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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 29, 2018**

From: John Bender PE, City Engineer

Re: Emmons Street/North center Point Road/Robins Road Intersection Improvements Phase II

Description: Approval of Pay Application No. 14 (FINAL)

Report:

See attached partial payment No.14 (FINAL) to Rathje Construction for the Emmons Street/North Center point Road/Robins Road Intersection Improvements Phase II. This payment is for work completed and the project is substantially complete. The project is ready for final acceptance by the Council. The total cost of the project is $$2,772,608.88. This amount is approximately 2% under the original contract.

Recommendation:

Engineering recommends approval of Partial Payment No. 14 (FINAL) to Rathje Construction Inc. in the amount of $ $35,750.21 at this time. After the 30 day waiting period, the final 5% retainage can be released providing no claims have been filed with the City Clerk. That amount to be released is $$138,630.43.

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

APPLICATION FOR PAYMENT
APPLICATION NO.14-FINAL

Project: EMMONS STREET / NORTH CENTER POINT ROAD / ROBINS ROAD INTERSECTION IMPROVEMENTS, PHASE 2 - ROADWAY PACKAGE
HIAWATHA, LINN COUNTY , IOWA

Contracto RATHJE CONSTRUCTION
305 4th Street
Marion, IA 52302

Owner: City of Hiawatha, Iowa

Original Contract Amount: $2,813,734.76

Revised Contract Amount: $2,772,608.66

Date: August 21, 2108

The Contractor noted above, in accordance with the provisions of the contract documents, hereby requests approval of this application for payment on the

Original Contract		$ 2,813,734.76
Materials Stored On Site		$0.00

Change Orders:

Change Order No.	Date Approved	Amount
1	July 19, 2017	$ 13,101.50
2	July 19, 2017	$7,310.00
3	August 2, 2017	$ 7,150.00
4	September 20, 2017	$ 11,593.73
5	November 21, 2017	$ 3,410.00
6	February 21, 2018	$2,500.00
7	September 5, 2018	$6,250.00
8	September 5, 2018	$72,821.33
ıl Change In Contract Amount from Change Orders		$41,126.10

Total Change Order Work Completed		$41,126.10
Total Complete and Stored to Date		$ 2,772,608.66
Retainage	5%	$ 138,630.43
Total Complete and Stored to Date Less Retainage		$ 2,633,978.23
Less Previous Payments		$ 2,598,228.02
Current Payment Due		$ 35,750.21

CONTRACTOR'S CERTIFICATION:

The undersigned Contractor certifies, to the best of the Contractor's knowledge, that the above information and estimated values of completed

Contractor's Authorized Representative:

By: Mary H. Rathje, Sec Date: 8-28-2018

ENGINEER'S/ARCHITECT'S RECOMMENDATION:

In accordance with the provisions of the Contract Documents and based on the Engineer's/Architect's on-site observations of the work included in this Application for

Engineer's/Architect's Authorized Representative:

By: _____ Date: 8-28-2018

CITY OF HIAWATHA PAYMENT RECOMMENDATION:

Payment to the Contractor is hereby recommended based

City of Hiawatha Authorized Representative:

By: _____ Date: _____

ATTACHMENTS REQUIRED:

1. Line Item Schedule of Contract Values Summary,
2. Line Item Schedule of Contra

ACCOUNTING USE ONLY:

_____-_____-_____ $_____
_____-_____-_____ $_____
_____-_____-_____ $_____
_____-_____-_____ $_____
_____-_____-_____ $_____
_____-_____-_____ $_____

APPLICATION FOR PAYMENT
APPLICATION NO. 14-FINAL

Project: EMMONS STREET / NORTH CENTER POINT ROAD / ROBINS ROAD INTERSECTION INTERSECTION IMPROVEMENTS, PHASE 2 - ROADWAY PACKAGE
HIAWATHA, LINN COUNTY, IOWA
Contractor: Rathje Construction
Engineer: Shive Hattery INC
Revised Contract Amount: $2,813,734.76
Date: December 1, 2017

