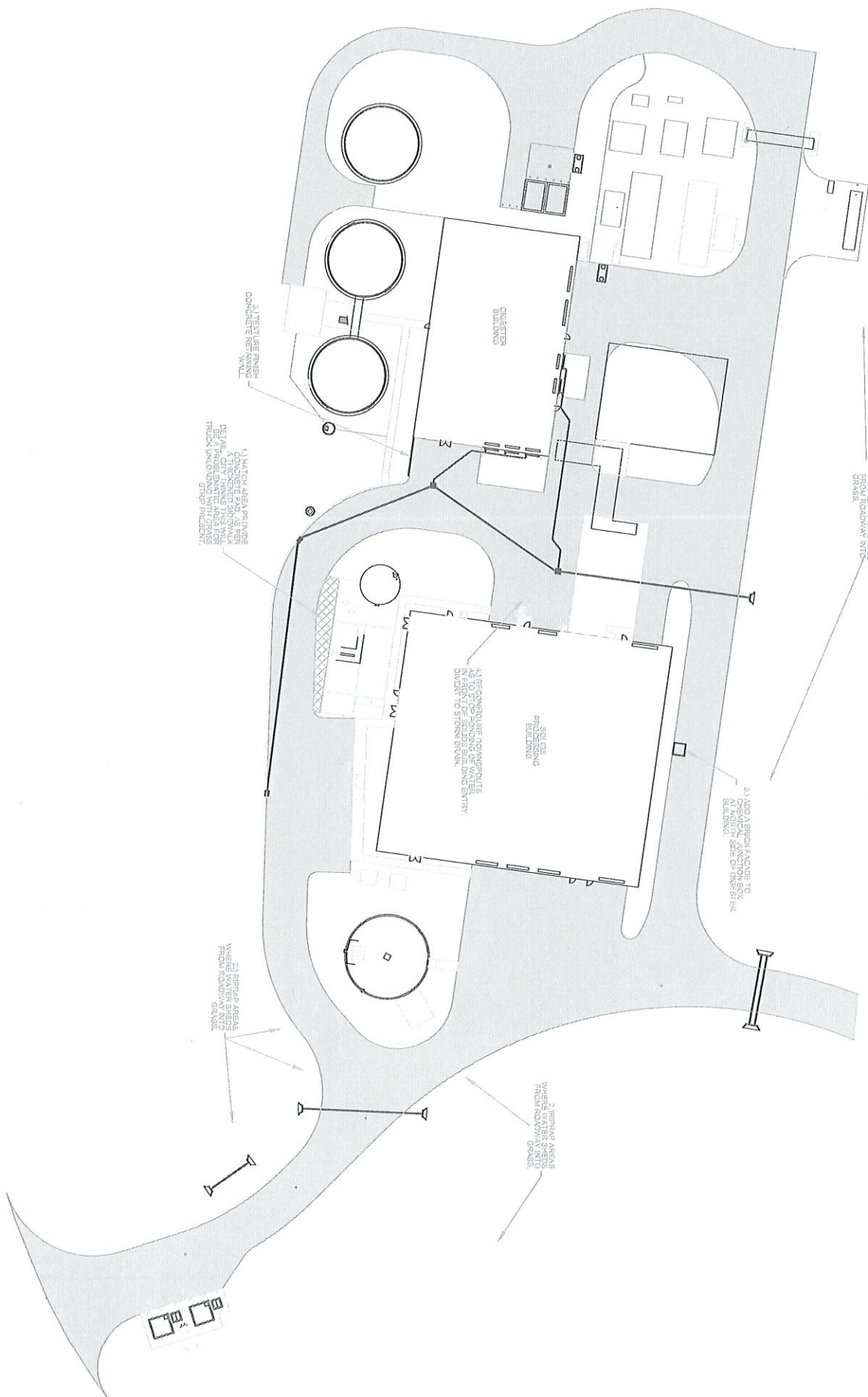
Feel free to contact me with any questions.

Sincerely,

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

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

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





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

December 17, 2021

To: Mr. Dan Harris

LET-KIEWIT-00152.00

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: Time Impact Analysis – UV Rock Excavation

Dear Mr. Harris,

Kiewit Infrastructure South Co. (Kiewit) began excavation at the new UV Building on July 29, 2021 and initially encountered rock on August 4, 2021. Although the contract clearly discusses the means and methods where Kiewit may request payment for rock excavation (Spec 01025-3.02.GG), the contract is silent regarding the possibility of requesting additional time. In this case, rock excavation was performed within the critical path, which caused a delay in August 2021. Therefore, Kiewit is submitting this request for an extension of time as it relates to rock excavation on the critical path for the new UV Building facility for consideration.

TIA Analysis

As stated above, Kiewit encountered rock during UV excavation on August 4, 2021 and began rock grinding the following day. Kiewit completed rock grinding and the remaining excavation for both the influent underslab piping and slabs on grade at the new UV structure and influent/effluent boxes on August 25, 2021. Rock excavation continued outside these structures for the surrounding pipe trenching after the 25th but did not further affect critical path activities. Below is a matrix detailing the dated instances in which Kiewit excavated rock within the critical path:

Date	Activity Description	Area / Location	Rock / Boulder Quantity (Tons)
8/5/2021	Structural Rock Excavation	UV Slab on Grade	127.5
8/23/2021	Structural Rock Excavation	UV Influent Box	210
8/24/2021	Structural Rock Excavation	UV Effluent Box	90
8/25/2021	Structural Rock Excavation	UV Effluent Box	36

The inclusion of this unit price rock excavation directly extended the original duration of the baseline activity UVB1850 EXC UV STRUCTURE, which originally accounted for both the main structure and influent/effluent boxes. However, after a separate issue regarding differing site conditions for pipe was discovered, TIA activities were added to the update schedule to separate common and rock excavations for the three structures. For the purpose of this delay analysis, the original activity was used to eliminate any effects from the concurrent delay.

The July 2021 update schedule was used to create the delay fragmet. Instead of adding a new activity, the remaining duration of activity UVB1850 EXC UV STRUCTURE was extended by 4 working days, from 8 days to 12 days, which achieves the same result. The attached fragnets show the status of the July update before and after the change, which clearly displays a 7 calendar day impact to the substantial and final completion milestones.



In conclusion, this work impacted critical path by 7 calendar days and is cause for a compensable time extension in accordance with General Conditions Article 12.03. If you have any questions, please do not hesitate to contact me at (678) 794-2121.

July 2021 Update before change. Total float = (86) days

Activity ID	Activity Name	OD	RD	Start	Finish	Total Float	% Complete
Franklin WRF Modifications & Improvements - U							
MILESTONES							
ML1080	SUBSTANTIAL COMPLETION (NTP + 1182 CD) 2/20/22	0	0	17-May-22*	-86	0%	U
ML1050	FINAL COMPLETION (IOA + 1,277 CD) 5/26/22	0	0	20-Aug-22*	-85	0%	U
PROCESS AREA							
NEW UV BLDG							
UVB1850	EXC UV STRUCTURE	10	8	29-Jul-21 A	11-Aug-21	-60	30% U
UVB3030	INSTALL EFFL PIPING UNDER RET SLAB/WALLS	12	12	12-Aug-21	27-Aug-21	-60	0% U
UVB1860	FRP SLAB	20	20	30-Aug-21	27-Sep-21	-60	0% U
UVB9100	FRP WALLS A	15	15	28-Sep-21	18-Oct-21	-60	0% U
UVB9050	FRP WALLS B	15	15	08-Oct-21	26-Oct-21	-60	0% U
UVB1870	HYDROTEST UV CHANNELS	5	5	27-Oct-21	02-Nov-21	-60	0% U
UVB1910	INSTALL UV EQUIPMENT/GATES	17	17	03-Nov-21	29-Nov-21	-60	0% U
UVB1900	INSTALL CANOPY/MISC METALS	4	4	22-Nov-21	29-Nov-21	-60	0% U
UVB9030	UV-UV Exposed Conduit	26	26	30-Nov-21	07-Jan-22	-60	0% U
UVB9050	UV-UV Pull/Term Wire	30	30	10-Jan-22	18-Feb-22	-60	0% U
UVB9060	UV-UV Lighting	8	8	09-Feb-22	18-Feb-22	-60	0% U
UVB1940	EQUIP PERFORMANCE TEST UV (ORT)	10	10	21-Feb-22	02-Mar-22	-60	0% U
UVB9070	UV-TEST ELECTRICAL NEW UV BLDG	5	5	21-Feb-22	25-Feb-22	-60	0% U
UVB3040	REMOVE 54" PPE INSIDE BOX	3	3	28-Feb-22	02-Mar-22	-60	0% U
UVB1941	FUNCTIONAL TESTING OF UV (TROJAN) (FDT)	15	15	03-Mar-22	17-Mar-22	-60	0% U
UVB1961	COMMISSIONING OF NEW UV BUILDING	30	30	18-Mar-22	18-Apr-22	-60	0% U
UVB1942	OWNER ACCEPTANCE (TROJAN)	1	1	17-Apr-22	17-Apr-22	-60	0% U
UVB10080	SUBSTANTIAL COMPLETION UV BUILDING	0	0	17-Apr-22	-60	0% U	
EXISTING UV MODIFICATIONS							
EUV4690	INSTALL 2 EACH TEMPORARY BULKHEADS AND CLOSE	6	6	18-Apr-22	25-Apr-22	-62	0% U
EUV5830	DEMO EXISTING WALLS AND CONSTRUCT NEW WALLS	15	15	26-Apr-22	16-May-22	-62	0% U
EUV5840	REMOVE TEMPORARY BULKHEADS AT LOW FLOW	1	1	17-May-22	17-May-22	-62	0% U

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July 2021 Update after change. Total float = (93) days

