

**Racine Water and
Wastewater Utilities**

Keith E. Haas, P.E.
General Manager



Michael L. Gitter, P.E.
Chief of Operations
Kenneth M. Scolaro, C.P.A.
Administrative Manager
Chad W. Regalia, P.E.
Chief Engineer

December 10, 2020

Board of Waterworks Commissioners:

Mayor Cory Mason
Alder John Tate II
Terry McCarthy
Kathleen DeMatthew
Stacy Sheppard
Alder Natalia Taft
James Spangenberg
Kathleen Fischer

SUBJECT: Change Order No. 3 – Contract W-18-6 – Braun Road Water Main

Dear Commissioners:

Submitted for your review and approval is Change Order No. 3 on Contract W-18-6, Braun Road Water Main, Fischer Excavating, Inc. (contractor), a credit in the amount of (\$3,770.86). This change order encompasses quantity changes on numerous bid items.

The original contract amount is \$7,361,460.00. Previous Change Orders decreased the total contract amount to \$7,357,002.28. Change Order No. 3 would increase the total contract amount to \$7,353,231.42. This change order reflects a decrease of 0.11% on the original contract amount.

Sincerely,

A handwritten signature in black ink, appearing to read "K Haas", written over a white background.

Keith Haas
General Manager

KH/eg

December 10, 2020

Mr. Keith E. Haas, P.E.
General Manager
City Hall Annex
Racine Water & Wastewater Utilities
800 Center Street, Room 227
Racine, WI 53403

Re: Braun Road Transmission Water Main Closeout Change Order
Project W-18-6, Segment 1.3

Dear Mr. Haas:

Enclosed, please find closeout Change Order No. 3 for the above mentioned project. The intention of the closeout Change Order is to adjust the Contract Price for Work completed and to set Contract dates.

Prior to submitting the final Application for Payment, we have asked the Contractor to complete or furnish the documents referenced in paragraph 15.06 of the General Conditions and Section 01 78 39 of the Contract Documents. Once these documents have been submitted and reviewed, we will submit the final Application for Payment.

In addition to the documents referenced in paragraph 15.06 of the General Conditions and Section 01 78 39 of the Contract Documents we have asked the Contractor to submit weekly certified payrolls utilizing WisDOT's Civil Rights Compliance System (CRCS) in accordance with the Wisconsin Inclusion Plan requirements as well as submit labor/payroll data to the City of Racine Purchasing Agent for evaluation of compliance with the Racine Works Program included in the Contract Documents.

We have notified the Contractor that prior to the Racine Water Utility issuing the final payment that the weekly certified payrolls will need to be submitted to the WisDOT's CRCS and that labor/payroll data be evaluated for compliance with the Racine Works Program.

If you have any questions on the above, please feel free to contact me at 262-953-3054 or bfischer@ruekert-mielke.com.

Respectfully,

RUEKERT & MIELKE, INC.



Brennen E. Fischer, P.E., CFM
Project Engineer
bfischer@ruekertmielke.com

BEF:sjs
Enclosure

cc: Evelin Garcia, Racine Water & Wastewater Utilities
Mike Gitter, P.E., Racine Water & Wastewater Utilities
Chad Regalia, P.E., Racine Water & Wastewater Utilities
Kenneth R. Ward, P.E., Ruekert & Mielke, Inc.

ANALYSIS OF CLOSEOUT CHANGE ORDER

OWNER: Racine Water & Wastewater Utilities
PROJECT: Braun Road Transmission Main
DATE PREPARED: 12/8/2020