Item	Item Description	Units	Bid Quantities	Bid Prices		Pay Applications through PA 13 February		This Period PA 14 - May 2018		To Date		
				Unit Price	Total	Quantity	Amount	Quantity	Amount	Quantity	Amount	% Complete
1	MOBILIZATION	LS	1.00	$243,000.00	$243,000.00	1.00	$243,000.00	0.00	$0.00	1.00	$243,000.00	100.00%
2	CONSTRUCTION SURVEY	LS	1.00	$19,550.00	$19,550.00	1.00	$19,550.00	0.00	$0.00	1.00	$19,550.00	100.00%
3	TRENCH COMPACTION TESTING	LS	1.00	$1,200.00	$1,200.00	1.00	$1,200.00	0.00	$0.00	1.00	$1,200.00	100.00%
4	SUBGRADE AND SUBBASE COMPACTION TESTING	LS	1.00	$2,850.00	$2,850.00	1.00	$2,850.00	0.00	$0.00	1.00	$2,850.00	100.00%
5	CONCRETE MATURITY TESTING FOR PCC PAVEMENT	LS	1.00	$1,100.00	$1,100.00	1.00	$1,100.00	0.00	$0.00	1.00	$1,100.00	100.00%
6	TRAFFIC CONTROL	LS	1.00	$19,750.00	$19,750.00	1.00	$19,750.00	0.00	$0.00	1.00	$19,750.00	100.00%
7	TEMPORARY PAVEMENT MARKINGS AND SYMBOLS	LS	1.00	$9,500.00	$9,500.00	1.00	$9,500.00	0.00	$0.00	1.00	$9,500.00	100.00%
8	TEMPORARY ROADWAY SURFACES	SY	1,884.00	$41.50	$78,186.00	1,611.55	$66,870.33	0.00	$0.00	1,611.55	$66,870.33	85.54%
9	FILTER SOCKS	LF	2,566.00	$2.50	$6,415.00	2,708.00	$6,770.00	147.00	$375.00	2,856.00	$7,145.00	111.38%
10	FILTER SOCKS AT STORM SEWER STRUCTURES	EA	32.00	$100.00	$3,200.00	14.00	$1,400.00	0.00	$0.00	14.00	$1,400.00	43.75%
11	CLEARING AND GRUBBING	LS	1.00	$4,200.00	$4,200.00	1.00	$4,200.00	0.00	$0.00	1.00	$4,200.00	100.00%
12	REMOVAL OF EXIST PAVT. & CURB AND GUTTER	SY	15,647.00	$7.40	$116,157.80	16,073.33	$118,942.64	0.00	$0.00	16,073.33	$118,942.64	102.40%
13	REMOVAL OF EXISTING SIDEWALK	SY	1,692.00	$8.50	$14,382.00	1,518.22	$12,904.87	0.00	$0.00	1,518.22	$12,904.87	89.73%
14	REMOVAL OF EXISTING RETAINING WALL	LF	92.00	$14.00	$1,288.00	92.00	$1,288.00	0.00	$0.00	92.00	$1,288.00	100.00%
15	REMOVAL OF EXIST. STORM SEWERS STRUCTURES	EA	18.00	$250.00	$4,500.00	17.00	$4,250.00	0.00	$0.00	17.00	$4,250.00	94.44%
16	REMOVAL OF STORM SEWER AND CULVERT PIPE	LF	1,389.00	$10.00	$13,890.00	1,413.00	$14,130.00	0.00	$0.00	1,413.00	$14,130.00	101.73%