Activity ID	Activity Name	OD	RD	Start	Finish	Total Float	% Complete	TV	2022	2023																						
									J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
									27-Aug-22, Franklin WRF Modifications & Improvements - U																							
MILESTONES									27-Aug-22, MILESTONES																							
ML1080	SUBSTANTIAL COMPLETION (NTP + 1182 CD) 2/20/22	0	0		24-May-22*	-93	0%	U	SUBSTANTIAL COMPLETION (NTP + 1182 CD) 2/20/22																							
ML1050	FINAL COMPLETION (NOA + 1,277 CD) 5/26/22	0	0		27-Aug-22*	-92	0%	U	FINAL COMPLETION (NOA + 1,277 CD) 5/26/22																							
PROCESS AREA									24-May-22, PROCESS AREA																							
NEW UV BLDG									23-Apr-22, NEW UV BLDG																							
UVB1850	EXC UV STRUCTURE	10	12	29-Jul-21 A	17-Aug-21	-64	30%	U	EXC UV STRUCTURE																							
UVB3030	INSTALL EFFL PIPING UNDER RET SLAB/WALLS	12	12	18-Aug-21	02-Sep-21	-64	0%	U	INSTALL EFFL PIPING UNDER RET SLAB/WALLS																							
UVB1860	FRP SLAB	20	20	03-Sep-21	01-Oct-21	-64	0%	U	FRP SLAB																							
UVB9100	FRP WALLS A	15	15	04-Oct-21	22-Oct-21	-64	0%	U	FRP WALLS A																							
UVB9050	FRP WALLS B	15	15	12-Oct-21	01-Nov-21	-64	0%	U	FRP WALLS B																							
UVB1870	HYDROTEST UV CHANNELS	5	5	02-Nov-21	08-Nov-21	-64	0%	U	HYDROTEST UV CHANNELS																							
UVB1910	INSTALL UV EQUIPMENT/GATES	17	17	09-Nov-21	03-Dec-21	-64	0%	U	INSTALL UV EQUIPMENT/GATES																							
UVB1900	INSTALL CANOPY/MISC METALS	4	4	30-Nov-21	03-Dec-21	-64	0%	U	INSTALL CANOPY/MISC METALS																							
UVB9030	UV-UV Exposed Conduit	26	26	06-Dec-21	13-Jan-22	-64	0%	U	UV-UV Exposed Conduit																							
UVB9050	UV-UV Pull/Term Wire	30	30	14-Jan-22	24-Feb-22	-64	0%	U	UV-UV Pull/Term Wire																							
UVB9060	UV-UV Lighting	8	8	15-Feb-22	24-Feb-22	-64	0%	U	UV-UV Lighting																							
UVB1940	EQUIP PERFORMANCE TEST UV (ORT)	10	10	25-Feb-22	06-Mar-22	-92	0%	U	EQUIP PERFORMANCE TEST UV (ORT)																							
UVB9070	UV-TEST ELECTRICAL NEW UV BLDG	5	5	25-Feb-22	03-Mar-22	-64	0%	U	UV-TEST ELECTRICAL NEW UV BLDG																							
UVB3040	REMOVE 54" PPE INSIDE BOX	3	3	04-Mar-22	08-Mar-22	-64	0%	U	REMOVE 54" PPE INSIDE BOX																							
UVB1941	FUNCTIONAL TESTING OF UV (TROJAN) (FDT)	15	15	09-Mar-22	23-Mar-22	-94	0%	U	FUNCTIONAL TESTING OF UV (TROJAN) (FDT)																							
UVB1961	COMMISSIONING OF NEW UV BUILDING	30	30	24-Mar-22	22-Apr-22	-94	0%	U	COMMISSIONING OF NEW UV BUILDING																							
UVB1942	OWNER ACCEPTANCE (TROJAN)	1	1	23-Apr-22	23-Apr-22	-94	0%	U	OWNER ACCEPTANCE (TROJAN)																							
UVB10080	SUBSTANTIAL COMPLETION UV BUILDING	0	0		23-Apr-22	-94	0%	U	SUBSTANTIAL COMPLETION UV BUILDING																							
EXISTING UV MODIFICATIONS									24-May-22, EXISTING UV MODIFICATIONS																							
EUV4690	INSTALL 2 EACH TEMPORARY BULKHEADS AND CLOSE	6	6	25-Apr-22	02-May-22	-67	0%	U	INSTALL 2 EACH TEMPORARY BULKHEADS AND CLOSE																							
EUV5830	DEMO EXISTING WALLS AND CONSTRUCT NEW WALLS	15	15	03-May-22	23-May-22	-67	0%	U	DEMO EXISTING WALLS AND CONSTRUCT NEW WALLS																							
EUV5840	REMOVE TEMPORARY BULKHEADS AT LOW FLOW	1	1	24-May-22	24-May-22	-67	0%	U	REMOVE TEMPORARY BULKHEADS AT LOW FLOW																							



Kiewit

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

Sincerely,

Steve Davis
Project Manager

cc: Michelle Hatcher

Ref: LET-KIEWIT-00121.00



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

January 21, 2022

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

Subject: Franklin WRF Expansion Project
Time Impact Analysis – UV Rock Excavation

Dear Mr. Davis;

We have reviewed your December 17, 2021 time impact analysis (TIA) regarding rock excavation at the new UV Facility. We agree that this unforeseen condition impacted the critical path by seven calendar days. However, we do not agree that this delay is compensable per General Conditions Article 12.03.

A non-compensable 7-day extension of contract time will be included in a future change order. Please 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
Senior Project Manager
CDM Smith

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





Kiewit

CP 122

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

January 6, 2022

To: Mr. Dan Harris

CP-KIEWIT-00200.00

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

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

Subject: Bid Item No. 33 – Rock and Boulder Excavation

Dear Mr. Harris,

Bid Item No. 33 - Rock and Boulder Excavation has an estimated quantity of 3,200 tons at \$40.00 per ton. Kiewit has excavated 3,986.46 tons of rock through December 2021. The bid item quantity was exceeded in September 2021 and Kiewit billed 100% of the bid item in Application for Payment No. 30 (period ending September 2021).

The Bid Item quantity currently needs to be increased by 786.46 tons, which equates to an amount of \$31,458.40. Kiewit also anticipates additional rock excavation to be required at the Effluent Flow Meter Vault and possibly the BNR Effluent pipeline and the Clarifier Influent pipelines, but the quantity of rock and boulder excavation for these areas is unknown at this time.

The rock and boulder excavation tracking log is attached for backup.

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

Bid Item 33 - Rock and Boulder Excavation Tracking Log
Franklin WRF Modifications and Expansion Project

BID ITEM 33 - ROCK AND BOULDER EXCAVATION							
Date	Location	Elevation	Length	Width	Depth	Volume	Tons
5/10/2019	Solids Basement	626	Varies	Varies	Varies	10.00	20.00
5/21/2019	Solids Basement	624	19	12	3	39.00	78.00
5/22/2019	EQ Tank Sump	626	30	30	8	133.00	266.00
5/23/2019	EQ Tank Sump	626	30	30	8	133.00	266.00
5/28/2019	EQ Tank Subgrade	628	Varies	Varies	Varies	162.00	324.00
5/31/2019	P1 Line	N/A	8	8	1.5	3.56	7.11
5/31/2019	P1 Line	N/A	60	4	1.5	13.33	26.67
6/1/2019	P1 Line	N/A	Varies	Varies	Varies	1.80	3.60
6/3/2019	P1 Line	N/A	Varies	Varies	Varies	1.70	3.40
6/3/2019	EQ Tank	623	Varies	Varies	Varies	243.00	486.00
6/4/2019	P1 Line	N/A	Varies	Varies	Varies	2.20	4.40
6/4/2019	EQ Tank 20" Line	621	Varies	Varies	Varies	18.00	36.00
6/5/2019	EQ Tank 20" Line	621	Varies	Varies	Varies	81.00	162.00
6/11/2019	P1 Line	N/A	Varies	Varies	Varies	4.50	9.00
6/12/2019	P1 Line	N/A	Varies	Varies	Varies	6.00	12.00
6/19/2019	P1 Line	N/A	Varies	Varies	Varies	2.40	4.80
6/20/2019	P1 Line	N/A	Varies	Varies	Varies	2.50	5.00
6/21/2019	P1 Line	N/A	Varies	Varies	Varies	2.50	5.00
6/22/2019	P1 Line	N/A	Varies	Varies	Varies	2.00	4.00
6/26/2019	EQ Tank Subgrade	628	Varies	Varies	Varies	9.00	18.00
7/1/2019	P1 Line	N/A	Varies	Varies	Varies	2.40	4.80
7/2/2019	P1 Line	N/A	Varies	Varies	Varies	2.40	4.80
7/8/2019	P1 Line	N/A	Varies	Varies	Varies	3.50	7.00
7/9/2019	P1 Line	N/A	20	4	2	5.90	11.80
7/10/2019	P1 Line	N/A	10	4	1	1.50	3.00
7/11/2019	P1 Line	N/A	10	4	0.5	1.00	2.00
7/12/2019	P1 Line	N/A	12	4	2	3.50	7.00
7/15/2019	P1 Line	N/A	10	5	3	5.60	11.20
7/16/2019	P1 Line	N/A	10	6	2	4.40	8.80

Bid Item 33 - Rock and Boulder Excavation Tracking Log
Franklin WRF Modifications and Expansion Project

BID ITEM 33 - ROCK AND BOULDER EXCAVATION							
Date	Location	Elevation	Length	Width	Depth	Volume	Tons
7/24/2019	P1 line	N/A	20	4	3	9.00	18.00
7/30/2019	P1 line	N/A	18	5	1	3.33	6.66
7/31/2019	P1 line	N/A	Varies	Varies	Varies	1.50	3.00
8/1/2019	P1 line	N/A	Varies	Varies	Varies	1.50	3.00
8/5/2019	P1 line	N/A	6	4	4	3.50	7.00
8/7/2019	P1 line	N/A	Varies	Varies	Varies	7.00	14.00
8/8/2019	P1 line	N/A	Varies	Varies	Varies	1.00	2.00
8/14/2019	P1 line	N/A	4	4	20	12.00	24.00
8/15/2019	P1 line	N/A	4	4	20	12.00	24.00
8/16/2019	P1 line	N/A	4	1	18	2.70	5.40
8/19/2019	P1 line	N/A	Varies	Varies	Varies	4.50	9.00
9/5/2019	MH F2	N/A	10	10	1	3.75	7.00
12/5/2019	P2 line @ MH B2	N/A	20	4	1	3.00	6.00
2/4/2020	20" EQ line		12	12	4	21.33	42.67
4/29/2020	Scum Tank #1 Exc	629.5	20	16	2	23.70	47.41
4/30/2020	Scum Tank #2 Exc	629.5	20	16	2	23.70	47.41
5/19/2020	Scum Tank Piping to F-2		18	5	2.5	8.33	16.67
5/20/2020	Scum Tank Piping to F-2		15	4	2.5	5.56	11.11
8/5/2020	54" @ BNR Dist Box		9	9	1.5	4.50	9.00
8/14/2020	BNR Distribution Box	N/A	Varies	Varies	Varies	3.00	6.00
9/1/2020	20" Vaults	N/A	20	16	5	59.26	118.52
9/3/2020	42" @ BNR Dist. Box	N/A	20	20	2	29.63	59.26
9/7/2020	42" @ BNR Dist. Box	N/A	20	20	5	74.07	148.15
9/14/2020	42" @ BNR Dist. Box	N/A	20	20	5	74.07	148.15
8/5/2021	UV Foundation	623.5	50	17	2	62.96	127.50
8/23/2021	UV Foundation	623.5	50	20	2	74.07	150.00
8/23/2021	UV Effluent Channel	623.5	200	1	4	29.63	60.00
8/24/2021	UV Ramp Slope (60")	623.5	60	10	2	44.44	90.00

Bid Item 33 - Rock and Boulder Excavation Tracking Log
Franklin WRF Modifications and Expansion Project

