F17b

City of Hiawatha

Engineering Department

101 Emmons St., Hiawatha Iowa, 52233-1697
PHONE (319) 393-1515 ext. 511 FAX (319) 393-1516

To: Mayor and City Council **Date:** August 28, 2018

From: John C Bender PE, City Engineer

Re: Emmons Street/NCPR/Robins Road Phase II Roadway Package

Description: Change Order No. 8 (Balancing Change Order)

Report:

Change Order #8: This change order #8 adjust all 72 bid items in the contract to the final measured quantities. All items were measured as adjusted in the field and the final quantities are itemized in the attached spreadsheet. The final adjusted quantities and costs total a deduction of **$72,821.33.** With this change order, the entire project final cost is approximately 2% under the original contract cost.

Engineering recommends approval of change order No 8 for a cost deduction of **$72,821.33.**

If you need any further information, please let me know.

CHANGE ORDER NO. 8
Balancing Change Order

PROJECT: EMMONS STREET/NORTH CENTER POINT ROAD/ROBINS ROAD INTERSECTION IMPROVEMENTS PHASE II-ROADWAY PACKAGE

DATE: August 21, 2018

CONTRACTOR: Rathje Construction
Marion, Iowa

ORIGINAL CONTRACT AMOUNT: $ 2,813,734.76

ORIGINAL CONTRACT COMPLETION DATE: November 1, 2017

ITEM #1.15: **ADD NEW ITEM-** Change order #8 to balance items #1 through item #72 to the final measured qualities itemized on attached balance sheet. Lump sum cost of ($72,821.33)

CHANGES IN SCHEDULE: No additional time change for this change order.

CHANGE ORDER No. 8 SUMMARY:

Item No.	Description	Unit	Unit Price	Quantity	Total Amount
1.15	Balancing change order items #1 through #72	LS	($72,821.23)	1	($72,821.33)
				Subtotal:	($72,821.33)

Change Order No. 8 Cost: ($72,821.33)

Rathje Construction

By: Mary L Rathje

Title: Secretary

Date: 8-28-2018

Attest

By: _____

Title: _____

Date: _____

City of Hiawatha, Iowa

By: _____

Title: _____

Date: _____

Balancing Change Order #8

Project: EMMONS STREET / NORTH CENTER POINT ROAD / ROBINS ROAD INTERSECTION INTERSECTION IMPROVEMENTS, PHASE 2 - ROAD
HIAWATHA, LINN COUNTY , IOWA
Contractor: Rathje Construction
Engineer: Shive Hattery INC.
Revised Contract Amount: $2,813,734.76
Date: August 21, 2018