17	REMOVAL OF SANITARY SEWER STRUCTURES	EA	1.00	$450.00	$450.00	1.00	$450.00	0.00	$0.00	1.00	$450.00	100.00%
18	REMOVAL OF SANITARY SEWER PIPE	LF	411.00	$10.00	$4,110.00	205.50	$2,055.00	0.00	$0.00	205.50	$2,055.00	50.00%
19	REMOVAL OF EXISTING WATER MAIN	LF	825.00	$10.00	$8,250.00	290.00	$2,900.00	0.00	$0.00	290.00	$2,900.00	46.40%
20	REMOVAL OF EXISTING PAVEMENT MARKINGS	LS	1.00	$3,800.00	$3,800.00	1.00	$3,800.00	0.00	$0.00	1.00	$3,800.00	100.00%
21	REMOVAL OF TRAFFIC CONTROL SIGNS	EA	20.00	$65.00	$1,300.00	20.00	$1,300.00	0.00	$0.00	20.00	$1,300.00	100.00%
22	REMOVAL OF TRAFFIC SIGNAL	LS	1.00	$3,000.00	$3,000.00	1.00	$3,000.00	0.00	$0.00	1.00	$3,000.00	100.00%
23	UNCLASSIFIED EXCAVATION AND EMBANKMENT	CY	4,286.00	$15.75	$67,504.50	4,286.00	$67,504.50	0.00	$0.00	4,286.00	$67,504.50	100.00%
24	STRIP AND RESPREAD TOPSOIL	CY	525.00	$33.00	$17,325.00	525.00	$17,325.00	0.00	$0.00	525.00	$17,325.00	100.00%
25	SUBGRADE STABILIZATION WITH CRUSHED ROCK MATERIAL	CY	750.00	$42.50	$31,875.00	248.23	$10,549.78	0.00	$0.00	248.23	$10,549.78	33.10%
26	GEOGRID	SY	13,148.00	$1.50	$19,722.00	12,712.60	$19,068.90	0.00	$0.00	12,712.60	$19,068.90	96.69%
27	MODIFIED SUBBASE, 8"	SY	13,148.00	$8.50	$111,758.00	12,712.60	$108,057.10	0.00	$0.00	12,712.60	$108,057.10	96.69%
28	MODIFIED SUBBASE, 6"	SY	2,147.00	$8.50	$18,249.50	2,062.48	$17,530.91	0.00	$0.00	2,062.48	$17,530.91	96.06%
29	MODIFIED SUBBASE, 4"	SY	2,176.00	$5.75	$12,512.00	2,680.06	$15,410.35	0.00	$0.00	2,680.06	$15,410.35	123.16%
30	STORM SEWER, HDPE, 12"	LF	132.00	$27.75	$3,663.00	133.00	$3,690.75	0.00	$0.00	133.00	$3,690.75	100.76%
31	STORM SEWER, RCP, 15"	LF	1,163.00	$56.25	$65,418.75	564.50	$31,753.13	0.00	$0.00	564.50	$31,753.13	48.54%
32	STORM SEWER, RCP, 18"	LF	410.00	$49.00	$20,090.00	564.00	$27,636.00	0.00	$0.00	564.00	$27,636.00	137.56%
33	STORM SEWER, RCP, 24"	LF	271.00	$75.00	$20,325.00	260.00	$19,500.00	0.00	$0.00	260.00	$19,500.00	95.94%
34	STORM SEWER, RCP, 30"	LF	75.00	$90.00	$6,750.00	75.00	$6,750.00	0.00	$0.00	75.00	$6,750.00	100.00%
35	SUBDRAIN, 6"	LF	3,369.00	$13.00	$43,797.00	3007.00	$39,091.00	0.00	$0.00	3,007.00	$39,091.00	89.25%
36	SUBDRAIN CLEANOUT	EA	9.00	$1,125.00	$10,125.00	7.00	$7,875.00	0.00	$0.00	7.00	$7,875.00	77.78%
37	STORM SEWER MANHOLES, SW-401, 48"	EA	4.00	$2,125.00	$8,500.00	2.00	$4,250.00	0.00	$0.00	2.00	$4,250.00	50.00%
38	STORM SEWER MANHOLES, SW-401, 60"	EA	2.00	$3,100.00	$6,200.00	2.00	$6,200.00	0.00	$0.00	2.00	$6,200.00	100.00%
39	STORM SEWER MANHOLES, SW-401, 84"	EA	1.00	$4,675.00	$4,675.00	1.00	$4,675.00	0.00	$0.00	1.00	$4,675.00	100.00%
40	STORM SEWER INTAKE, SW-501	EA	1.00	$2,375.00	$2,375.00	3.00	$7,125.00	0.00	$0.00	3.00	$7,125.00	300.00%
41	STORM SEWER INTAKE, SW-505	EA	1.00	$3,500.00	$3,500.00	1.00	$3,500.00	0.00	$0.00	1.00	$3,500.00	100.00%
42	STORM SEWER INTAKE, SW-508	EA	7.00	$3,000.00	$21,000.00	5.00	$15,000.00	0.00	$0.00	5.00	$15,000.00	71.43%
43	STORM SEWER INTAKE, SW-510	EA	3.00	$3,700.00	$11,100.00	3.00	$11,100.00	0.00	$0.00	3.00	$11,100.00	100.00%
44	STORM SEWER INTAKE, SW-512	EA	1.00	$1,100.00	$1,100.00	1.00	$1,100.00	0.00	$0.00	1.00	$1,100.00	100.00%
45	STORM SEWER INTAKE, SW-541	EA	1.00	$4,900.00	$4,900.00	2.00	$9,800.00	0.00	$0.00	2.00	$9,800.00	200.00%
46	CONNECTION TO STORM SEWER STRUCTURES	EA	4.00	$500.00	$2,000.00	4.00	$2,000.00	0.00	$0.00	4.00	$2,000.00	100.00%
47	ADJUSTMENT OF EXISTING STRUCTURES	EA	6.00	$225.00	$1,350.00	6.00	$1,350.00	0.00	$0.00	6.00	$1,350.00	100.00%
48	VALVE BOX ADJUSTMENT	EA	23.00	$225.00	$5,175.00	23.00	$5,175.00	0.00	$0.00	23.00	$5,175.00	100.00%
49	PCC PAVEMENT, CLASS C, 7"	SY	418.00	$47.45	$19,834.10	379.60	$18,012.02	0.00	$0.00	379.60	$18,012.02	90.81%
50	PCC PAVEMENT, CLASS C 8"	SY	4,850.00	$43.04	$208,744.00	4691.66	$201,929.05	0.00	$0.00	4,691.66	$201,929.05	96.74%
51	PCC PAVEMENT, CLASS C, 9"	SY	5,928.00	$48.40	$286,915.20	5831.16	$282,228.14	0.00	$0.00	5,831.16	$282,228.14	98.37%
52	PCC DRIVEWAY, CLASS M, 6"	SY	1,752.00	$34.97	$61,267.44	1102.29	$38,547.08	0.00	$0.00	1,102.29	$38,547.08	62.92%
53	PCC SIDEWALK, 4"	SY	994.00	$33.00	$32,802.00	997.15	$32,905.95	0.00	$0.00	997.15	$32,905.95	100.32%
54	PCC TRAIL, 6"	SY	2,176.00	$35.75	$77,792.00	2283.87	$81,648.35	0.00	$0.00	2,283.87	$81,648.35	104.96%