BID ITEM 33 - ROCK AND BOULDER EXCAVATION							
Date	Location	Elevation	Length	Width	Depth	Volume	Tons
8/25/2021	UV Eff Box	623.5	15	16	2	17.78	36.00
8/25/2021	Clarifiers 5 and 7	629.55	13.5	6	1.8	5.40	10.94
8/26/2021	Clarifiers 5 and 7	629.55	13.5	6	1.8	5.40	10.94
8/27/2021	Clarifiers 5 and 7	629.55	13.5	12	1.8	10.80	21.87
8/28/2021	Clarifiers 5 and 7	629.55	13.5	5	1.8	4.50	9.11
8/30/2021	Clarifiers 5 and 7	629.55	13.5	4	1.8	3.60	7.29
9/1/2021	UV 60"	623.5	33	7.083	11.34	98.18	198.80
9/1/2021	Clarifiers 5 and 7	629.55	13.5	3	1.8	2.70	5.47
9/2/2021	UV 60"	623.5	33	7.083	11.34	98.18	198.80
9/10/2021	UV 8" US (Back)	623.5	75	2.67	1.6	11.87	24.03
9/11/2021	UV 8" Header	623.5	65	2.667	3.7	23.75	48.10
9/15/2021	UV Manhole (Structural)	623.5	6	6	14	18.67	37.80
9/15/2021	UV 8" to Manhole	623.5	30	2.667	9.87	29.24	59.22
9/16/2021	UV 8" Dive	623.5	5	2.667	9.87	4.87	9.87
9/17/2021	UV 8" US	623.5	65	3	1	7.22	14.63
11/8/2021	Clarifier 5 Pipe West Side	629.55	10	6	0.5	1.11	2.25
11/9/2021	Clarifier 5 Pipe West Side	629.55	20	15	0.5	5.56	11.25
11/10/2021	Clarifier 5 Pipe West Side	629.55	11.5	7	1	2.98	6.04
11/16/2021	Clarifier 5 Pipe West Side	629.55	12	8	0.5	1.78	3.60
11/30/2021	CDB Modifications	638.2	16	23	0.5	6.81	13.80
12/1/2021	CDB Modifications	638.2	16	23	1	13.63	27.60
12/1/2021	CDB 42" Pipe	630.38	10	12	5	22.22	45.00
12/2/2021	CDB 42" Pipe	630.38	16.5	8	1.5	7.33	14.85
12/9/2021	CDB 42" Pipe	630.38	20	6	3	13.33	27.00
12/21/2021	Denite Tie-in	623	33	15	3.5	64.17	129.94
Totals						1984.83	3986.46
						786.46	Total TN Unpaid

Partial Payment



Kiewit

CP 123

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

January 13, 2022

To: Mr. Dan Harris

CP-KIEWIT-00194.00

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

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

Subject: RFI 518 – LSH-1020 / LSH-7010

Dear Mr. Harris,

Attached you will find Kiewit's cost proposal for **RFI 518 – LSH-1020 / LSH-7010** in the amount of **Three Thousand Sixty-Eight Dollars (\$3,068.00)**.

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

[illegible]



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

January 11th, 2022

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

Attn: Thaddeus Selby

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

Reference: Capacitance Probes for Drain Level Switches

Dear Thad:

We are pleased to provide a proposal for capacitance level probes for LSH-1020 and LSH-7010.

Qty. (2) Siemens CLS200 Single Point Capacitance Switch

The price, per the attached Bid Summary Sheet, is \$2,9,21.92.

If you have any questions, please let us know.

Sincerely,

Jonathon Johnson
CONTROL INSTRUMENTS, INC./C2i

cc: Mark Healey / Wes Wood / Sue Adams – C2i

BID SUMMARY SHEET

PROJECT: Franklin REFERENCE: Siemens Capacitance Probes JOB DURATION: _____
 CONSULTANT: CDM Smith Bid Date: 1/11/2022 PENALTY: _____
 ESTIMATOR: JEJ

		PRICE
FIELD EQUIPMENT.....	\$	1,441.80
.....	\$	0.00
.....	\$	0.00
.....	\$	0.00
.....	\$	0.00
.....	\$	0.00
.....	\$	0.00
MATERIAL TOTALS:	\$	1,441.80

	PRICE			PRICE	SIGN-OFF
ADMINISTRATION	\$1,150.00	/Day x 0.13	Days = \$	149.50	
PURCHASING	\$1,150.00	/Day x 0.13	Days = \$	149.50	
ENGINEERING:	\$1,200.00	/Day x 0.50	Days = \$	600.00	
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 0.00	Days = \$	0.00	
PROGRAMMING (OIT):	\$1,200.00	/Day x 0.00	Days = \$	0.00	
SERVICE ESTIMATE:	\$1,200.00	/Day x 0.00	Days = \$	0.00	
SERVICE ESTIMATE:	\$1,043.00	/Day x 0.00	Days = \$	0.00	
FREIGHT/SHIPPING:			\$	200.00	
DOCUMENTATION MATERIALS:			\$	0.00	
TRAVEL COST			\$	0.00	
LABOR TOTALS:			\$	1,099.00	

	PRICE
MATERIAL AND LABOR TOTALS:	\$ 2,540.80
0.00%	\$ 0.00
Bond 1%	0
subtotal	2,540.80
	0.00
15% Markup	\$ 2,921.92
	\$
	\$
	\$
	\$

SELECTED JOB PRICE: \$ 2,921.92

Allowance	Yes/No:	<u>NO</u>		
Bonds	Yes/No:	<u>NO</u>	0	0
Taxes	Yes/No:	<u>NO</u>	0%	\$ -

TOTAL PRICE: \$ 2,921.92



Kiewit

CP 109

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

September 30, 2021

To: Mr. Dan Harris

CP-KIEWIT-00185.00

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 – BNR 2 Surface Aerator 2C Gearbox Repair

Dear Mr. Harris,

Attached you will find Kiewit's change proposal for **BNR 2 Surface Aerator 2C Gearbox Repair** in accordance with Sumitomo Drive Technologies' quote dated September 14, 2021 the amount of **Fifty-Six Thousand Two Hundred Sixteen Dollars (\$56,216.00)** for your review and consideration.

Sumitomo's Detailed inspection report is also attached as backup documentation for the quote.

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

[illegible]

Quoted By:

Name: William Goebel

Phone:

Company: Sumitomo Machinery Corporation of America

Representative: Ron Rooks

Phone: (678) 662-7878

Company: Sumitomo Machinery Corporation of America

Customer Information:

Account: 867179

KIEWIT INFRASTRUCTURE SOUTH CO

4800 N POINT PKWY, SUITE 100
ALPHARETTA, GA 30022

Phone: 855-527-8255

Fax:

No.	Qty	Product	Description	Net Price
1	1	Paramax	Repairs: Wx Repair	
			MODEL NUMBER: PX 8090P3 Y RLV 63:1	
			Quote is for repair of referenced unit	
			Scope of Work:	
			Replace low speed gear and pinion (36.01, 36.02)	
			Replace high speed gear and pinion (36.05, 36.06)	
			Replace high speed cover on non-input side	
			Replace thermal coupling set for 20 degrees C	
			Replace all Bearings	
			Set clearances to OEM specifications	
			Replace all shims and collars	
			Replace spacers as needed	
			Replace all Seals and Gaskets	
			Replace sight gauge	
			Upgrade to desiccant breather	
			Replace input coupling	
			Return low speed coupling to customer	
			Run no load run test	
			Paint PSX700 Sumitomo Blue	
			Prep for shipment	
			NET EACH:	\$37,237.32
			LEAD TIME: TBD	
				\$37,237.32

Inventory, factory loading and design backlog are all subject to change. Lead time and/or drawing time for critical items should be verified at the time of order entry.

All Purchase Orders accepted subject to SMA standard Conditions of Sale 01.001.40.014 which can be viewed on us.sumitomodrive.com/en/terms-and-conditions. All deliveries are subject to prior sale and are shown in weeks, unless otherwise noted. Quotation is valid for 30 days and subject to SMA's terms and conditions of sale.

Product Support Quotation

Quote Num: 20210810403368Rev0

RVE11849

Issue Date: Sep 14, 2021

Quote Valid For: 30 Days from Issue Date

Please send order to: sma.Service@shi-g.com

Quote Total: \$37,237.32

All prices shown in USD.

Inventory, factory loading and design backlog are all subject to change. Lead time and/or drawing time for critical items should be verified at the time of order entry.

All Purchase Orders accepted subject to SMA standard Conditions of Sale 01.001.40.014 which can be viewed on us.sumitomodrive.com/en/terms-and-conditions. All deliveries are subject to prior sale and are shown in weeks, unless otherwise noted. Quotation is valid for 30 days and subject to SMA's terms and conditions of sale.

Detailed Inspection Report		Sumitomo Drive Technologies  Sumitomo Machinery Corporation of America Authorized Repair Center	
Product Support Group Document:	RVE11849		
Author / Responsibility:	Will Zechman Engineer		
Review & Approval:	Scott Arnett Manager	9/10/2021	Page 1 of 5

Date:	9/10/2021	Return #:	RVE11849	Sales Order #:	
Serial #:	F729953	Model #:	PX8090P3Y-RLV-63	Product ID:	

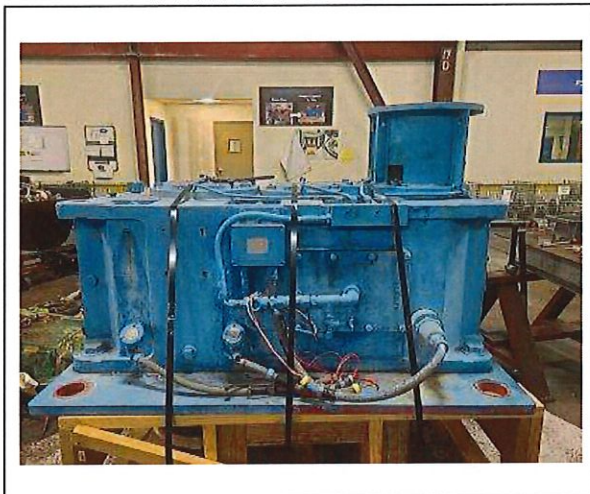
Customer: KIEWIT INFRASTRUCTURE SOUTH CO ALPHARETTA, GA
Unit Location: VE FLR

Reason for Return:

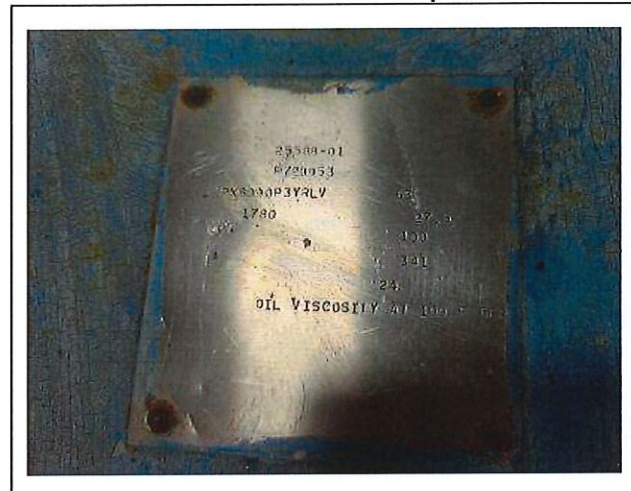
Repair, evaluation, and quotation.

