

RESOLUTION NO. 2024-_____

**A RESOLUTION BY THE CITY TO APPROVE CHANGE ORDER 4 TO THE
CONTRACT WITH CROSSLAND HEAVY TO PROVIDE CONSTRUCTION
SERVICES IN CONNECTION WITH THE WASTEWATER TREATMENT
PLANT EXPANSION**

WHEREAS, the City of Prairie Grove is expanding the wastewater treatment plant; and

WHEREAS, the City entered into a construction contract with Crossland Heavy to provide construction of the wastewater treatment plant expansion; and

WHEREAS, Change Order 4 is needed to provide for removal of sludge sediment from retention basins.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF
THE CITY OF PRAIRIE GROVE, ARKANSAS:**

That the City Council hereby authorizes the Mayor and Clerk to enter into the attached Change Order 4 with Crossland Heavy to amend the contract for the expansion of the wastewater treatment plant. The total increase in contract cost will be dependent on the amount of sludge removed, which cannot be known until actually removed. It is estimated to be approximately \$85,350.00. The Mayor and Clerk are further authorized to take such steps as are necessary and incident to its implementation.

PASSED AND APPROVED on this 22nd day of January 2024.

APPROVED:

ATTEST:

David Faulk, Mayor

Christine Kelly, Clerk

CHANGE ORDER

No. 4

olsson®

Date of Issuance: 12/21/23 Effective Date: 12/22/23

Project: Wastewater Treatment Facility Expansion 2A	Owner: City of Prairie Grove, Arkansas	Owner's Contract No.: N/A
Contract: Section 00 52 00 - AGREEMENT	Date of Contract: 08/09/2022	
Contractor: Crossland Heavy Contractors, Inc.	Engineer's Project No.: 021-00948	

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

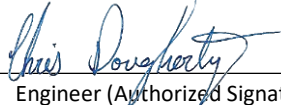
Description: Cleanout of existing Biological Units No. 1 & 2.

This change order is intended to allow contractor to cleanout the two existing biological units prior to installation of new submersible and jet mixing equipment. Quantity of solids to be removed is unknown and an estimated quantity is used for this change order. Solids will be removed on a time and materials basis. A reconciliatory change order will be issued to adjust final solids removal quantity.

Attachments: Crossland letter dated December 19, 2023 including contractor pricing and quote from Denali.

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: \$ <u>7,358,000.00</u>	Original Contract Times: Substantial Completion (days or date): <u>330 days</u> Ready for Final Payment (days or date): <u>360 days</u>
[Increase] [Decrease] from previously approved Change Orders No. <u>1</u> to No. <u>3</u> : \$ <u>478,923.36</u>	[Increase] [Decrease] from previously approved Change Orders No. <u>1</u> to No. <u>3</u> : Substantial Completion (days or date): <u>97 Days</u> Ready for Final Payment (days or date): <u>97 Days</u>
Contract Price prior to this Change Order: \$ <u>7,836,923.36</u>	Contract Times prior to this Change Order: Substantial Completion (days or date): <u>427 days</u> Ready for Final Payment (days or date): <u>457 days</u>
[Increase] [Decrease] of this Change Order: \$ <u>85,350.00</u>	[Increase] [Decrease] of this Change Order: Substantial Completion (days or date): <u>60 Days</u> Ready for Final Payment (days or date): <u>60 Days</u>
Contract Price incorporating this Change Order: \$ <u>7,922,273.36</u>	Contract Times with all approved Change Orders: Substantial Completion (days or date): <u>487 days</u> Ready for Final Payment (days or date): <u>517 days</u>

RECOMMENDED:

By: 
Engineer (Authorized Signature)

Title: Senior Engineer

Date: 12/21/23

ACCEPTED:

By: _____
Owner (Authorized Signature)

Title: _____

Date: _____

ACCEPTED:

By: 
Contractor (Authorized Signature)

Title: Project Manager

Date: 1/2/2024

CROSSLAND HEAVY CONTRACTORS

501 S. East Ave.
Columbus, KS. 66725
Tel: (620) 429-1410

December 19, 2023

Olsson Engineering
Chris Dougherty
Senior Engineer

RE: Prairie Grove WWTP Expansion – Basin Cleaning

Chris,

Based on the best and most recent information available to Crossland Heavy, we are assuming the below costing metric to be accurate to the best of our knowledge at this time. Given the nature of the work required, and the many unknowns within the scope, the value of the change order may increase or decrease depending on the quantity of material to be found present in the existing basins. Once the change order work is complete, it is Crossland Heavy's recommendation to perform a reconciliation change order process in order to process the prospective change of contract to the correct value of the scope.

Approximate Quantities & Value

- 1,160 CY of Material
- \$32.20/CY Removal Fee
- \$4,000/Mobilization
 - Two Mobilizations Required
- T&M for Material Handling & Support
 - Worksheet Attached

Crossland Heavy is pleased to present the estimated pricing below to complete the work as described.

- Basin Cleaning by Denali - **\$45,350.00**
- Material Handling & Support by CHC - **\$40,000.00**
- Additional Day Request – **60 Calendar Days**

Thanks,



Garrett Street
Project Manager
Crossland Heavy Contractors
gstreet@heavycontractors.com Cell: (620)-202-1834

Project: Prairie Grove WWTP Expansion

T Worksheet: (input date)

Description: (input work description)

Materials	# of Units	UOM	Unit Price	Extension
<u>(description of work)</u>				
Did Something	1	EA	\$ -	\$ -
			<u>Total Materials</u>	\$ -
			<u>Tax</u> 9.75%	\$ -
			<u>Fee</u> 15%	\$ -
			<u>Total Materials w/Fee</u>	\$ -

Labor	Hourly \$	# of Units	MH/U	Total MH	Extension
<u>(description of work)</u>					
Operator	\$45.00	1	0	0	\$ -
				<u>Total Labor</u>	\$ -
				<u>Fee</u> 15%	\$ -
				<u>Total Labor w/ Fee</u>	\$ -

Equipment	Hours	Hourly Rate	Days	Day Rate	Extension
<u>(description of work)</u>					
CAT 279D	0.00	\$ 41.06			\$ -
				<u>Total Equipment</u>	\$ -
				<u>Fee</u> 15%	\$ -
				<u>Total Equipment w/Fee</u>	\$ -

Subcontractor	# of Units	UOM	Unit Price	Extension
<u>(description of work)</u>				
(Subcontractor name)	1	CY	\$ -	\$ -
			<u>Total Direct Cost</u>	\$ -
			<u>Fee</u> 5%	\$ -
			<u>Total Subcontractor w/Fee</u>	\$ -

<u>General Expense</u>	Days	Unit Price	Extension
CHC Daily Rate	1	\$ 140.50	\$ 140.50
		<u>Fee</u> 15%	\$ 21.08
		<u>Total General Expense w/Fee</u>	\$ 161.58

<u>Signature/Approvals</u>	<u>Subtotal</u>	\$ 161.58
	<u>Bonds & Insurance</u> 1.5%	\$ 2.42
<u>CHC Representative</u>	<u>Total Amount w/ B&I</u>	\$ 164.00
<u>Olsson Observer</u>	<u>Days Requested</u>	1

Description	Rate	Note
Project Principal	\$128.00	includes phone, fuel, truck, labor burden
Superintendent	\$123.00	includes phone, fuel, truck, labor burden
Construction Manager	\$123.00	includes phone, fuel, truck, labor burden
Design Manager	\$118.00	includes phone, fuel, truck, labor burden
Pre-Construction Manager	\$113.00	includes phone, fuel, truck, labor burden
CM Project Manager	\$113.00	includes phone, fuel, truck, labor burden
Lead Project Estimator	\$93.00	includes phone, fuel, truck, labor burden
Procurement Manager	\$88.00	includes phone, fuel, truck, labor burden
Safety Director	\$88.00	includes phone, fuel, truck, labor burden
Assistant PM	\$88.00	includes phone, fuel, truck, labor burden
Assistant Superintendent	\$88.00	includes phone, fuel, truck, labor burden
Craft Superintendent	\$88.00	includes phone, fuel, truck, labor burden
Office Engineer	\$78.00	includes phone, fuel, truck, labor burden
Civil Sitework Estimator	\$78.00	includes phone, fuel, truck, labor burden
Field Engineer	\$78.00	includes phone, fuel, truck, labor burden
Craft Foreman	\$ 64.00	includes labor burden
Highly Skilled Operator	\$ 55.00	includes labor burden
Operator	\$ 45.00	includes labor burden
Concrete Finisher	\$ 44.00	includes labor burden
Pipe Fitter	\$ 41.00	includes labor burden
Carpenter	\$ 40.00	includes labor burden
Steel Worker	\$ 36.00	includes labor burden
Skilled Laborer	\$ 36.00	includes labor burden
Laborer	\$ 33.00	includes labor burden

Short Name	Subtype	Size Class	Adjusted Hourly Ownership Cost	Hourly Operating Cost	Standby Cost	Idling Cost	Blue Book Rate
CAT 930K	4-Wd Articulated Wheel Loaders	150 - 174 HP	\$30.78	\$32.26	\$18.78	\$43.23	\$63.04
CAT 950M	4-Wd Articulated Wheel Loaders	225 - 249 HP	\$45.00	\$42.61	\$27.45	\$63.71	\$87.61
Komatsu WA320-5	4-Wd Articulated Wheel Loaders	150 - 174 HP	\$24.09	\$31.72	\$14.69	\$37.51	\$55.81
CAT 140M2	Articulated Frame Graders	170 - 199 HP	\$54.58	\$50.05	\$28.38	\$70.18	\$104.63
CAT 740C EJ	Articulated Rear Dumps	35 MTons & Over	\$84.08	\$70.52	\$43.72	\$109.14	\$154.60
CAT 279D	Compact Track Loaders	1751 - 2200 lbs	\$23.53	\$17.53	\$11.77	\$30.35	\$41.06
CAT 289D	Compact Track Loaders	2501 - 2850 lbs	\$27.34	\$18.47	\$13.67	\$34.16	\$45.81
Power Curbers 5700	Concrete Curb/Gutter/Barrier Slipform Pavers	12,501 - 23,999 lbs	\$27.97	\$35.37	\$16.50	\$34.66	\$63.34
Gomaco GT-3600	Concrete Curb/Gutter/Barrier Slipform Pavers	12,501 - 23,999 lbs	\$63.05	\$49.65	\$37.20	\$72.00	\$112.70
Bid-Well 2450	Concrete Roller/Finisher Pavers	To 76'	\$13.53	\$12.52	\$7.98	\$18.89	\$26.05
Gomaco GP-2600	Concrete Street & Highway Slipform Pavers	55,000 - 96,999 lbs	\$101.10	\$138.29	\$57.63	\$125.97	\$239.39
Gomaco T/C-600	Concrete Texture Curing Machines	All	\$24.51	\$29.14	\$15.69	\$30.84	\$53.65
CAT 308E CR	Crawler Mounted Hydraulic Excavators	8.1 - 10.0 MTons	\$27.79	\$25.06	\$14.45	\$33.70	\$52.85
CAT 321D LCR	Crawler Mounted Hydraulic Excavators	21.1 - 24.0 MTons	\$49.49	\$48.53	\$25.74	\$65.19	\$98.02
CAT 328D LCR	Crawler Mounted Hydraulic Excavators	33.1 - 40.0 MTons	\$65.90	\$66.86	\$34.27	\$87.54	\$132.76
CAT 315D L	Crawler Mounted Hydraulic Excavators	16.1 - 19.0 MTons	\$40.90	\$41.06	\$21.27	\$51.36	\$81.96
CAT 349E L	Crawler Mounted Hydraulic Excavators	50.1 - 66.0 MTons	\$89.22	\$113.02	\$46.40	\$134.12	\$202.24
CAT 336E L	Crawler Mounted Hydraulic Excavators	33.1 - 40.0 MTons	\$71.74	\$78.95	\$37.31	\$102.61	\$150.69
CAT 345C	Crawler Mounted Hydraulic Excavators	40.1 - 50.0 MTons	\$86.48	\$93.38	\$44.97	\$120.54	\$179.86
Manitowoc 777 SERIE	Crawler Mounted Lattice Boom Cranes	150.0 - 200.9 MTons	\$221.71	\$177.95	\$121.94	\$250.05	\$399.66
Terex HC110	Crawler Mounted Lattice Boom Cranes	81.0 - 107.9 MTons	\$97.35	\$85.37	\$53.54	\$116.52	\$182.72
Manitowoc 777 SERIE	Crawler Mounted Lattice Boom Cranes	150.0 - 200.9 MTons	\$221.71	\$177.95	\$121.94	\$250.05	\$399.66
Kobelco CK850	Crawler Mounted Lattice Boom Cranes	68.0 - 80.9 MTons	\$84.75	\$82.54	\$46.61	\$102.51	\$167.29
Grove RT760E	Rough Terrain Hydraulic Cranes	50.0 - 65.9 MTons	\$65.75	\$79.87	\$34.85	\$90.61	\$145.62
Terex RT 670	Rough Terrain Hydraulic Cranes	50.0 - 65.9 MTons	\$72.80	\$76.42	\$38.59	\$95.07	\$149.22
Terex RT 555	Rough Terrain Hydraulic Cranes	50.0 - 65.9 MTons	\$48.07	\$54.68	\$25.48	\$66.09	\$102.75
Terex RT 780	Rough Terrain Hydraulic Cranes	66.0 - 80.9 MTons	\$84.43	\$90.39	\$44.75	\$112.91	\$174.82
Terex RT 780	Rough Terrain Hydraulic Cranes	66.0 - 80.9 MTons	\$84.43	\$90.39	\$44.75	\$112.91	\$174.82
CAT 815F	Self Propelled Pad Foot Compactors	200 - 299 HP	\$75.02	\$66.66	\$39.01	\$102.00	\$141.68
CAT CP-64	Single Drum Vibratory Compactors	12.0 - 14.9 MTons	\$33.44	\$43.23	\$24.08	\$42.83	\$76.67
CAT CS-563D	Single Drum Vibratory Compactors	8.0 - 11.9 MTons	\$24.65	\$40.35	\$17.75	\$34.17	\$65.00
CAT CS-44	Single Drum Vibratory Compactors	5.0 - 7.9 MTons	\$22.09	\$25.35	\$15.90	\$28.39	\$47.44
CAT CP-563D	Single Drum Vibratory Compactors	8.0 - 11.9 MTons	\$26.18	\$41.68	\$18.85	\$35.70	\$67.86
CAT CS-433E	Single Drum Vibratory Compactors	5.0 - 7.9 MTons	\$19.37	\$26.71	\$13.95	\$25.67	\$46.08
CAT CS-56	Single Drum Vibratory Compactors	8.0 - 11.9 MTons	\$26.92	\$39.01	\$19.38	\$36.31	\$65.93
CAT D5K2 XL	Standard Crawler Dozers	85 - 104 HP	\$38.82	\$36.53	\$17.86	\$49.85	\$75.35
CAT D6K XL	Standard Crawler Dozers	105 - 129 HP	\$41.86	\$41.80	\$19.26	\$55.12	\$83.66
CAT D3G	Standard Crawler Dozers	60 - 74 HP	\$21.15	\$26.96	\$9.73	\$28.58	\$48.11
Lull 9.44E-40	Telescoping Boom Rough Terrain Lift Trucks	4.0 - 4.4 MTons	\$32.48	\$28.32	\$13.64	\$40.29	\$60.80
CAT TL642	Telescoping Boom Rough Terrain Lift Trucks	2.71 - 3.0 MTons	\$23.56	\$23.27	\$9.89	\$30.27	\$46.83
Sky Trak 10042	Telescoping Boom Rough Terrain Lift Trucks	4.5 - 4.9 MTons	\$28.78	\$27.94	\$12.09	\$36.59	\$56.72
CAT 420F2 IT	Tractor-Loader-Backhoes	14' to Under 15'	\$23.58	\$22.39	\$12.02	\$32.72	\$45.97
Gomaco 9500	Trimmers	351 HP & Over	\$222.16	\$283.84	\$88.86	\$243.37	\$506.00
Grove TMS9000E	Truck Mounted Hydraulic Cranes---Single Engine	81.0 - 110.9 MTons	\$128.99	\$127.21	\$69.65	\$171.05	\$256.20