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT \$	ORIGINAL CONTRACT AMOUNT	ACTUAL QUANTITY INSTALLED	FINAL CONTRACT AMOUNT	FINAL DIFFERENCE
1	Mobilization	L.S.	1.00	\$350,000.00	\$ 350,000.00	1.00	\$ 350,000.00	\$ -
2	Traffic control	L.S.	1.00	\$8,800.00	\$ 8,800.00	1.00	\$ 8,800.00	\$ -
3	Silt fence	L.F.	13,000.00	\$2.00	\$ 26,000.00	11,070.00	\$ 22,140.00	\$ (3,860.00)
4	Ditch check	L.F.	720.00	\$10.00	\$ 7,200.00	640.00	\$ 6,400.00	\$ (800.00)
5	Tracking pad	S.F.	2,750.00	\$2.00	\$ 5,500.00	6,699.00	\$ 13,398.00	\$ 7,898.00
6	Inlet sediment guards	EA.	8.00	\$150.00	\$ 1,200.00	6.00	\$ 900.00	\$ (300.00)
7	Temporary seed and mulch	S.Y.	25,500.00	\$0.50	\$ 12,750.00	46,495.00	\$ 23,247.50	\$ 10,497.50
8	Full depth saw cutting	L.F.	3,700.00	\$2.00	\$ 7,400.00	4,436.00	\$ 8,872.00	\$ 1,472.00
9	Tree removal	INCH DIA.	1,460.00	\$20.00	\$ 29,200.00	1,005.20	\$ 20,104.00	\$ (9,096.00)
10	Trench bridging	L.F.	48.00	\$475.00	\$ 22,800.00	0.00	\$ -	\$ (22,800.00)
11	6-inch Water main in slurry backfill	L.F.	10.00	\$155.00	\$ 1,550.00	20.00	\$ 3,100.00	\$ 1,550.00
12	6-inch Water main in granular backfill	L.F.	511.00	\$82.00	\$ 41,902.00	359.40	\$ 29,470.80	\$ (12,431.20)
13	12-inch Water main in granular backfill	L.F.	195.00	\$85.00	\$ 16,575.00	495.80	\$ 42,143.00	\$ 25,568.00
14	16-inch Water main in 30-inch casing pipe bored	L.F.	383.00	\$530.00	\$ 202,990.00	380.00	\$ 201,400.00	\$ (1,590.00)
15	16-inch Water main directional drill	L.F.	90.00	\$305.00	\$ 27,450.00	90.00	\$ 27,450.00	\$ -
16	16-inch Water main in granular backfill	L.F.	0.00	\$110.00	\$ -	1,053.00	\$ 115,830.00	\$ 115,830.00
17	16-inch Water main in spoil backfill	L.F.	4,150.00	\$84.00	\$ 348,600.00	3,016.00	\$ 253,344.00	\$ (95,256.00)
18	20-inch Water main in slurry backfill	L.F.	185.00	\$360.00	\$ 66,600.00	184.00	\$ 66,240.00	\$ (360.00)
19	24-inch Water main directionally drill	L.F.	387.00	\$380.00	\$ 147,060.00	405.00	\$ 153,900.00	\$ 6,840.00
20	24-inch Water main in slurry backfill	L.F.	2,290.00	\$280.00	\$ 641,200.00	1,416.00	\$ 396,480.00	\$ (244,720.00)
21	24-inch Water main in granular backfill	L.F.	3,121.00	\$185.00	\$ 577,385.00	1,358.00	\$ 251,230.00	\$ (326,155.00)
22	24-inch Water main in spoil backfill	L.F.	5,432.00	\$120.00	\$ 651,840.00	7,633.50	\$ 916,020.00	\$ 264,180.00
23	36-inch Water main in 48-inch casing pipe bored	L.F.	141.00	\$1,036.00	\$ 146,076.00	303.00	\$ 313,908.00	\$ 167,832.00
24	36-inch Water main in granular backfill	L.F.	5,381.00	\$363.00	\$ 1,953,303.00	6,140.00	\$ 2,228,820.00	\$ 275,517.00
25	36-inch Water main in spoil backfill	L.F.	2,400.00	\$280.00	\$ 672,000.00	2,003.00	\$ 560,840.00	\$ (111,160.00)