55	PCC SIDEWALK RAMP	SY	32.00	$54.66	$1,749.12	42.43	$2,319.22	0.00	$0.00	42.43	$2,319.22	132.59%
56	COLORED CROSSWALK PAVEMENT, CLASS C,9"	SY	271.00	$98.00	$26,558.00	244.62	$23,972.76	0.00	$0.00	244.62	$23,972.76	90.27%
57	COLORED SIDEWALK PAVEMENT, 6"	SY	501.00	$75.00	$37,575.00	452.17	$33,912.75	0.00	$0.00	452.17	$33,912.75	90.25%
58	COLORED INTERSECTION PAVEMENT, CLASS C, 9"	SY	687.00	$110.00	$75,570.00	616.95	$67,864.50	0.00	$0.00	616.95	$67,864.50	89.80%
59	HMA DRIVEWAY, 6"	SY	343.00	$48.00	$16,464.00	339.70	$16,305.60	0.00	$0.00	339.70	$16,305.60	99.04%
60	PAVEMENT MARKINGS, PAINTED	STA	125.00	$60.00	$7,500.00	101.34	$6,080.40	296.28	$17,776.80	397.62	$23,857.20	318.10%
61	PAVEMENT SYMBOLS, PAINTED	EA	23.00	$80.00	$1,840.00	23.00	$1,840.00	76.00	$6,080.00	99.00	$7,920.00	430.43%
62	HYDROSEEDING WITH LIQUID MULCH BINDER	SY	6,255.00	$1.00	$6,255.00	12918.67	$12,918.67	0.00	$0.00	12,918.67	$12,918.67	206.53%
63	IMPORTED TOPSOIL	CY	800.00	$46.20	$36,960.00	1378.47	$63,685.31	0.00	$0.00	1,378.47	$63,685.31	172.31%
64	SODDING	SY	4,333.00	$7.00	$30,331.00	3615.98	$25,311.86	0.00	$0.00	3,615.98	$25,311.86	83.45%
65	ROCK MULCH	SY	922.00	$9.00	$8,298.00	1018.15	$9,163.35	0.00	$0.00	1,018.15	$9,163.35	110.43%
66	TREE PLANTING, PER PLANS	EA	41.00	$450.00	$18,450.00	40.00	$18,000.00	0.00	$0.00	40.00	$18,000.00	97.56%
67	SHRUB & GRASS PLANTING, PER PLANS	EA	1,539.00	$15.15	$23,315.85	1280.00	$19,392.00	0.00	$0.00	1,280.00	$19,392.00	83.17%
68	LANDSCAPE IRRIGATION	LS	1.00	$64,400.00	$64,400.00	1.00	$64,400.00	0.00	$0.00	1.00	$64,400.00	100.00%
69	LIGHTED BOLLARD	EA	16.00	$567.10	$9,073.60	16.00	$9,073.60	0.00	$0.00	16.00	$9,073.60	100.00%
70	STREET LIGHTING SYSTEM	LS	1.00	$413,586.60	$413,586.60	1.00	$413,586.60	0.00	$0.00	1.00	$413,586.60	100.00%
71	TRAFFIC SIGNAL, PER PLAN	LS	1.00	$267,358.10	$267,358.10	1.00	$267,358.10	0.00	$0.00	1.00	$267,358.10	100.00%
72	PAVER EDGING	LF	362.00	$5.60	$2,027.20	355.19	$1,989.06	0.00	$0.00	355.19	$1,989.06	98.12%
	COMPUTED TOTAL BID (ITEMS 1 THROUGH 72) =			$2,813,734.76		$2,716,681.63		$24,231.80		$2,740,913.43		97.41%