Receiving condition of the unit:

Picture #1: Overall Unit



Picture #2: Unit Nameplate



Notes:

Unit arrived with couplings on both the input and output shafts.

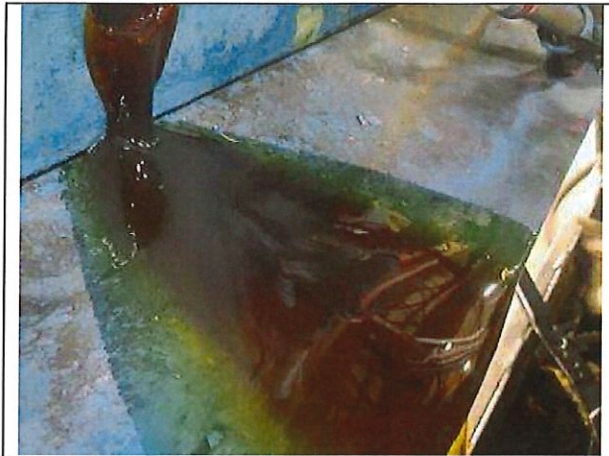
Unit Test:

No-load run test: unable to be conducted. Unit arrived locked up and unable to turn.

Detailed Inspection Report			Sumitomo Drive Technologies  Sumitomo Machinery Corporation of America Authorized Repair Center	
Product Support Group	RVE11849			
Document:				
Author / Responsibility:	Will Zechman	Engineer		
Review & Approval:	Scott Arnett	Manager	9/10/2021	Page 2 of 5

Inspection Photographs:

Picture #3: Lubrication is contaminated with water



Picture #4: High speed cover on non-input side is damaged



Picture #5: Damage to edges on high speed cover prevent proper sealing



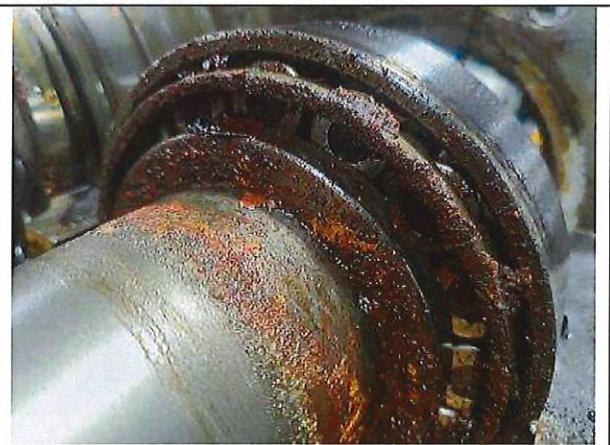
Picture #6: Input gear coupling is corroded



Picture #7: High speed shaft is grooved and corroded



Picture #8: High speed bearings are corroded and will not turn



Detailed Inspection Report			Sumitomo Drive Technologies  Sumitomo Machinery Corporation of America Authorized Repair Center	
Product Support Group	RVE11849			
Document:				
Author / Responsibility:	Will Zechman	Engineer		
Review & Approval:	Scott Arnett	Manager	9/10/2021	Page 3 of 5

Picture #9: High speed pinion (36.06) has pitting



Picture #10: High speed gear (36.05) has deep corrosion on the gear teeth



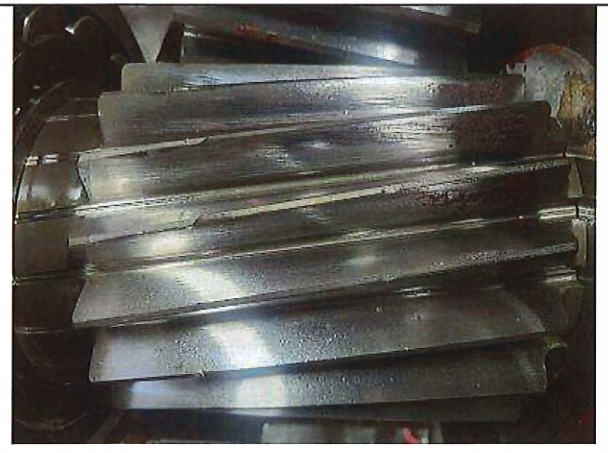
Picture #11: Intermediate pinion (36.04) has surface rust



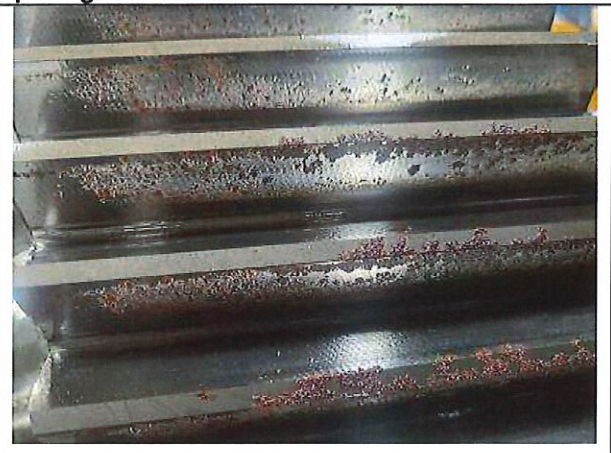
Picture #12: Intermediate gear (36.03) is in good condition



Picture #13: Low speed pinion (36.02) is corroded



Picture #14: Low speed gear (36.01) has pitting and corrosion



Detailed Inspection Report			 Sumitomo Drive Technologies  Sumitomo Machinery Corporation of America Authorized Repair Center	
Product Support Group Document:	RVE11849			
Author / Responsibility:	Will Zechman	Engineer		
Review & Approval:	Scott Arnett	Manager	9/10/2021	Page 4 of 5

Inspection Notes:

- Unit arrived unable to be turned
- High speed gear coupling has corrosion
- Low speed coupling splits into two pieces
- Low speed coupling appears to have been added by the customer
- High speed cover on non-input side is damaged
- External piping is in good condition
- Lubrication is contaminated with water
- Heaters are in good condition
- High speed pinion (36.06) has pitting and a groove at the seal journal
- High speed bearings are heavily corroded and will not spin
- High speed gear (36.05) has deep corrosion
- Intermediate pinion (36.04) has surface rust
- Intermediate gear (36.03) is in good condition
- Intermediate pinion and gear have distinct marking on them, likely at the oil level
- Low speed pinion (36.02) has corroded gear teeth
- Low speed gear (36.01) has pitting and corrosion
- Housing bearing bores are in good condition
- Drywell is in good condition
- Baseplate shows evidence the customer has cut on it, however it is in good condition
- Lantern in good condition
- Thermal coupling set at 20-degree Celsius did not pass resistance checks
- All spacers are in good condition

Conclusion:

This unit has suffered heavy interior damage. Water appears to have leaked in through the damage high speed cover on the non-input side. The lubrication was found contaminated with the water. The high speed bearings were also corroded to a point at which they would not turn.

The reduction components were found with significant amounts of corrosion. This damage was also likely due to the water which entered the gearbox. The high speed gear and pinion and low speed gear and pinion have deep corrosion and pitting on the gear teeth. These components will require replacement. Fortunately, the rust on the intermediate pinion is only surface deep. It and the intermediate gear can be cleaned up and reused.

The external tubing is in good condition. It can be flushed and reused. The heaters are also fit for reuse. The thermal couplings were tested to check resistance. The component set at 20 degrees Celsius did not pass and will need to be replaced. The component set for 5 degrees Celsius did pass and can be reused. The high speed gear coupling is corroded and it is recommended to replace. The low speed coupling appears to be an item added to the unit by the customer. This coupling should be returned to the customer loose. Due to the water in the unit, it is also recommended to upgrade to a desiccant breather

Repair of this unit requires replacing the high speed pinion (36.06), high speed gear (36.05), low speed pinion (36.02), low speed gear (36.01), high speed cover on non-input side, high speed coupling, thermal coupling set to 20 deg. C, upgrade to desiccant breather, an overhaul, clean and repaint.

Detailed Inspection Report			 Sumitomo Machinery Corporation of America Authorized Repair Center	
Product Support Group Document:	RVE11849			
Author / Responsibility:	Will Zechman	Engineer		
Review & Approval:	Scott Arnett	Manager	9/10/2021	Page 5 of 5

Recommendations:

	Description	Selection
Specific Repairs	- Replace low speed gear and pinion (36.01, 36.02) - Replace high speed gear and pinion (36.05, 36.06) - Replace high speed cover on non-input side - Replace thermal coupling set for 20 degrees C	X
Replace Motor	Replace motor and gasket	
Standard Overhaul	Replace all Bearings, Seals, Shims, Collars, and Gaskets	X
Standard Re-build	Replace all Bearings, Seals, Collars, Gaskets and all Reduction Components	
Standard Re-build Exceptions	<i>These parts are okay for re-use. Do not order new as part of Re-build.</i>	
Lubrication	- Replace sight gauge - Upgrade to desiccant breather	X
Additional Work	- Replace input coupling - Return low speed coupling to customer	X
Special Test Requirements		
Paint	Clean and repaint	X
Notes:		

Galileo.RiveraTobar

From: Steven.Davis1
Sent: Wednesday, September 29, 2021 1:06 PM
To: Galileo.RiveraTobar
Subject: FW: Sumitomo gearbox Freight



Steve Davis
Project Manager

Kiewit Water Facilities South
4800 North Point Parkway, Suite 100, Alpharetta, GA 30022
678-794-2121 cell
kiewit.com

From: Andy Launier <andy.launier@shi-g.com>
Sent: Wednesday, September 29, 2021 1:06 PM
To: Steven.Davis1 <Steven.Davis1@kiewit.com>
Subject: [EXTERNAL] Sumitomo gearbox Freight

Good afternoon Steve,

Freight using a flatbed truck for the gearbox we discussed yesterday would be \$3,989.00.

I will add it to the quote and send it over later today when I am back in the office.

Thanks,
Andy

Andy Launier – Signal Mountain, TN
Sumitomo Drive Technologies / District Manager – Tennessee
Email: andy.launier@shi-g.com
Mobile: 423-580-2104
CS: 1-800-762-9256 / sma.customerservice@shi-g.com
<http://www.sumishowcase.com/paramax>
<http://www.sumishowcase.com/cyclo>

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

Kiewit Infrastructure South Co
Hourly Rates (Confidential)
2021 Breakdown of Craft Wage Burden Rates

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

Galileo.RiveraTobar

From: Ty Mintern <ty@clarkcrane.com>
Sent: Wednesday, May 26, 2021 11:37 AM
To: Galileo.RiveraTobar
Cc: Clark Elliott; Mitchel Loveless
Subject: [EXTERNAL] Kiewit Quote - Franklin WRF Project
Attachments: Ty Mintern.vcf

Hi Galileo,

Very nice to meet you this morning.

Please see prices below based on a 105' radius lifting 5,000 lbs aerator gearbox from the BNR Basin #2.

\$400.00 - cwt in
\$270.00 - per hour regular rate with a 6 hour minimum
\$330.00 - per hour overtime rate
\$400.00 - cwt out

Regular rate 7:00 am - 3:30 pm Monday - Friday (except holidays).