Item	Item Description	Units	Bid Quantities	Bid Prices		Final Quantities and Costs			Final Quantities and Costs	
				Unit Price	Total	Quantity	Amount	% Complete	Quantity	Amount
1	MOBILIZATION	LS	1.00	$243,000.00	$243,000.00	1.00	$243,000.00	100.00%	0.00	$0.00
2	CONSTRUCTION SURVEY	LS	1.00	$19,550.00	$19,550.00	1.00	$19,550.00	100.00%	0.00	$0.00
3	TRENCH COMPACTION TESTING	LS	1.00	$1,200.00	$1,200.00	1.00	$1,200.00	100.00%	0.00	$0.00
4	SUBGRADE AND SUBBASE COMPACTION TESTING	LS	1.00	$2,850.00	$2,850.00	1.00	$2,850.00	100.00%	0.00	$0.00
5	CONCRETE MATURITY TESTING FOR PCC PAVEMENT	LS	1.00	$1,100.00	$1,100.00	1.00	$1,100.00	100.00%	0.00	$0.00
6	TRAFFIC CONTROL	LS	1.00	$19,750.00	$19,750.00	1.00	$19,750.00	100.00%	0.00	$0.00
7	TEMPORARY PAVEMENT MARKINGS AND SYMBOLS	LS	1.00	$9,500.00	$9,500.00	1.00	$9,500.00	100.00%	0.00	$0.00
8	TEMPORARY ROADWAY SURFACES	SY	1,884.00	$41.50	$78,186.00	1,611.55	$66,879.33	85.54%	(272.45)	($11,306.68)
9	FILTER SOCKS	LF	2,566.00	$2.50	$6,415.00	2,858.00	$7,145.00	111.38%	292.00	$730.00
10	FILTER SOCKS AT STORM SEWER STRUCTURES	EA	32.00	$100.00	$3,200.00	14.00	$1,400.00	43.75%	(18.00)	($1,800.00)
11	CLEARING AND GRUBBING	LS	1.00	$4,200.00	$4,200.00	1.00	$4,200.00	100.00%	0.00	$0.00
12	REMOVAL. OF EXIST.PAVT. & CURB AND GUTTER	SY	15,697.00	$7.40	$116,157.80	16,073.33	$118,942.64	102.40%	376.33	$2,784.84
13	REMOVAL OF EXISTING SIDEWALK	SY	1,692.00	$8.50	$14,382.00	1,518.22	$12,904.87	89.73%	(173.78)	($1,477.13)
14	REMOVAL OF EXISTING RETAINING WALL	LF	92.00	$14.00	$1,288.00	92.00	$1,288.00	100.00%	0.00	$0.00
15	REMOVAL OF EXIST. STORM SEWERS STRUCTURES	EA	18.00	$250.00	$4,500.00	17.00	$4,250.00	94.44%	(1.00)	($250.00)
16	REMOVAL OF STORM SEWER AND CULVERT PIPE	LF	1,389.00	$10.00	$13,890.00	1,413.00	$14,130.00	101.73%	24.00	$240.00
17	REMOVAL OF SANITARY SEWER STRUCTURES	EA	1.00	$450.00	$450.00	1.00	$450.00	100.00%	0.00	$0.00
18	REMOVAL OF SANITARY SEWER PIPE	LF	411.00	$10.00	$4,110.00	205.50	$2,055.00	50.00%	(205.50)	($2,055.00)
19	REMOVAL OF EXISTING WATER MAIN	LF	625.00	$10.00	$6,250.00	290.00	$2,900.00	46.40%	(335.00)	($3,350.00)
20	REMOVAL OF EXISTING PAVEMENT MARKINGS	LS	1.00	$3,800.00	$3,800.00	1.00	$3,800.00	100.00%	0.00	$0.00
21	REMOVAL OF TRAFFIC CONTROL SIGNS	EA	20.00	$65.00	$1,300.00	20.00	$1,300.00	100.00%	0.00	$0.00
22	REMOVAL OF TRAFFIC SIGNAL	LS	1.00	$3,000.00	$3,000.00	1.00	$3,000.00	100.00%	0.00	$0.00
23	UNCLASSIFIED EXCAVATION AND EMBANKMENT	CY	4,286.00	$15.75	$67,504.50	4,286.00	$67,504.50	100.00%	0.00	$0.00
24	STRIP AND RESPREAD TOPSOIL	CY	525.00	$33.00	$17,325.00	525.00	$17,325.00	100.00%	0.00	$0.00
25	SUBGRADE STABILIZATION WITH CRUSHED ROCK MATERIAL	CY	750.00	$42.50	$31,875.00	248.23	$10,549.78	33.10%	(501.77)	($21,325.23)
26	GEOGRID	SY	13,148.00	$1.50	$19,722.00	12,712.60	$19,068.90	96.69%	(435.40)	($653.10)
27	MODIFIED SUBBASE, 8"	SY	13,148.00	$8.50	$111,758.00	12,712.60	$108,057.10	96.69%	(435.40)	($3,700.90)
28	MODIFIED SUBBASE, 6"	SY	2,147.00	$8.50	$18,249.50	2,062.46	$17,530.91	96.06%	(84.54)	($718.59)
29	MODIFIED SUBBASE, 4"	SY	2,176.00	$5.75	$12,512.00	2,680.06	$15,410.35	123.16%	504.06	$2,898.35
30	STORM SEWER, HDPE, 12"	LF	132.00	$27.75	$3,663.00	133.00	$3,690.75	100.76%	1.00	$27.75
31	STORM SEWER, RCP, 15"	LF	1,163.00	$56.25	$65,418.75	564.50	$31,753.13	48.54%	(598.50)	($33,665.63)
32	STORM SEWER, RCP, 18"	LF	410.00	$49.00	$20,090.00	564.00	$27,636.00	137.56%	154.00	$7,546.00
33	STORM SEWER, RCP, 24"	LF	271.00	$75.00	$20,325.00	260.00	$19,500.00	95.94%	(11.00)	($825.00)
34	STORM SEWER, RCP, 30"	LF	75.00	$90.00	$6,750.00	75.00	$6,750.00	100.00%	0.00	$0.00
35	SUBDRAIN, 6"	LF	3,369.00	$13.00	$43,797.00	3,007.00	$39,091.00	89.25%	(362.00)	($4,706.00)
36	SUBDRAIN CLEANOUT	EA	9.00	$1,125.00	$10,125.00	7.00	$7,875.00	77.78%	(2.00)	($2,250.00)
37	STORM SEWER MANHOLES, SW-401, 48"	EA	4.00	$2,125.00	$8,500.00	2.00	$4,250.00	50.00%	(2.00)	($4,250.00)
38	STORM SEWER MANHOLES, SW-401, 60"	EA	2.00	$3,100.00	$6,200.00	2.00	$6,200.00	100.00%	0.00	$0.00
39	STORM SEWER MANHOLES, SW-401, 84"	EA	1.00	$4,675.00	$4,675.00	1.00	$4,675.00	100.00%	0.00	$0.00
40	STORM SEWER INTAKE, SW-501	EA	1.00	$2,375.00	$2,375.00	3.00	$7,125.00	300.00%	2.00	$4,750.00
41	STORM SEWER INTAKE, SW-505	EA	1.00	$3,500.00	$3,500.00	1.00	$3,500.00	100.00%	0.00	$0.00
42	STORM SEWER INTAKE, SW-508	EA	7.00	$3,000.00	$21,000.00	5.00	$15,000.00	71.43%	(2.00)	($6,000.00)
43	STORM SEWER INTAKE, SW-510	EA	3.00	$3,700.00	$11,100.00	3.00	$11,100.00	100.00%	0.00	$0.00
44	STORM SEWER INTAKE, SW-512	EA	1.00	$1,100.00	$1,100.00	1.00	$1,100.00	100.00%	0.00	$0.00
45	STORM SEWER INTAKE, SW-541	EA	1.00	$4,900.00	$4,900.00	2.00	$9,800.00	200.00%	1.00	$4,900.00
46	CONNECTION TO STORM SEWER STRUCTURES	EA	4.00	$500.00	$2,000.00	4.00	$2,000.00	100.00%	0.00	$0.00
47	ADJUSTMENT OF EXISTING STRUCTURES	EA	6.00	$225.00	$1,350.00	6.00	$1,350.00	100.00%	0.00	$0.00
48	VALVE BOX ADJUSTMENT	EA	23.00	$225.00	$5,175.00	23.00	$5,175.00	100.00%	0.00	$0.00
49	PCC PAVEMENT, CLASS C, 7"	SY	418.00	$47.45	$19,834.10	379.60	$18,012.02	90.81%	(38.40)	($1,822.08)
50	PCC PAVEMENT, CLASS C,8"	SY	4,850.00	$43.04	$208,744.00	4,691.66	$201,929.05	96.74%	(158.34)	($6,814.95)
51	PCC PAVEMENT, CLASS C, 9"	SY	5,928.00	$48.40	$286,915.20	5,831.16	$282,228.14	98.37%	(96.84)	($4,687.06)
52	PCC DRIVEWAY, CLASS M, 6"	SY	1,752.00	$34.97	$61,267.44	1,102.29	$38,547.08	62.92%	(649.71)	($22,720.36)
53	PCC SIDEWALK, 4"	SY	994.00	$33.00	$32,802.00	997.15	$32,905.95	100.32%	3.15	$103.95
54	PCC TRAIL, 6"	SY	2,176.00	$35.75	$77,792.00	2,283.87	$81,648.35	104.96%	107.87	$3,856.35
55	PCC SIDEWALK RAMP	SY	32.00	$54.66	$1,749.12	42.43	$2,319.22	132.59%	10.43	$570.10
56	COLORED CROSSWALK PAVEMENT, CLASS C,9"	SY	271.00	$98.00	$26,558.00	244.62	$23,972.76	90.27%	(26.38)	($2,585.24)
57	COLORED SIDEWALK PAVEMENT, 6"	SY	501.00	$75.00	$37,575.00	452.17	$33,912.75	90.25%	(48.83)	($3,662.25)