26	Hydrant assembly including anchor tee	EA.	24.00	\$8,500.00	\$ 204,000.00	27.00	\$ 229,500.00	\$ 25,500.00
27	Hydrant valves	EA.	24.00	\$1,250.00	\$ 30,000.00	25.00	\$ 31,250.00	\$ 1,250.00
28	6-inch Gate valves	EA.	1.00	\$1,250.00	\$ 1,250.00	0.00	\$ -	\$ (1,250.00)
29	12-inch Butterfly valves	EA.	7.00	\$3,200.00	\$ 22,400.00	11.00	\$ 35,200.00	\$ 12,800.00
30	16-inch Butterfly valves	EA.	5.00	\$3,170.00	\$ 15,850.00	5.00	\$ 15,850.00	\$ -
31	20-inch Butterfly valves	EA.	1.00	\$4,220.00	\$ 4,220.00	2.00	\$ 8,440.00	\$ 4,220.00
32	24-inch Butterfly valves	EA.	10.00	\$7,330.00	\$ 73,300.00	8.00	\$ 58,640.00	\$ (14,660.00)
33	36-inch Butterfly valves	EA.	6.00	\$14,000.00	\$ 84,000.00	7.00	\$ 98,000.00	\$ 14,000.00
34	Remove and replace concrete curb and gutter	L.F.	50.00	\$70.00	\$ 3,500.00	120.00	\$ 8,400.00	\$ 4,900.00
35	Asphaltic concrete binder course	Ton	340.00	\$167.00	\$ 56,780.00	815.72	\$ 136,225.24	\$ 79,445.24
36	Asphaltic concrete surface course	Ton	210.00	\$124.00	\$ 26,040.00	643.15	\$ 79,750.60	\$ 53,710.60
37	4-inch White pavement marking	L.F.	930.00	\$1.00	\$ 930.00	784.00	\$ 784.00	\$ (146.00)
38	4-inch Yellow pavement marking	L.F.	1,800.00	\$1.00	\$ 1,800.00	1,916.00	\$ 1,916.00	\$ 116.00
39	Crushed aggregate driveway replacement	S.F.	3,350.00	\$2.00	\$ 6,700.00	7,676.00	\$ 15,352.00	\$ 8,652.00
40	3-inch Asphalt driveway replacement	S.F.	2,500.00	\$6.00	\$ 15,000.00	2,290.00	\$ 13,740.00	\$ (1,260.00)
41	5-inch Concrete driveway replacement	S.F.	900.00	\$13.00	\$ 11,700.00	272.00	\$ 3,536.00	\$ (8,164.00)
42	Crushed aggregate shoulders	L.F.	6,100.00	\$6.00	\$ 36,600.00	9,472.00	\$ 56,832.00	\$ 20,232.00
43	Topsoil, seed, fertilizer and mulch	S.Y.	14,170.00	\$4.00	\$ 56,680.00	21,218.00	\$ 84,872.00	\$ 28,192.00
44	12-inch CMCP	L.F.	180.00	\$55.00	\$ 9,900.00	135.00	\$ 7,425.00	\$ (2,475.00)
45	12-inch Medial end sections	EA.	14.00	\$280.00	\$ 3,920.00	8.00	\$ 2,240.00	\$ (1,680.00)
46	15-inch CMCP	L.F.	93.00	\$41.00	\$ 3,813.00	0.00	\$ -	\$ (3,813.00)
47	15-inch Medial end sections	EA.	6.00	\$272.00	\$ 1,632.00	0.00	\$ -	\$ (1,632.00)
48	Temporary precast concrete barrier	L.F.	500.00	\$50.00	\$ 25,000.00	150.00	\$ 7,500.00	\$ (17,500.00)
49	Detector wire and locator box for water main	EA.	24.00	\$126.00	\$ 3,024.00	13.00	\$ 1,638.00	\$ (1,386.00)
50	15 lb. Magnesium anodes	EA.	73.00	\$90.00	\$ 6,570.00	381.00	\$ 34,290.00	\$ 27,720.00
51	32 lb. Magnesium anodes	EA.	87.00	\$150.00	\$ 13,050.00	5.00	\$ 750.00	\$ (12,300.00)
52	Valve vault MH	EA.	1.00	\$3,050.00	\$ 3,050.00	1.00	\$ 3,050.00	\$ -

ANALYSIS OF CLOSEOUT CHANGE ORDER

OWNER: Racine Water & Wastewater Utilities
PROJECT: Braun Road Transmission Main
DATE PREPARED: 12/8/2020

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT \$	ORIGINAL CONTRACT AMOUNT	ACTUAL QUANTITY INSTALLED	FINAL CONTRACT AMOUNT	FINAL DIFFERENCE
53	Hydrant removal	EA.	1.00	\$770.00	\$ 770.00	1.00	\$ 770.00	\$ -
54	2-inch Air release valves	EA.	7.00	\$2,800.00	\$ 19,600.00	4.00	\$ 11,200.00	\$ (8,400.00)
55	36-inch Casing pipe installed in open cut	L.F.	120.00	\$188.00	\$ 22,560.00	0.00	\$ -	\$ (22,560.00)
56	Asphaltic concrete trench patch	S.Y.	400.00	\$90.00	\$ 36,000.00	122.00	\$ 10,980.00	\$ (25,020.00)
57	SOO Line Railroad Company d/b/a/ Canadian Pacific Flagmen (Allowance)	L.S.	1.00	\$7,500.00	\$ 7,500.00	1.04	\$ 7,800.00	\$ 300.00
58	Union Pacific Flagmen	L.S.	1.00	\$7,500.00	\$ 7,500.00	3.17	\$ 23,775.00	\$ 16,275.00
59	Timber Mats	S.F.	4,000.00	\$10.00	\$ 40,000.00	0.00	\$ -	\$ (40,000.00)
60	Inlet reconstruction	EA.	1.00	\$1,750.00	\$ 1,750.00	0.00	\$ -	\$ (1,750.00)
61	Water main offset (Allowance)	L.S.	1.00	\$100,000.00	\$ 100,000.00	1.14	\$ 114,000.00	\$ 14,000.00
62	12-inch Water main in slurry backfill	L.F.	490.00	\$320.00	\$ 156,800.00	420.00	\$ 134,400.00	\$ (22,400.00)
63	24-inch Water main in 36-inch casing pipe bored	L.F.	124.00	\$1,033.00	\$ 128,092.00	0.00	\$ -	\$ (128,092.00)
SUBTOTAL OF ORIGINAL CONTRACT ITEMS					\$ 7,199,662.00		\$ 7,241,143.14	\$ 41,481.14
ADDITIONAL ITEMS								
CO-2-1	Move topsoil on water main running line due to WisDOT construction	L.S.	1.00	\$ 23,493.00	\$ 23,493.00	1.00	\$ 23,493.00	
CO-2-2	Seasonal rate charges for slurry mix request dated 1/29/2019	L.S.	1.00	\$ 12,730.20	\$ 12,730.20	1.00	\$ 12,730.20	
CO-2-3	Seasonal rate charges for slurry mix request dated 5/13/2019	L.S.	1.00	\$ 7,820.40	\$ 7,820.40	1.00	\$ 7,820.40	
CO-2-4	Additional traffic control, excavation, and concrete pavement at the northeast corner of Braun Road and CTH H due to WisDOT road widening	L.S.	1.00	\$ 19,251.89	\$ 19,251.89	1.00	\$ 19,251.89	
CO-2-5	Concrete trench patch for 20-inch water main crossing	L.S.	1.00	\$ 2,157.48	\$ 2,157.48	1.00	\$ 2,157.48	
CO-2-6	Drain tile repair and exploratory excavation East of the Pike River	L.S.	1.00	\$ 7,513.25	\$ 7,513.25	1.00	\$ 7,513.25	
CO-2-7	Repair of approximately 600-feet of drain tile along edge of water main trench	L.S.	1.00	\$ 7,730.76	\$ 7,730.76	1.00	\$ 7,730.76	
CO-2-8	Exploratory excavation of recently installed high pressure gas line	L.S.	1.00	\$ 3,501.00	\$ 3,501.00	1.00	\$ 3,501.00	
CO-2-9	Railroad crossing pavement marking	EA.	1.00	\$ 500.00	\$ 500.00	1.00	\$ 500.00	
CO-2-10	Pavement removal, excavation, and installation of aggregate base course	L.S.	1.00	\$ 27,390.30	\$ 27,390.30	1.00	\$ 27,390.30	
CO-2-11	Deduct 550 L.F. to Bid Item 21, 24-inch Water main in granular backfill	L.F.	-550.00	\$ 185.00	\$ (101,750.00)	0.00	\$ -	
CO-2-12	Add 124 L.F. to Bid Item 23, 36-inch Water main in 48-inch casing pipe bored	L.F.	124.00	\$ 1,036.00	\$ 128,464.00	0.00	\$ -	
CO-2-13	Add 550 L.F. to Bid Item 24, 36-inch Water main in granular backfill	L.F.	550.00	\$ 363.00	\$ 199,650.00	0.00	\$ -	
CO-2-14	Deduct 2 EA. to Bid Item 32, 24-inch Butterfly valves	EA.	-2.00	\$ 7,330.00	\$ (14,660.00)	0.00	\$ -	
CO-2-15	Add 1 EA. to Bid Item 33, 36-inch Butterfly valves	EA.	1.00	\$ 14,000.00	\$ 14,000.00	0.00	\$ -	
CO-2-16	Deduct 350 L.F. to Bid Item 48, Temporary precast concrete barrier	L.F.	-350.00	\$ 50.00	\$ (17,500.00)	0.00	\$ -	
CO-2-17	Deduct 82 EA. to Bid Item 51, 32 lb. Magnesium anodes	EA.	-82.00	\$ 150.00	\$ (12,300.00)	0.00	\$ -	
CO-2-18	Deduct 120 L.F. to Bid Item 55, 36-inch Casing pipe installed in open cut	L.F.	-120.00	\$ 188.00	\$ (22,560.00)	0.00	\$ -	
CO-2-19	Deduct 124 L.F. to Bid Item 63, 24-inch Water main in 36-inch casing pipe bored	L.F.	-124.00	\$ 1,033.00	\$ (128,092.00)	0.00	\$ -	
SUBTOTAL OF ADDITIONAL ITEMS					\$ 157,340.28		\$ 112,088.28	\$ (3,770.86)
GRAND TOTALS:					\$ 7,357,002.28		\$ 7,353,231.42	\$ (3,770.86)

ORIGINAL CONTRACT AMOUNT	\$ 7,361,460.00
EXECUTED CHANGE ORDER(S)	(\$ 4,457.72)
CONTRACT PRICE PRIOR TO THIS CLOSEOUT CHANGE ORDER	\$ 7,357,002.28
AMOUNT EARNED ON ORIGINAL CONTRACT ITEMS	\$ 7,241,143.14
AMOUNT EARNED ON OTHER ITEMS	\$ 112,088.28
TOTAL AMOUNT EARNED	\$ 7,353,231.42
TOTAL AMOUNT EARNED	\$ 7,353,231.42
LESS CONTRACT PRICE PRIOR TO THIS CLOSEOUT CHANGE ORDER	(\$ 7,357,002.28)
CLOSEOUT CHANGE ORDER AMOUNT	(\$ 3,770.86)