If you have any questions, please don't hesitate to contact me.

Thank you for the opportunity Galileo, sure do appreciate it.

Kind regards,

Ty

Heavy Lift Consultant | Clark Crane, LLC
Crane Rental (Bare & Operated)

215 River Hills Dr, Nashville, TN 37210
M: 615-330-9214
E: ty@clarkcrane.com
W: <http://www.clarkcrane.com>





9925 S. Industrial Dr.
Bridgeview, IL 60455-2408

800- 878-7305

Rentals@RentLGH.com

www.RentLGH.com

RENTAL QUOTATION

Quote Number: 457886.1
Quote Date: 08/04/2021
Account Number: KIE3
Customer Name: KIEWIT BUSINESS SERVICES
Customer Contact: EMILY BONNER
Phone Number: 402-938-4300
Fax Number: N/A
LGH Contact: Don Johnson
LGH Sales Rep: Brent Fox

The following are the **RENTAL** prices for the equipment you requested for your upcoming job. When placing your order, please complete the acknowledgement section on **PAGE 2** of this quote and fax it to 708-430-3536.

Rental Items

Qty.	Equipment Description	Each Per Week	Total Per Week
1	5 Ton Steel Adjustable Gantry (9'4" - 12'10" Height) MAKE/MODEL: SPANCO A Series CAPACITY: 5 TON INSERT TYPE: SHORT INSERT LENGTH: 107.25" INSERT SIZE: 6" X 3" X 1/4" WORKING HEIGHT UNDER BEAM: 9'4"-12'10" WEIGHT: 786 POUNDS BEAM SIZE: UP TO 40' Notes:DO NOT Lift Gantry Fully Assembled Accessories 1.5t Wll Come-a-long - Cable (used With Steel Gantries) (Qty 2)	\$674.00	\$674.00
1	5T GANTRY STEEL BEAM - 10' MAKE/MODEL: SPANCO S10 CAPACITY: 5 TON LENGTH: 10 FEET WEIGHT: 254 POUNDS FLANGE SIZE: 4.625" BEAM SIZE: S10 Accessories Lindaptor Clamps (for Gantry Beams) - Type A - Model La075s - 3/4" Bolt Size - Clipped Washer - 0 (Qty 8)	\$44.00	\$44.00

Qty.	Equipment Description	Each Per Week	Total Per Week
1	6T WLL PUSH TROLLEY - FLANGE 4"-10" MAKE/MODEL: Riggers R6T CAPACITY: 6 TON WEIGHT: 75 POUNDS FLANGE SIZE: 4-10" Flange Size ? 4.6	\$100.00	\$100.00
1	5T WLL HAND CHAIN HOIST W/ 20' HOL (20 FT Pull Chain) MAKE/MODEL: COFFING LHH-5B CAPACITY: 5 TON WEIGHT: 112.5 POUNDS MIN. HEAD ROOM: 22.63 INCHES PARTS OF CHAIN: 3 Accessories • 7.1x21.2mm Load Chain (60 ft) • 5x25mm Pull Chain (40 ft)	\$180.00	\$180.00
Total Per Week			\$998.00

Total Per Day

\$199.60

General Notes: FOB NASHVILLE FREIGHT NOT INCLUDED

**PRICE IS BASED ON 1 - 3 WEEKS MINIMUM RENTAL
PRICE IS BASED ON USD (\$)**

**MONTHLY RATES ARE FOR 28 DAYS
FREIGHT OR DELIVERY AND PICKUP CHARGES ARE NOT INCLUDED IN THE ABOVE QUOTE UNLESS REQUESTED
TRANSFER RATES MAY APPLY BASED ON LOCATION AVAILABILITY**

From: Brian Sarmiento <bsarmiento@kimbrooil.com>

Sent: Monday, June 7, 2021 3:49 PM

To: Drew Selsor <Drew.Selsor@kiewit.com>

Cc: Ann Parady <apardy@kimbrooil.com>; Ryan Satterfield <rsatterfield@kimbrooil.com>; Brian Sarmiento <bsarmiento@kimbrooil.com>

Subject: [EXTERNAL] RE: Franklin WRF - Request for Quote Enduratex EP 320

Drew,

I have that in totes and will have to repack it to get you pails. Probably take a couple of days. But pricing I can give to you at \$10.76 per gallon. Let me know if you have any questions and I can get on the re-pack as soon as you give approval for the order.

Thank you,

Brian Sarmiento | Kimbro Oil Company | Ph: [615-320-7484](tel:615-320-7484) | Fax: [615-320-5916](tel:615-320-5916) | Cell: [615-484-1174](tel:615-484-1174) | bsarmiento@kimbrooil.com

Ovivo USA, LLC

4246 Riverboat Rd., Suite 300
Salt Lake City, Utah
84123-2583
USA

Telephone: 801.931.3000**Facsimile:** 801.931.3080**www.ovivowater.com****CHANGE ORDER #001**

Project Name: Franklin WRF

Project Purchase Order No.: 103925-MC-011

Ovivo Proposal No.: 2-29-0285Ab Rev1

Ovivo Job No.: CSW0001319

Description of Change	Delivery (days)	Price
(3) Sets Fasteners (including shipping) CSW1319-1F51 CSW1319-01 1 set of Fasteners	4 days	\$1,202.00 \$400.67
TOTAL PER THIS CHANGE ORDER	4 days	\$400.67
ORIGINAL PROJECT DELIVERY DATE & PRICE		\$122,766.00
ADJUSTED PROJECT TOTAL		\$123,968.00

This Change Order is for goods and/or services not originally included in the referenced Ovivo Proposal. Ovivo USA, LLC is not bound to the changes herein until this Change Order is fully executed. Except as specifically set forth herein all original terms and conditions, and all prior amendments and change orders, between the parties remain in full force and effect.

Accepted & Agreed:

Ovivo USA, LLCBy: Lisa PowersPrint: Lisa PowersDate: April 1, 2021**Kiewit**

By: _____

Print: _____

Date: _____



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

September 21, 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 #42

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 to re-term the wire on the BNR Motor. This pricing provides for new lugs to be added at the motor termination. Existing wire is to remain.

Material	\$	257.28
Labor		525.71
Overhead & Profit		117.45
Subtotal	\$	900.44
Bond		4.59
Total	\$	905.03

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. 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

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.



CCN#: P-0042, CCA-018
 Date: 9/20/2020
 Project Name: Franklin WRF Mods and Exp
 Project Number: 06198-00-18
 Page Number: 1

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

Work Description

This proposal is to re-term the wire on the BNR Motor. This pricing provides for new lugs to be added at the motor termination. Existing wire is to remain.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
As Builts	0.00	0.0000	HRS	0.000	0.000	0.150
Cleanup	0.00	0.0000	HRS	0.000	0.000	0.150
Tools	0.00	0.0000	HRS	0.000	0.000	0.180
Field Safety/JHA	0.00	0.0000	HRS	0.000	0.000	0.150
Supervision	0.00	0.0000	HRS	0.000	0.000	0.310
Project Controls	0.00	0.0000	HRS	0.000	0.000	0.310
WIRE TERMINATION	3.00	0.0000	EA	0.000	0.550	1.650
#2 - 600 INSULATED MECHANICAL LUG	3.00	85.7600	EA	257.280	1.500	4.500
Totals				257.28		7.40
Tax				0.00		
Materials with				257.28		

Summary

	Itemized Breakdown Total	257.28
Elect. Journeyman	(7.4000 hrs @ \$71.04 / hr)	525.70
		525.70
Overhead & Profit	(\$782.99 @ 15.00%)	117.45
		117.45
Bond	(\$900.44 @ 0.51%)	4.59
		4.59
		122.04
Total		\$905.03



Kiewit

CP 98

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

July 9, 2021

To: Mr. Dan Harris

CP-KIEWIT-00170.00

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 - Digester Building Masonry Opening in Fire Rated Wall

Dear Mr. Harris,

Attached you will find Kiewit's cost proposal for **Enclosing the Digester Building Masonry Opening in the Fire Rated Wall** in the amount of **Two Thousand Four Hundred Forty-Three Dollars (\$2,443.00)**.

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

PREPARED BY: Galileo Rivera-Tobar

000-CostProposal-FranklinWRF-CP 165



1959 McCurdy Road whitehouse TN 37188
 PH:615-334-1253 | ramiroreyes46@gmail.com | FAX: 615 - 334-1057
Miguelreyes18.mr@gmail.com

RG Masonry Change Order

Job: Franklin water treatment plant digester building
 Discription: Block infill at beam pocket

Date: 6/23/21 & 6/24/21

		Hourly pay	Work Hours		
1	FOREMAN	@	\$64.00	2	Sub \$128.00
1	Masons	@	\$54.00	15	Sub \$810.00
1	Labors	@	\$42.00	15	Sub \$630.00
	Operator	@	\$48.00		Sub \$0.00
	Cost per			Grand Total	\$1,568.00

Materials

16	Block	\$1.88	\$30.08
2	Mortar	\$14.00	\$28.00
1	<u>Sand</u>	\$74.00	\$74.00
0.5	<u>Grout</u>	\$188.00	\$94.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

Subtotal	\$226.08
Tax 9.25%	\$20.91
material delivery & saw	\$300
Grand Total	\$546.99

Labor and material	\$2,114.99
Overhead and Profit 10%	\$211.50
Total	\$2,326.49

KIEWIT WORK
SUBCONTRACTOR WORK

FRANKLIN WRF - DAILY TIME SLIP
FOR FORCE ACCOUNT WORK

DATE <u>06-23-2021</u>		CONTRACT:			
DAY		FRANKLIN WRF			
START TIME: <u>06:30</u> <u>AM/PM</u>					
END TIME <u>05:00</u> <u>AM/PM</u>		CONTRACTOR PERFORMING WORK:			
EXTRA WORK (DESCRIPTION) BEING PERFORMED		<u>RG Masonry</u>			
<u>Block fill at beam pocket</u>					
REASON FOR EXTRA WORK (DESCRIPTION) / CHANGE ORDER NUMBER					
LABOR*		HOURS			
NAME	LABOR CLASS	TRADE	STD OT		
<u>Rodrigo Valdivia</u>	<u>MASON</u>		<u>10</u>		
<u>Fidiverto Pulido</u>	<u>LABOR</u>		<u>10</u>		
MATERIAL					
DESCRIPTION	SUPPLIER	QUANTITY	UNIT		
<u>Block</u>		<u>16</u>			
<u>MORTAR</u>		<u>2</u>			
<u>SAND</u>		<u>1</u>			
<u>GROUT</u>		<u>0.5</u>			
EQUIPMENT**		HOURS			
DESCRIPTION	MANUFACTURER	MODEL	SIZE	TOTAL	OPERATING
<u>N/A</u>					
EQUIPMENT MOVES BY HAULER**					
CONTRACTOR	PIECES MOVED	HAULER	NOTES:		
<u>N/A</u>					
SUBCONTRACTOR SIGNATURE: <u>Rodrigo Valdivia</u>			TDOT VERIFICATION		
PRINT NAME: <u>Rodrigo Valdivia</u>			<u>CDM Smith</u>		
KIEWIT SIGNATURE: <u>Antonio Cruz P.</u>			VERIFIED FOR TIME AND MATERIAL ONLY.		
PRINT NAME: <u>Antonio Cruz</u>			THIS DOES NOT CONSTITUTE AN AUTHORIZATION,		
			APPROVAL OR COMMITMENT FOR PAYMENT		
			SIGNATURE: <u>[Signature]</u>		
			TITLE: <u>Owner's Representative</u>		
			PRINT NAME: <u>Tam Lamb</u> <u>7/7/2021</u>		

*LABOR BURDEN RATES TO BE PRE-APPROVED BY TDOT. USE CERTIFIED PAYROLL WAGE RATES

FRANKLIN WRF - DAILY TIME SLIP
FOR FORCE ACCOUNT WORK

Page 160 of 190



Kiewit

CP 126

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

January 18, 2022

To: Mr. Dan Harris CP-KIEWIT-00202.00

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 - 30inch Clarifier Influent Piping

Dear Mr. Harris,

Following the re-route of the RAS line between Clarifiers No. 6 and No. 8, Kiewit was able to excavate and locate the existing 24inch Clarifier influent piping adjacent to the RSPS. The existing 24inch Clarifier influent piping was found to be in a different location than shown in the Contract Drawings. As-built information was prepared for the pipeline by Kiewit and submitted to CDM Smith for review.

Kiewit received CDM Smith's response showing the new routing and tie-in locations for the new 30inch Clarifier influent piping.

Kiewit will now have to relocate the previously re-routed RAS line to be able to access the tie-in location at the RSPS and install the new piping

Attached you will find Kiewit's change proposal for **relocating the RAS line to be able to install the new 30inch Clarifier influent piping in the amount of Eleven Thousand Eight-Hundred Thirty-Five Dollars (\$11,835.00).**

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



CP: 30" Clarifier Influent Piping

PREPARED BY: Alexander Potash

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	
Labor Cost						\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Foreman	2.00	EA	10.00	20.0	\$ 60.15	\$ 1,203.00									\$ 1,203.00
Pipefitter	1.00	EA	10.00	10.0	\$ 422.60	\$ 422.60									\$ 422.60
Excavator Operator	2.00	EA	7.50	15.0	\$ 42.26	\$ 633.90									\$ 633.90
Loader Operator	2.00	EA	5.00	10.0	\$ 42.26	\$ 84.52									\$ 84.52
Subcontract						\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
Tennessee Hydro-vac	8.00	HR				\$ -		\$ -		\$ -		\$ 230.00		\$ -	\$ 1,840.00
Remote Hose for Vac Truck	100.00	LF				\$ -		\$ -		\$ -		\$ 1.85		\$ 185.00	\$ 1,840.00
Xylem Support (2men x 10HR)	20.00	HR				\$ -		\$ -		\$ -		\$ 90.00		\$ 1,800.00	\$ 1,800.00
Xylem Service Truck	1	EA				\$ -		\$ -		\$ -		\$ 65.00		\$ 65.00	\$ 65.00
Xylem - Mcelroy T50011 Fusion Machine	1	EA				\$ -		\$ -		\$ -		\$ 375.00		\$ 375.00	\$ 375.00
Equipment Cost						\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
3" Trash Pump	1.00	Day				\$ -		\$ -	\$ 58.00	\$ 58.00					\$ 58.00
3" x 20ft Green PVC Suction Hose	1.00	EA				\$ -		\$ -	\$ 119.44	\$ 119.44					\$ 119.44
3" x 50ft Blue PVC Discharge Hose	3.00	EA				\$ -		\$ -	\$ 92.75	\$ 278.25					\$ 278.25
Caterpillar 335	10.00	HR				\$ -		\$ -	\$ 174.74	\$ 1,747.40					\$ 1,747.40
Caterpillar 315	5.00	HR				\$ -		\$ -	\$ 97.39	\$ 486.95					\$ 486.95
Caterpillar 950	5.00	HR				\$ -		\$ -	\$ 96.25	\$ 481.25					\$ 481.25
Caterpillar 289 D	5.00	HR				\$ -		\$ -	\$ 49.42	\$ 247.10					\$ 247.10
**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)															
	55	MHR				\$ -								\$ 5.00	\$ 275.00
TAX: (9.75% of Material, Equipment, Other)										\$ 333.29					\$ 26.81
BOND (2% of total)															\$ -
SUBTOTALS						\$ 2,344.02		\$ -		\$ 3,751.68		\$ 4,265.00		\$ 301.81	\$ 10,662.52
MARKUP %						15.00%		15.00%		15.00%		15.00%		15.00%	\$ 1,172.88
SUBTOTALS WITH MARKUPS APPLIED						\$2,695.62				\$4,314.44		\$4,478.25		\$347.08	\$11,835.39
BOND															
TOTAL															\$11,835.00

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

Tennessee Hydrovac Inc.

6700 E Old Murfreesboro Rd
Lebanon, TN 37090

Invoice

Date	Invoice #
10/29/2021	2180

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

P.O. No.	Terms	Location
103295	Net 30	Franklin

Description	Quantity	Rate	Amount
10/18 Hydro Excavation Vac Around Pipe	8	230.00	1,840.00
10/18 Hydro Excavation Overtime	2	265.00	530.00
10/18 Additional Laborer	8	24.00	192.00
10/18 Additional Laborer Overtime	2	36.00	72.00
10/18 Remote Hose	100	1.85	185.00
10/20 Hydro Excavation Vac gravel and mud	8	230.00	1,840.00
10/20 Hydro Excavation Overtime	2	265.00	530.00
Unit# 943 Operator: Shawn Watson Laborer: Ed Hensley			

Thank you for your business.

Total \$5,189.00

Sold by:

Branch 044

4001 Murfreesboro Road
Antioch, TN 37013-2219
Tel: 615-471-4219
Fax: 615-471-4325

Remit to: Xylem Dewatering Solutions, Inc.

26717 Network Place
Chicago, IL 60673-1267
Phone: 1.855.278.2248 (opt 4)

NOTE: Valued customers, please note the NEW remit address change included on this invoice.

S O L D
Kiewit Infrastructure Co
3555 Farnam St
Omaha, NE 68131-3311

S H I P
Kiewit Power Construction
US 431
Franklin, TN 37064

Cust. No.	Invoice Date	Invoice No.
000008293	09-30-2021	401119664

Page 1 of 1

Customer PO		Ordered By		Contract Date		Service Contract #		Sales Representative		Order Taken By		Payment Terms	
RAS				09-21-2021		244011258		Randall Perry		Randall Perry		Net 30	
QTY	ITEM	DESCRIPTION										UNIT AMOUNT	EXTENDED AMOUNT
1	FSTR180001R	Mcelroy T500II Fusion Machine 6-20" S/N: 1JK8873										375.00	375.00
44	MILEAGE	Mileage										1.00	44.00
2	SUPERVISOROT	Supervisor Overtime Rate										120.00	240.00
2	TECHNICIANOT	Technician Overtime Rate										120.00	240.00
8	SUPERVISOR	Supervisor Standard Rate										90.00	720.00
8	TECHNICIAN	Technician Standard Rate										82.00	656.00
2	SERVICETRUCK	Godwin Service Truck										65.00	130.00
Comments													
Fused 18" pipe for RAS Bypass													

ALL PAST DUE INVOICES ARE SUBJECT TO
1 1/2% PER MONTH SERVICE CHARGE

Rental	Labor	Shipping	Misc. Charges	Taxes
\$ 375.00	\$ 1,856.00	\$ 0.00	\$ 174.00	\$ 210.28

Important Information: Due to fraud attempts any communication for changes of bank account

Total Invoice \$ 2,615.28



Cat Class Code: 520-9240

Trash Pump, 3 in.

Centrifugal trash pumps pass foreign material such as stones, leaves, mud and various other solids that can clog other pumps. Should clogging occur, you can easily remove the clean-out cover by loosening the hand knobs; no tools required. Trash pumps pass solids half the size of the suction opening, i.e., a 2" trash pump passes 1" spherical solids. Our pumps also pass up to 25% by volume, of sand, silt and mud. Units are self-priming, and once you fill the casing with water, you're ready to go. The heavy-duty tubular steel frame increases portability and component protection.

- 3" suction and discharge ports
- Pump will pass 1.5" solids
- Pumps up to 317 gallons per minute (1.2 MCM)
- Hoses not included
- United Rentals will contact you to confirm pricing and quantity of discharge hose.
- Uses: Ideal for general pumping, dewatering, and removing clogs and solids from liquid
- Add this trash pump to your cart now

Pricing

WEEK RATE	Daily	Weekly	Monthly
	\$58	\$173	\$495

You are viewing equipment rates for Franklin, TN 37064

Sign in to view account pricing and jobsites. Federal, State or Local government customers must sign in to avoid paying tax and extra fees.

Start Date

01/25/2022

End Date

01/26/2022

Quantity

-

1

+

Transit Options

To and From Jobsite

Cost Estimate

Total cost and fees for order determined at checkout. Transit charges may be reduced if multiple items fit on a single truck.

Calculate Cost

Add to Cart

BRANCH H78
109 CENTURY CT
FRANKLIN TN 37064-3913
615-790-1144



198659462

Customer # : 1307612
Quote Date : 09/29/21 11:30 AM

UR Job Loc : 135 CLAUDE YATES DR,
UR Job # : 174
Customer Job ID:
P.O. # : QUOTE
Ordered By : DREW SELSOR
Written By : RUFUS LOCKER
Salesperson : JOSHUA MCCONNELL

Job site

FRANKLIN WTP MOD 103925
135 CLAUDE YATES DR
FRANKLIN TN 37064-2085

Office: 817-337-7000 Cell: 615-879-5275

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

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

Qty	Item number	Stock class	Unit of Measure	Price	Amount
1	3" X 20 FT GREEN PVC SUCTION 10320949	GOODA	EACH	119.440	119.44
3 1	3"X50'BLUE PVC DISCH MXF CAM 10147722	GOODA	EACH	92.750	278.25 92.75

SHIP TO: FRANKLIN WTP MOD 103925
135 CLAUDE YATES DR
FRANKLIN TN 37064-2085

Sub-total: 397.69 ~~212.19~~
Tax: 38.77 ~~20.63~~
Estimated Total: 436.46 ~~232.82~~

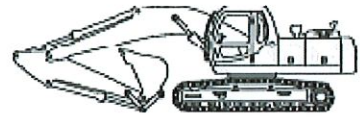
Note: This proposal may be withdrawn if not accepted within 30 days.

THIS IS NOT A SALE AGREEMENT/INVOICE. THE ITEMS LISTED ABOVE ARE SUBJECT TO AVAILABILITY AND ACCEPTANCE OF THE TERMS AND CONDITIONS OF UNITED'S SALE AGREEMENT/INVOICE, WHICH MUST BE SIGNED PRIOR TO OR UPON DELIVERY OF THE ABOVE LISTED ITEMS.