MATERIALS STORED ON SITE

ITEM	DESCRIPTION	UNITS	QUANTITY			Per Cent %	TOTAL
69	Lighted Bollards Materials	1	$21,631.20			0.00%	$0.00
70	Street Light Lanterns	1	$331,197.74			0.00%	$0.00
70	Street Light Pre-Cast Bases	1	$2,668.00			0.00%	$0.00
71	Electrical Equipment for Traffic Signals	1	$1,371.50			0.00%	$0.00
71	Electrical Equipment for Traffic Signals	1	$9,945.00			0.00%	$0.00
			$366,833.44				
					TOTAL MATERIALS STORED ON SITE		$0.00

CHANGE ORDERS

NO.	Description	Unit	Total Quantity	Unit Price	Total			This Period Quantity	This Period Amount	To Date Quantity	To Date Amount	% Complete
1	1.1 Increase Item #69	LS	1	$22,639.16	22,639.16			1	$22,639.16	1	$22,639.16	100.00%
1	1.2 Increase Item #71	LS	1	$10,540.00	10,540.00			1	$10,540.00	1	$10,540.00	100.00%
1	1.3 Decrease Item #70	LS	1	$20,077.66	$20,077.66			1	$20,077.66	1	$20,077.66	100.00%
2	1.4 Decrease Item #50	LS	1	$7,310.00	7,310.00			1	$7,310.00	1	$7,310.00	100.00%
3	1.5 Increase Item #6	LS	1	$1,760.00	1,760.00			1	$1,760.00	1	$1,760.00	100.00%
3	1.6 Increase Item #20	LS	1	$5,380.00	5,380.00			1	$5,380.00	1	$5,380.00	100.00%
4	1.7 New Item	LS	1	$715.00	$715.00			1	$715.00	1	$715.00	100.00%
4	1.8 New Item	LS	1	$2,228.05	$2,228.05			1	$2,228.05	1	$2,228.05	100.00%
4	1.9 Increase Item #32	LF	176	$34.98	$6,156.48			1	$6,156.48	1	$6,156.48	100.00%
4	1.10 Increase Item #47	EA	2	$1,247.10	$2,494.20			1	$2,494.20	1	$2,494.20	100.00%
5	1.11 Increase cost of Item #68	LS	1	$3,410.00	$3,410.00			1	$3,410.00	1	$3,410.00	100.00%
6	1.12 Decrease (-)	LS	1	$2,500.00	$2,500.00			1	$2,500.00	1	$2,500.00	100.00%
7	1.13 Additional Sprinkler System heads and valves	LS	1	$2,750.00	$2,750.00			1	$2,750.00		$2,750.00	100.00%
7	1.14 Additional Miscellaneous Intersection Items	LS	1	$3,500.00	$3,500.00			1	$3,500.00		$3,500.00	100.00%
7	1.15 Adjusting Balancing Change Order	LS	1	$0.00	$0.00			1	$0.00	1	$0.00	
					$31,695.23							100.00%
	CHANGE ORDER NO.	TOTALS		$31,695.23						$31,695.23		

REVISED CONTRACT TOTAL AFTER ALL C.O. (IF ANY)	$2,845,429.99		$2,740,913.43	ORIGINAL CONTRACT WORK COMPL
			$0.00	MATERIALS STORED ON SITE
			$31,695.23	TOTAL CHANGE ORDER WORK COM
			$2,772,608.66	TOTAL
		5.00%	$138,630.43	RETAINAGE
			$2,633,978.23	TOTAL LESS RETAINAGE
			$2,598,228.02	LESS PREVIOUS PAYMENTS
			$35,750.21	CURRENT PAYMENT DUE

RESOLUTION NO. 18-
City Council

RESOLUTION APPROVING (FINAL) PAY ESTIMATE #14
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, application for (Final) Pay Estimate #14 (fourteen) in the amount of $35,750.21 has been received in the Clerk's Office, and

WHEREAS, the City Engineer has certified that said project has been completed in compliance with the plans and specifications and recommended payment of the (Final) Pay Estimate #14, and

NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA hereby accepting the 2016-2017 Emmons Street/North Center Point Road/Robins Road Intersection Improvements Phase 2 Roadway Package Project, constructed by Rathje Construction Co., of Marion, Iowa, and approving application for (Final) Pay Estimate #14 and directing City Clerk to make payment to Rathje Construction Co., of Marion, Iowa, in the amount of $35,750.21 immediately. Five (5) percent retainage in the amount of $138,630.43 will be released after thirty (30) days has elapsed from the date of acceptance if no claims against the project are filed.

AYES:
NAYS:
ABSENT:

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

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk