

REQUEST FOR CONSTRUCTION CONTRACT CHANGE CHANGE ORDER NO. 1

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's 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:

On May 2, 2019, Kiewit forwarded an unsolicited Change Proposal (CP No. 5) in the amount of \$180,565.00 (one hundred eighty thousand five hundred sixty-five and 0/100 dollars) to perform limited demolition of existing Equalization Tanks/Excess Flow Basins No. 1 and No. 2, which was not included within the original scope of the contract. This proposal will provide cost advantages to the City through utilization of personnel and equipment currently performing work at the Project site, and will hedge against possible escalation if this work is deferred to a future contract or initiative.

Attachments (List documents supporting change):

Attachment A – CP No. 5

CHANGE IN CONTRACT PRICE:	
Original Contract Price:	\$132,890,000.00
Net Increase in Contract Price From Previous Change Orders:	\$0.00
Contract Price Prior to This Change Order:	\$132,890,000
Net Increase or <Decrease> of This Change Order:	\$180,565.00
Contract Price with All Approved Change Orders:	\$133,070,565.00


CHANGE IN CONTRACT TIMES	
Original Contract Times	
Substantial Completion Date	2/20/22
Final Completion Date	5/26/22
Net Change From Previous Change Orders	
Substantial Completion	0 Days
Final Completion	0 Days
Contract Times Prior to This Change	
Substantial Completion Date	2/20/22
Final Completion Date	5/26/22
Increase in Time This Change Order	
Substantial Completion	0 Days
Final Completion	0 Days
Contract Times with All Approved Change Orders	
Substantial Completion Date	2/20/2022
Final Completion Date	5/26/2022

Now, Therefore, Kiewit Infrastructure South Co. , hereby agrees to this Change Order, consisting of the above mentioned cost 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

CITY PROJECT MANAGER

Name: Daniel A. Harris Name: Brian Goodwin
Signature:  Signature: _____
Date: 5/17/19 Date: _____

CITY WATER MANAGEMENT DIRECTOR

Name: Michelle Hatcher
Signature: _____
Date: _____

ACCEPTED BY CONTRACTOR:

APPROVED BY OWNER:

Name: _____ Name: _____
Title: _____ Title: _____
Signature: _____ Signature: _____
Date: _____ Date: _____



Kiewit

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

May 7, 2019

To: Attn: Mr. Dan Harris

GC-KIEWIT-00015.00

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 for Partial Demolition of the Existing EQ Tanks/Excess Flow Basins No. 01 and No. 02

Dear Mr. Harris,

Kiewit has informally discussed the demolition of the EQ Tanks/Excess Flow Basins No. 01 and No. 02 with the City of Franklin. In the Weekly Owner's Meeting on May 3, 2019, Mr. Brian Goodwin expressed that the City of Franklin would like to proceed with the partial demolition of EQ Tanks/Excess Flow Basins No. 01 and No. 02.

The scope of work for this proposal includes dewatering and removal of sludge from inside the tanks, removal of all exposed piping and equipment, cutting/capping of all underground piping, demolition of the walls of the tanks to below grade (includes removal/disposal of reinforcing steel in walls), and hammering holes in the foundations of the tanks to allow for drainage. The concrete from the demolished walls will be utilized for backfill of the tanks. Please also reference Demo Plus' quote dated March 3, 2019 for structural scope of work and exclusions. Geogrid and geotextile fabric is included in the proposal to be placed on top of the concrete fill prior to beginning backfill with soil.

Kiewit has not included any additional cost in this proposal for backfilling of the tanks with soil. Kiewit included budget for hauling and placement of excess material for the landscape berms in the original bid and will utilize this budget for placing backfill materials for the tanks. The proposed backfill material will consist of soils previously excavated from site and stockpiled. If Kiewit utilizes the existing stockpiled soils, Kiewit cannot guarantee that these soils will be dry enough to meet the specified requirements for installation of common fill. If the Client requires Kiewit to meet the specified requirements for common fill, additional cost will be required.

Kiewit proposes to complete the demolition of the Existing EQ Tanks/Excess Flow Basins No. 01 and No. 02 in accordance with written description above for a total price of **One Hundred Eighty Thousand Five Hundred Sixty-Five Dollars (\$180,565.00)**.

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



Kiewit

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

Mr. Dan Harris
May 7, 2019
Page 2

Sincerely,

A handwritten signature in black ink, appearing to read 'Steve Davis', with a stylized flourish at the end.

Steve Davis
Project Manager

cc: File

PREPARED BY: Steve Davis

Franklin WRF_Cost Proposal Worksheet_Demolition of Existing EQ Tanks_R



DATE: May 6, 2019

PCO NO.: Proposal for Partial Demolition of Existing Equalization Basins

DESCRIPTION	QTY	UNIT	MH Per Unit	Total MH	DIRECT LABOR		INDIRECT LABOR		MATERIAL		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	
STS - small tools, consumables, safety equip, (5% of direct labor, plus 9.75% sales tax. Formula = Total Direct Labor Subtotal * .05 * 1.0975)						\$ -		\$ -		\$ -		\$ -		\$ -		\$ 797.98	\$ 797.98
TAX: (9.75% of Material, Equipment, Other)						\$ -		\$ -		\$ 460.84		\$ 956.24				\$ 77.80	\$ 1,494.89
BOND (2% of total)																	
SUBTOTALS				570.13		\$ 14,541.76		\$ 12,428.80		\$ 5,187.40		\$ 10,763.38		\$ 123,997.86		\$ 875.78	\$ 167,795.49
MARKUP %						15.00%		15.00%		15.00%		15.00%		5.00%		15.00%	\$ 12,769.54
SUBTOTALS WITH MARKUPS APPLIED						\$ 16,723.03		\$ 14,293.12		\$ 5,965.51		\$ 12,378.47		\$ 130,197.75		\$ 1,007.15	\$ 180,565.03
BOND																	\$ -
TOTAL																	\$ 180,565.00

PREPARED BY: Steve Davis



Quote Submitted to:

Cody Prange

Kiewit Water Facilities South Co.

135 Claude Yates Drive

Franklin, TN 37064

Cody.Prange@kiewit.com

(507) 461-2432



Job # 17-0342D

Date: 3/6/2019

We hereby submit our Proposal for: **EQ Tank Demo Alternate**

Demolition Pricing:

<u>Tanks Demo</u>	\$	124,100.00
<u>Reuse Concrete</u>	\$	115,100.00

Structural Scope:

- Demo of both EQ Tanks below grade
- Demo of all steel in or on structures
- Hammer holes in slab for drainage
- Supply dust suppression during demolition
- Supply C&D containers for demolition debris
- Rough grade affected areas after demolition is complete
- All demolition debris to be taken to certified landfill/solid fill site for disposal
- All pricing based on the demo to commence during the current mobilization, if not additional costs may apply
- Reuse concrete price is based on if we back fill the hole with the concrete from demo and not haul it off site

Exclusions:

- Asbestos Abatement to be priced separately
- ME&P cut and caps to be done by others
- ICRA containment to be done by others
- All items not listed in scope to be priced separately
- Piping outside structure to be priced separately
- Grading permit to be obtained by others
- Permits to be obtained by GC/Owner
- Final grade to be priced separately or done by others unless noted above

We will complete all work as specified above (weather permitting) upon receipt of duly signed agreement and/or notice that the owner is ready for work to commence on the job. We are adequately covered with Public Liability, Property Damage and Workman's Compensation Insurance. LIC#00058732

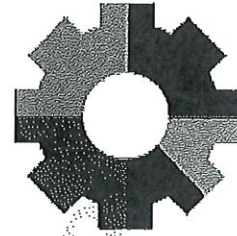
We will furnish all labor, materials, machinery, equipment and services, and perform and complete the work as specified above for the consideration of all *salvageable materials* on the premises, with the exceptions as noted above. Terms are Net 30 days.

Rental Rate Blue Book®

April 29, 2019

Ford F-250 SD

On-Highway Light Duty Trucks

Size Class:
300 HP & Over
Weight:
HP

Configuration for F-250 SD

Axle Configuration	4.0 X 4.0	Cab Type	Crew
Horsepower	300.0	Power Mode	Gasoline
Ton Rating	3.0 / 4.0		

Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	\$890.00	\$250.00	\$63.00	\$9.00	\$19.65	\$24.71
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2019: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$890.00	\$250.00	\$63.00	\$9.00	\$19.65	\$24.71

Non-Active Use Rates

	Hourly
Standby Rate	\$3.59
Idling Rate	\$20.74

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	54%	\$480.60/mo
Overhaul (ownership)	29%	\$258.10/mo
CFC (ownership)	7%	\$62.30/mo
Indirect (ownership)	10%	\$89.00/mo
Fuel (operating) @ 2.75	80%	\$15.68/hr

Revised Date: 1st half 2019

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@klewit.com)

Rental Rate Blue Book®

May 6, 2019

Caterpillar D5K LGP (disc. 2015)

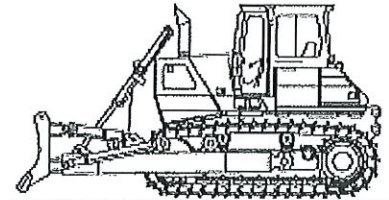
Lgp Crawler Dozers

Size Class:

85 - 104 HP

Weight:

21347 HP


Configuration for D5K LGP (disc. 2015)

Dozer Type	VPAT	Net Horsepower	96.0
Operator Protection	ROPS/FOPS	Power Mode	Diesel

Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	\$6,525.00	\$1,825.00	\$455.00	\$68.00	\$35.40	\$72.47
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2015: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$6,525.00	\$1,825.00	\$455.00	\$68.00	\$35.40	\$72.47

Non-Active Use Rates

Hourly

Standby Rate	\$16.31
Idling Rate	\$50.25

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	28%	\$1,827.00/mo
Overhaul (ownership)	56%	\$3,654.00/mo
CFC (ownership)	9%	\$587.25/mo
Indirect (ownership)	7%	\$456.75/mo
Fuel (operating) @ 3.27	37%	\$13.18/hr

Revised Date: 1st half 2019

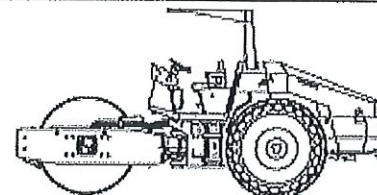
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Rental Rate Blue Book®

May 6, 2019

Caterpillar CS-56 (disc. 2012)
Single Drum Vibratory Compactors

Size Class:
8.0 - 11.9 MTons
Weight:
25164 MT

Configuration for CS-56 (disc. 2012)

Drum Type	Smooth	Drum Width	84.0
Net Horsepower	143.0	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	\$4,960.00	\$1,390.00	\$350.00	\$53.00	\$37.85	\$66.03
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2012: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$4,960.00	\$1,390.00	\$350.00	\$53.00	\$37.85	\$66.03

Non-Active Use Rates

Hourly

Standby Rate	\$20.29
Idling Rate	\$40.34

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	48%	\$2,380.80/mo
Overhaul (ownership)	28%	\$1,388.80/mo
CFC (ownership)	13%	\$644.80/mo
Indirect (ownership)	11%	\$545.60/mo
Fuel (operating) @ 3.27	32%	\$12.16/hr

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Rental Rate Blue Book®

May 6, 2019

Caterpillar 938K (disc. 2015)
4-Wd Articulated Wheel Loaders

Size Class:
150 - 174 HP
Weight:
35104 HP

Configuration for 938K (disc. 2015)

Bucket Capacity - Heaped	3.2	Net Horsepower	173.0
Operator Protection	ROPS/FOPS	Power Mode	Diesel

Blue Book Rates

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

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	\$7,025.00	\$1,965.00	\$490.00	\$74.00	\$37.75	\$77.66
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2015; 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$7,025.00	\$1,965.00	\$490.00	\$74.00	\$37.75	\$77.66

Non-Active Use Rates

Hourly

Standby Rate	\$24.75
Idling Rate	\$58.01

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	40%	\$2,810.00/mo
Overhaul (ownership)	38%	\$2,669.50/mo
CFC (ownership)	12%	\$843.00/mo
Indirect (ownership)	10%	\$702.50/mo
Fuel (operating) @ 3.27	48%	\$18.10/hr

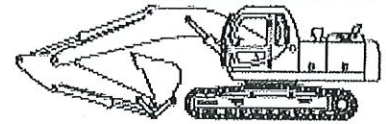
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Rental Rate Blue Book®

May 6, 2019

Caterpillar 330 L (disc. 1996)
Crawler Mounted Hydraulic Excavators

Size Class:
33.1 - 40.0 MTons
Weight:
73770 MT

Configuration for 330 L (disc. 1996)

Bucket Capacity - Heaped	1.75	Net Horsepower	222.0
Operating Weight	34.2	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	\$11,845.00	\$3,315.00	\$830.00	\$125.00	\$74.65	\$141.95
Adjustments						
Region (100%)	-	-	-	-		
Model Year (1996: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$11,845.00	\$3,315.00	\$830.00	\$125.00	\$74.65	\$141.95

Non-Active Use Rates

Hourly

Standby Rate	\$35.00
Idling Rate	\$97.79

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	36%	\$4,264.20/mo
Overhaul (ownership)	48%	\$5,685.60/mo
CFC (ownership)	9%	\$1,066.05/mo
Indirect (ownership)	7%	\$829.15/mo
Fuel (operating) @ 3.27	41%	\$30.49/hr

Revised Date: 1st half 2019

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INVOICE

CORPORATE OFFICE
500 N. McEwen Creek Rd.
PO BOX 457
CONOVER, NC 28613-0457
PHONE (828) 464-4673
FAX (828) 464-0459



PLEASE REMIT TO:
HANES GEO COMPONENTS
L&P FINANCIAL SERVICES CO
PO BOX 60984
CHARLOTTE, NC 28260

SOLD TO

KIEWIT INFRASTRUCTURE SOUTH CO
ACCOUNTS PAYABLE
PO BOX 452500
OMAHA, NE 68145-2500

SHIP TO

KIEWIT INFRASTRUCTURE SOUTH CO
135 CLAUDE YATES DR.
CODY PRANGE 507-461-2432
FRANKLIN, TN 37027

INVOICE NUMBER	INVOICE DATE	TERMS		CARRIER		ROUTING		PPDCOL
64-592112	1/30/2019	NET 30		OUR TRUCK TENNESSEE				P
CUSTOMER NO.	CUSTOMER ORDER NO.	SLS. MGR	SLSMAN.	ORDER DATE			BILL OF LADING	RELEASE #
44242		18	570	1/29/2019	GOODLETTSVILLE, TN DAY8		S/L 27704	056 28680 TPP

PRODUCT	WIDTH	DIM-2	DESCRIPTION	PUTUP	PK	QTY	CS	QUANTITY	UOM	PRICE	AMOUNT	AVG
32160			TERRAGRID RX1200 13'X164' 237 SY		EA			5	RL	260.7000	1,303.50 *	
38566			TERRATEX HD NTPEP 12.5'X360' 500 SY		EA			5	RL	290.0000	1,450.00 *	
95009	1.000		DELIVERY CHARGE	1	EA	EC		1	EA	65.0000	65.00 *	
99001			9.7500% TN WILLIAMSON COUNTY * DENOTES TAXABLE LINE ITEMS					1		274.8000	274.80	

CERTIFICATION:
THE SELLER DOES NOT CERTIFY, EITHER IMPLICITLY OR EXPLICITLY, THESE PRODUCTS TO MEET THE REQUIREMENTS OF ANY REGULATORY AGENCY OR SPECIFICATION EXCEPT AS MAY BE CERTIFIED ABOVE OR UNDER SEPARATE WRITTEN CERTIFICATION. ALL TRANSACTIONS ARE SUBJECT TO THE CONDITIONS ON THE REVERSE SIDE OF THIS INVOICE.

*****ALL RETURNS SUBJECT TO A 25% RESTOCKING FEE*****

43715

ORIGINAL

293 THE LAWS OF THE STATE OF NORTH CAROLINA SHALL GOVERN THIS TRANSACTION. A LATE PAYMENT CHARGE AT A PER ANNUM RATE EQUAL TO THE PRIME RATE OF THE CHASE MANHATTAN BANK, N.A. IN EFFECT ON THE FIRST DAY OF EACH MONTH PLUS 2% OR 18% PER ANNUM WHICHEVER RATE IS HIGHER, WILL BE IMPOSED ON THE FIRST OF EACH MONTH ON ALL PAST DUE INVOICES PAID DURING THE MONTH.

TOTAL INVOICE AMOUNT

3,093.30