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.

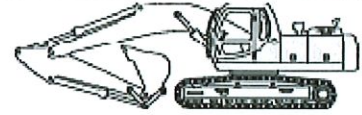
The equipment represented in this report has been exclusively prepared for MICHAEL SHESTON
(Michael.Sheston@kiewit.com)

Rental Rate Blue Book®

June 1, 2020

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

Operating Weight

36340 lbs

Net Horsepower

97 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 \$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%)					-	
Total:	USD \$10,165.54	USD \$2,845.92	USD \$711.48	USD \$106.72	USD \$39.63	USD \$97.39

Non-Active Use Rates

Hourly

Standby Rate

USD \$30.61

Idling Rate

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)

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
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

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)

Rental Rate Blue Book®

June 3, 2020

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%)					-	
Total:	USD \$5,367.01	USD \$1,504.47	USD \$378.79	USD \$56.55	USD \$18.93	USD \$49.42

Non-Active Use Rates

	Hourly
Standby Rate	USD \$15.25
Idling Rate	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)



Kiewit

CP 129

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

February 3, 2022

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

CP-KIEWIT-00205.00

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

Subject: RFI 515 - Elevator Mechanical Room Changes

Dear Mr. Harris,

Attached you will find Kiewit's cost proposal for **RFI 514 - Elevator Mechanical Room Changes** in the amount of **Eleven Thousand Nine Hundred Ninety-Three Dollars (\$11,993.00)**.

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

PREPARED BY: Galileo Rivera-Tobar

Page 173 of 190

Kiewit Infrastructure South Co.
4790 Regent Blvd., Suite 150
Irving, TX 75063

April 28, 2021
M: 678-794-2121
M: 757-771-2758

RE: Franklin WRF – Solids Processing Building
Franklin, TN
RFI #514 – Fire Sprinkler

Attn: Galileo Rivera-Tobar/Abdul Albashitie

This letter serves to provide the extra cost related to the referenced RFI.

The scope of work shall be to drain the sprinkler system, remove existing upright sprinkler head and associated piping, re-pipe for and install one (1) new pendent sprinkler matching other pendants installed in this project. Labor includes cost for mobilization/demobilization of tools and equipment as well as installation. Work shall take place from a ladder. No lift equipment is included. The 'as-built' drawing shall be modified and re-submitted to show the new sprinkler.

	<u>PRICE</u>
Material:	\$ 80.00
Field Labor:	\$ 828.00
Design:	<u>\$ 132.00</u>
Total:	\$ 1,040.00

Thank you,



Mike Warren, Project Estimator/Manager

Galileo.RiveraTobar

From: Hindley, Marshall <MHindley@precisionwalls.com>
Sent: Monday, December 27, 2021 11:18 AM
To: Galileo.RiveraTobar
Subject: [EXTERNAL] RE: Franklin WRF RFI 514 - Mechanical Room Changes

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning Galileo,

To provide the shaft wall ceiling within the Mech Room C-206: \$3,975.00

Includes 2-1/2" shaft wall metal, shaft liner, drywall finished to level 4, fire caulking at the perimeter of the rated system. Labor to re-mobilize, stock materials, install ceiling, and remove waste to on-site dumpster.

Thanks,



Marshall Hindley
Vice President - TN

Precision Walls, Inc.
106 Wheeler Street LaVergne TN 37086
mhindley@precisionwalls.com
Office: (615) 793-2271 | Cell/Text: (615) 796-4938

100% Employee Owned
www.precisionwalls.com | view our locations



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From: Galileo.RiveraTobar [mailto:Galileo.RiveraTobar@kiewit.com]
Sent: Tuesday, December 21, 2021 4:44 PM
To: Hindley, Marshall <MHindley@precisionwalls.com>
Subject: RE: Franklin WRF RFI 514 - Mechanical Room Changes

Marshall,

I haven't heard back from you regarding the changes to this RFI. Would you still be able to quote us on the changes related to the comments on this RFI?

Thanks,



Galileo Rivera-Tobar
Engineer 1

KIEWIT INFRASTRUCTURE CO.
Franklin WRF
135 Claude Yates Dr. Franklin, TN 37064
(615) 785-5183
Kiewit.com



From: Hindley, Marshall <MHindley@precisionwalls.com>
Sent: Friday, December 3, 2021 11:12 AM
To: Galileo.RiveraTobar <Galileo.RiveraTobar@kiewit.com>
Subject: [EXTERNAL] Re: Franklin WRF RFI 514 - Mechanical Room Changes

Got it, thanks

Sent from my iPhone

On Dec 3, 2021, at 11:11 AM, Galileo.RiveraTobar <Galileo.RiveraTobar@kiewit.com> wrote:

Marshall,

You can disregard the Fire Rated Access panel as we have recently been notified by the engineer that it is no longer required for this RFI.

Thanks,

<image003.png>

Galileo Rivera-Tobar
Engineer 1

KIEWIT INFRASTRUCTURE CO.
Franklin WRF
135 Claude Yates Dr. Franklin, TN 37064
(615) 785-5183
Kiewit.com

<image002.jpg>

From: Galileo.RiveraTobar
Sent: Thursday, December 2, 2021 9:25 AM
To: MHindley@precisionwalls.com
Subject: Franklin WRF RFI 514 - Mechanical Room Changes

Marshall,

Could you provide us pricing based on the comments and drawings regarding RFI 514? Along with that, would you be able to price the supply and install of the 1-hour Fire Rated Access Panel as noted in the response as well? I have attached the RFI 514 response for you to reference.

Thanks,

<image001.png>

Galileo Rivera-Tobar
Engineer 1

KIEWIT INFRASTRUCTURE CO.
Franklin WRF
135 Claude Yates Dr. Franklin, TN 37064
(615) 785-5183
Kiewit.com

<image002.jpg>



SANDBLASTING • PAINTING • FIREPROOFING
Commercial & Industrial

615.790.8822
cipaint.com

Estimator : Keith Mabry

keith@cipaint.com

104 Alpha Dr. Franklin, TN 37064

Office: 615-790-8822 Cell: 615-785-8290

www.cipaint.com

TN Contractors License No.00021605

To: Kiewit

Attn: Galileo Rivera-Tobar

Proposal #

Date: 1/14/2021

Project: Franklin WRF - RFI 514 Mechanical Room Changes

Expires: 30 days

We are pleased to submit the following bid:

Description: Surface preparation and painting services as described below. Including all associated labor, materials, tools, and equipment. Bid based on information provided.

Base Bid: \$2,846

Surface preparation and painting as described below.

1. Paint the following items per RFI 514 and Section 09902.
2. Includes the following items -
 - Extended section of sprinkler pipe in Mechanical Room C-206 at Solids Processing Building
 - Soffit added in Mechanical Room C-206 at Solids Processing Building

Base bid assumes the following:

1. Pricing based on information provided.
2. Assume work to be performed in first quarter of 2022.
3. Assume payment to be made by owner within 30 days of billing.
4. Assume all work to be performed in one mobilization.



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

February 2, 2022

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 #90

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 demo of all electrical devices, fixtures, and reinstallation in a new hard ceiling within the Solids Process Building Elevator Machine Room.

Material	\$	985.74
Labor		2,145.99
Overhead & Profit		411.49
Subtotal	\$	3,543.22
Bond		18.07
Total	\$	3,561.29

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
February 2, 2022
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 nyoung@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.

A handwritten signature in black ink, reading "Nicholas Young", written over a vertical line.

Nicholas A. Young
Project Manager

NAY/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-0090, Elevator Machine Room Ceiling Modifi
Date: 1/31/2022
Project Name: Franklin WRF Mods and Exp
Project Number: 06198-00-18
Page Number: 1

Work Description

This proposal is for the demo of conduit, wiring, light fixtures, & fire alarm. All equipment will be reinstalled in proposed new framed ceiling.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
As Bulbs	0.00	0.0000	HRS	0.000	0.000	0.630
Cleanup	0.00	0.0000	HRS	0.000	0.000	0.630
Tools	0.00	0.0000	HRS	0.000	0.000	0.750
Field Safety/JHA	0.00	0.0000	HRS	0.000	0.000	0.630
Supervision	0.00	0.0000	HRS	0.000	0.000	1.250
Project Controls	0.00	0.0000	HRS	0.000	0.000	1.250
DEMO LIGHT FIXTURES, CONDUIT, & WIRING	1.00	0.0000		0.000	12.000	12.000
INSTALL TYPE F LIGHT FIXTURE	1.00	0.0000		0.000	1.000	1.000
INSTALL TYPE F1 LIGHT FIXTURE	1.00	0.0000		0.000	1.000	1.000
FIRE ALARM SUB CONTRACTOR	1.00	582.7500		582.750	0.000	0.000
3/4" ALUMINUM CONDUIT	40.00	5.6425	FT	225.700	0.082	3.280
3/4 FLEX CONDUIT ALUM	18.00	0.9567	FT	17.220	0.068	1.215
3/4" FLEX STEEL STRAIGHT CONNECTOR	12.00	2.0300	EA	24.360	0.210	2.520
#12 XHHW COPPER WIRE	186.00	0.4770	FT	88.720	0.011	1.953
4" SQ. BOX 2-1/8" DEEP 3/4" KO	4.00	6.4425	EA	25.770	0.400	1.600
8 X 3/4 PAN HEAD PLATED SMS PHL	32.00	0.0678	EA	2.170	0.000	0.000
SCREW GUN BOX BRKT 16"OC STUD BOX 2 1/8D	4.00	4.7625	EA	19.050	0.125	0.500
Totals				985.74		30.21
Tax				0.00		
Materials with Tax				985.74		

Summary

Itemized Breakdown Total		985.74
Elect. Journeyman	(30.2080 hrs @ \$71.04 / hr)	2,145.98
		2,145.98
Subcontractor Mark up	(\$582.75 @ 5.00%)	29.14
Overhead & Profit	(\$2,548.98 @ 15.00%)	382.35
		411.49
Bond	(\$3,543.22 @ 0.51%)	18.07
		18.07
		429.56
Total		\$3,561.29



Kiewit

CP 90

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

December 17, 2021

To: Mr. Dan Harris

CP-KIEWIT-00197.00

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 - Cambi RIOP Panels C & D and the Local HMI Panel in the Digester Building

Dear Mr. Harris,

Attached you will find Kiewit's revised change proposal for the **Cambi RIOP Panels C & D and the Local HMI Panel in the Digester Building** in the amount of **One Hundred Eighty-Six Thousand Nine Hundred Sixty-Six Dollars (\$186,966.00)**.

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



CP: Cambi RIOP Panels C & D and the local HMI Panel in the Digester Building

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	
Cambi RIOP Panels C & D and the local HMI Panel in the Digester Building	1	LS			\$ -	\$ -	\$ -	\$ -	\$ 162,579.14	\$ 162,579.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,579.14
**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			\$ -	\$ -									\$ 5.00	\$ -	\$ -
TAX: (9.75% of Material, Equipment, Other)																	\$ -
SUBTOTALS						\$ -				\$ 162,579.14		\$ -					\$ 162,579.14
MARKUP %						15.00%				15.00%		15.00%					\$ 24,386.87
SUBTOTALS WITH MARKUPS APPLIED										\$ 186,966.01							\$ 186,966.01
BOND																	
TOTAL																	\$ 186,966.00



via email: Steven.Davis1@kiewit.com
Steve Davis
Kiewit Water Facilities South
4800 North Point Parkway, Suite 100
Alpharetta, GA 30022

December 16, 2021

Re: Franklin WRF Modification & Expansion
Project #103925-MC-048 (Cambi #108700) Letter 108700-KEM-003_D02.
Subject: Cambi Electrical scope increase due to specification changes for RIOP Panels.

Dear Mr. Davis,

This change order request summarizes the added Electrical scope from the original contract. The Electrical changes are driven by the current specifications that have increase Cambi's scope of work adding additional panels. The additional (2) panels, RIOP-C and RIOP-D were additional scope along with PLC controls and associated monitoring components duplicated in panels RIOP-C and RIOP-D.

Cambi is currently providing two (2) Remote I/O Panels designated as RIOP-A and RIOP-B located adjacent to the Dewatered Cake Storage Bin. RIOP-A and -B Panels are 3-door, NEMA 4X stainless steel enclosures measuring 117½" long x 90" tall x 24" deep. These Panels are identical in construction, and each provide power and control for half of the equipment and components associated with the Dewatered Cake Storage Bin. Each Panel includes a remote PLC I/O rack, three (3) VFDs and all power and control distribution for one (1) Discharge Screw, One (1) Vertical Screw and one (1) Pulper Feed Pump as part of the Dewatered Cake Storage and THP Feed. The Remote I/O Panels each require 460V/3ph/60Hz, 50A power supply.

Cambi is also providing two (2) Remote I/O Panels designated as RIOP-C and RIOP-D located in the Digester Building adjacent to the Cooling Heat Exchangers and Recirculation Pumps. The Remote I/O Panels are 2-door, NEMA 12 stainless steel enclosures measuring 77¾" long x 90" tall x 24" deep. These Panels are identical in construction, and each provide power and control for one Recirculation Pump and Cooling Heat Exchanger. Each Panel includes a remote PLC I/O rack, one (1) VFD and all power and control distribution for one (1) Pump and one (1) Cooling Heat Exchanger. The Remote I/O Panels each require 460V/3ph/60Hz, 50A power supply. The RIOP-C and RIOP-D panels has been added from original contract.

Per our original contract, Cambi was to supply motor controlled panels for the Digester Recirculation Chopper Pumps out of RIOP-A & RIOP-B. Specification changes since the original bid added controls to Cambi's scope and the panel RIOP-C and RIOP-D became larger. Due to the size increase, new locations were found for the panels under RFI-179, also changing them to a NEMA 12 rating. Included in this change order is the Deduct from RIOP-C & RIOP-D panels being NEMA 12 from a NEMA 4X stainless steel enclosures. Added cost to panel RIOP-C and RIOP-D was due to RFI-260 adding motorized valves to the digester recirculation lines.



In addition to the changes outlined above, Cambi is including the cost of adding an HMI to the RIOP-C per RFI-179. RFI-179 states that a separate HMI panel (with touchscreen) shall be provided at the pump gallery in the approximate location of CAMBI RIOP-C. (Location by contractor).

Added cost to the contract price for additional Electrical scope = \$162,579.14

Panel-C & Panel -D; Deduct and HMI	
	Cost of Added Scope
RIOP-C (NEMA 4X):	\$74,668.10
RIOP-D (NEMA 4X):	\$74,668.10
Engineering of new panels	\$14,800.00
RIOP-C & D Deduct for NEMA 12:	(\$18,478.00)
Local HMI (NEMA 4X):	\$16,920.93
Total change Order	\$162,579.14

Note changes in cost to panels RIOP-C & D in this change order revision comes from the cost between Cambi providing RIOP-C & D with the motor starters Vs. VFD and instruments in panels in the first change order. This revision of the change order represents the total the cost of suppling panels RIOP-C and RIOP-D.

Regards,

Timothy J. Dwyer
Project Manager

cc: Robert Van Bramer: Cambi
Peter Sestak: Kiewit



File #: 21-03041

DATE: March 10, 2022
TO: Capital Investment Committee
FROM: Michelle Hatcher, Director of Water Management
SUBJECT:

Consideration To Deny Sewer Availability At 1111 Beech's Tavern Trail (Map 053 Parcel 01000).

PURPOSE:

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning a recommendation for denial of a request for sewer availability for the above referenced property.

BACKGROUND/STAFF COMMENTS:

Date of Request: 2/3/22.
SFUE's Requested: 1.
Domestic Water Meter Size(s): ¾".

This property is located outside of the City limits, south of Moore's Lane and west of Franklin Road. The Highgate subdivision adjacent to the property is served with sanitary sewer via a low-pressure system that was installed as a result of a special assessment. The system was not designed to include the property requesting denial of sewer. The applicant's residence is currently on septic, and a building that had served as dog kennels is being converted to serve as mother-in-law quarters. A new septic field will be required, so the County has requested that the applicants seek denial of sanitary sewer from the City of Franklin as part of the septic approval process. The applicant is requesting denial.

FINANCIAL IMPACT:

N/A

RECOMMENDATION:

Staff recommends that availability be recommended for denial to the Board of Mayor and Aldermen.



Request for Water and/or Sewer Availability & Associated Costs

Please fill in the following information & return this form with the site plan per directions below. Incomplete forms will result in the request being returned until all of the information is included. Refer to the attached memo for fees and additional information.

Type of Availability Requested:		CHECK ALL THAT APPLY: ☐ Water ☒ Sewer	
Project Name & Subdivision, Section, Lot #		Christine Simonian	
Map & Parcel(s) #		053- 01000	
Property Address:		1111 Beach's Tavern trail Franklin 37069	
City Project # (If Applicable)		N/A	
# of Dwelling Units (If Residential)		1 (SINGLE FAMILY Household)	
Applicant's Name & Company		Alan Shonting-SPWC Construction	
Applicant's Address		1400 N. Mt. Juliet Rd. Ste 202 Mt. Juliet 37122	
Applicant's Email & Phone #		Ashonting@sekypro107@gmail.com PHONE: 615-485-2419	
Anticipated Water Meter Size(s) (see chart on pg. 3).		3/4"	
Water District:		Mallory Valley Utility District	
Sewage Flow Calculations: Use the City of Franklin projected flow examples sheet -pg.4 350 GPD.			
<i>use additional sheets as necessary</i>			
Anticipated sewage flows: Information Required for Sewer Service			
If County is requiring this request please indicate if you are requesting an approval or denial:		☒ DENY my Request ☐ APPROVE my request <i>*approval or denial is approved by BOMA, indication here is not a guarantee for approval or denial*</i>	

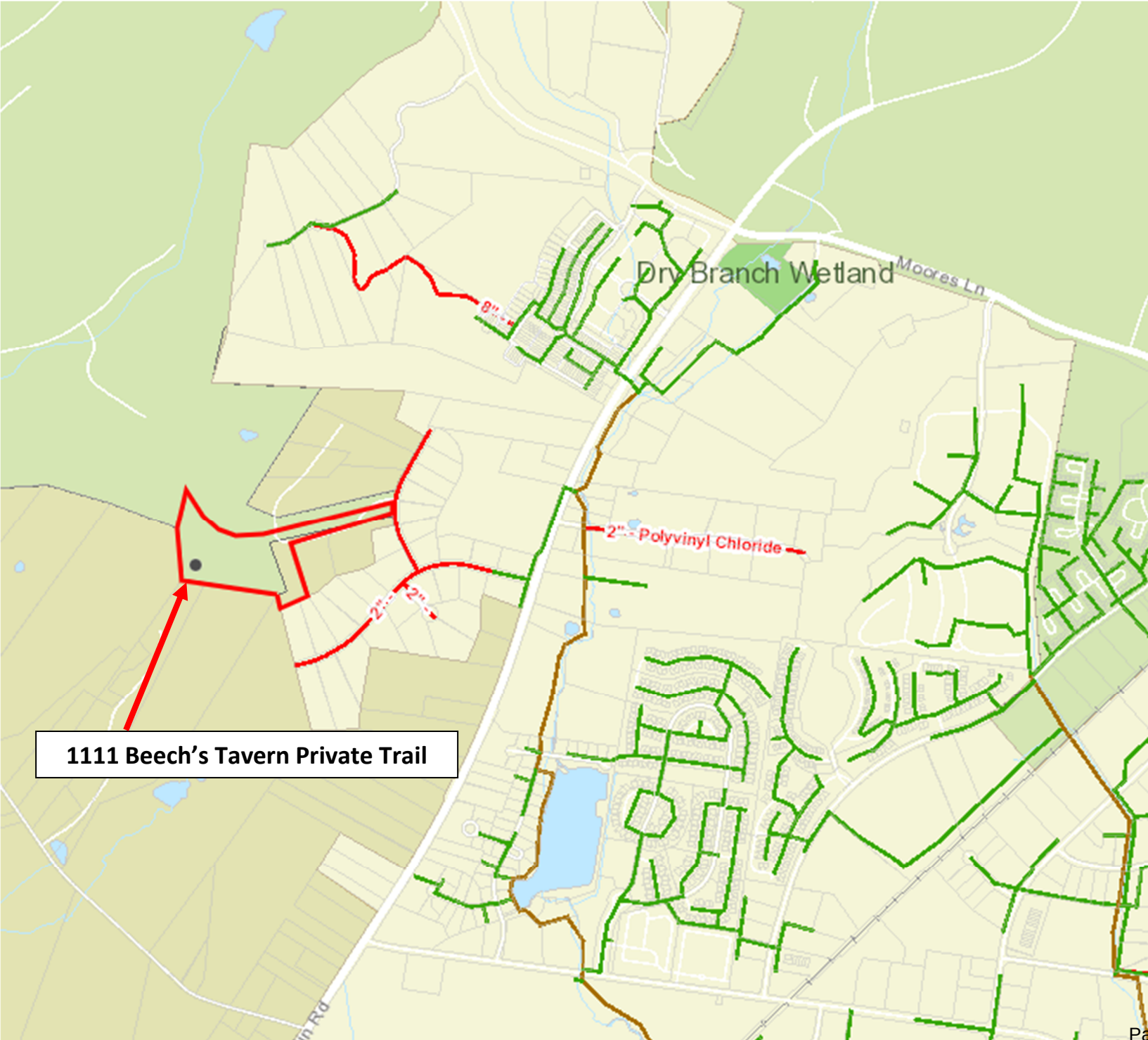
MUST SUBMIT A LOCATION MAP (FOR EX: GOOGLE MAP)

Email Application to: availability@franklintn.gov

For additional information or questions please call: 615-794-4554

Date Submitted: 02/03/2022

LOCATOR MAP



LOCATOR MAP (Aerial view)



Neighborhood View