58	COLORED INTERSECTION PAVEMENT, CLASS C, 9"	SY	687.00	$110.00	$75,570.00	616.95	$67,864.50	89.80%	(70.05)	($7,705.50)
59	HMA DRIVEWAY, 6"	SY	343.00	$48.00	$16,464.00	339.70	$16,305.60	99.04%	(3.30)	($158.40)
60	PAVEMENT MARKINGS, PAINTED	STA.	125.00	$60.00	$7,500.00	397.62	$23,857.20	318.10%	272.62	$16,357.20
61	PAVEMENT SYMBOLS, PAINTED	EA	23.00	$80.00	$1,840.00	99.00	$7,920.00	430.43%	76.00	$6,080.00
62	HYDROSEEDING WITH LIQUID MULCH BINDER	SY	6,255.00	$1.00	$6,255.00	12,918.67	$12,918.67	206.53%	6663.67	$6,663.67
63	IMPORTED TOPSOIL	CY	800.00	$46.20	$36,960.00	1,378.47	$63,685.31	172.31%	578.47	$26,725.31
64	SODDING	SY	4,333.00	$7.00	$30,331.00	3,615.98	$25,311.86	83.45%	(717.02)	($5,019.14)
65	ROCK MULCH	SY	922.00	$9.00	$8,298.00	1,018.15	$9,163.35	110.43%	96.15	$865.35
66	TREE PLANTING, PER PLANS	EA	41.00	$450.00	$18,450.00	40.00	$18,000.00	97.56%	(1.00)	($450.00)
67	SHRUB & GRASS PLANTING, PER PLANS	EA	1,539.00	$15.15	$23,315.85	1,280.00	$19,392.00	83.17%	(259.00)	($3,923.85)
68	LANDSCAPE IRRIGATION	LS	1.00	$64,400.00	$64,400.00	1.00	$64,400.00	100.00%	0.00	$0.00
69	LIGHTED BOLLARD	EA	16.00	$567.10	$9,073.60	16.00	$9,073.60	100.00%	0.00	$0.00
70	STREET LIGHTING SYSTEM	LS	1.00	$413,586.60	$413,586.60	1.00	$413,586.60	100.00%	0.00	$0.00
71	TRAFFIC SIGNAL, PER PLAN	LS	1.00	$267,358.10	$267,358.10	1.00	$267,358.10	100.00%	0.00	$0.00
72	PAVER EDGING	LF	362.00	$5.60	$2,027.20	355.19	$1,989.06	98.12%	(6.81)	($38.14)
	COMPUTED TOTAL BID (ITEMS 1 THROUGH 72) =			$2,813,734.76		$2,740,913.43		97.41%	($72,821.33)	

DRAFT

RESOLUTION NO. 18-
City Council

RESOLUTION APPROVING (BALANCING) CHANGE ORDER #8
2016-2017 Emmons Street/North Center Point Road/Robins Road Intersection Improvements Phase 2 Roadway Package Project
(Project #2151330)

WHEREAS, the City Council of the City of Hiawatha, Iowa, has contracted for the 2016-2017 Emmons Street/North Center Point Road/Robins Road Intersection Improvements Phase 2 Roadway Package Project with Rathje Construction Co., of Marion, Iowa, and

WHEREAS, the City Engineer has recommended (Balancing) Change Order #8 for the adjustment of contract quantities to the final measured amounts to develop the final contract price with a decrease of ($72,821.33), for the Emmons Street/North Center Point Road/Robins Road Intersection Improvements Phase 2 Roadway Package Project with Rathje Construction Co., of Marion, Iowa, and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, to approve (Balancing) Change Order #8 for the 2016-2017 Emmons Street/North Center Point Road/Robins Road Intersection Improvements Phase 2 Roadway Package Project with Rathje Construction Co., of Marion, Iowa, with a decrease in contract amount of ($72,821.33).

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 5th day of September, 2018.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk