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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:** **May 10, 2018**

From: John C. Bender PE, City Engineer

Re: **2018 Emmons Street Reconstruction**

Description: Approval of Bids

Report:

The bid opening for the Emmons Street reconstruction was held Thursday May 10, 2018. We received 4 bids for this project. The low bid was submitted by Rathje Construction from Marion for **$ 363,889.33**. See attached memo from Hall and Hall Engineers with attached bid tabulation. This bid was approximately 9% below the engineer's estimate.

Engineering recommends approval of a contract with Rathje Construction.

If you have any questions please let me know.

HALL & HALL ENGINEERS, INC.

Leaders in Land Development Since 1953

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Memorandum

Date: **May 10, 2018**

To: **Honorable Mayor and City Council**

From: **Matt Johnson, P.E.**

RE: **2018 Emmons Street Reconstruction - Bid Results**
HHE Project No. 4089-18-01

On Thursday, May 10, 2018, we received and opened four bids for the 2018 Emmons Street Reconstruction project. We reviewed all bid extensions and did not find any errors. The low bidder was Rathje Construction Co. with a total bid of $363,889.33, which is approximately 9% below the Engineer's Estimate of $399,634.65. We have completed several past projects with Rathje Construction Co. and find them to be a reputable contractor very capable of completing this project.

We, therefore, recommend awarding the contract to the low bidder, **Rathje Construction Co.**, in the amount of **$363,889.33**.

Enclosed is the full tabulation of bids received.

City of Hiawatha
2018 EMMONS STREET RECONSTRUCTION
BID TABULATION

					ENGINEER'S ESTIMATE		Rathje Construction Co. Marion, IA		Pirc-Tobin Construction, Inc. Alburnett, IA	
ITEM NO	ITEM CODE	DESCRIPTION	ESTIMATED QUANTITIES	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	01100-01	Mobilization	1	LS	$ 40,000.00	$40,000.00	$ 15,000.00	$15,000.00	$ 62,500.00	$62,500.00
2	01110-03	Concrete Maturity Testing for PCC Pavement	1	LS	$ 1,500.00	$1,500.00	$ 500.00	$500.00	$ 1,250.00	$1,250.00
3	01200-01	Traffic Control	1	LS	$ 6,000.00	$6,000.00	$ 1,470.00	$1,470.00	$ 5,000.00	$5,000.00
4	01300-01	Temporary Erosion and Sediment Control	1	LS	$ 1,500.00	$1,500.00	$ 100.00	$100.00	$ 1,000.00	$1,000.00
5	01300-11	Filter Socks	1,311	LF	$ 2.25	$2,949.75	$ 1.80	$2,359.80	$ 3.50	$4,588.50
6	01300-12	Filter Socks at Storm Sewer Structures	6	EA	$ 150.00	$900.00	$ 60.00	$360.00	$ 65.00	$390.00
7	01400-10	Removal of Existing Pavements, Driveways, Curb, and Gutter	4,156	SY	$ 7.00	$29,092.00	$ 5.00	$20,780.00	$ 4.50	$18,702.00
8	01400-11	Removal of Existing Sidewalk	336	SY	$ 6.00	$2,016.00	$ 5.00	$1,680.00	$ 7.50	$2,520.00
9	01400-40	Removal of Storm Sewer Structures	1	EA	$ 400.00	$400.00	$ 150.00	$150.00	$ 575.00	$575.00
10	02000-01	Unclassified Excavation and Embankment	1,107	CY	$ 7.00	$7,749.00	$ 10.00	$11,070.00	$ 12.00	$13,284.00
11	02100-20	Subgrade Stabilization With Crushed Rock Material (Contingency Item)	173	CY	$ 34.00	$5,882.00	$ 40.00	$6,920.00	$ 15.00	$2,595.00
12	02100-30	Engineering Fabric for Subgrade Stabilization (Contingency Item)	518	SY	$ 2.75	$1,424.50	$ 1.50	$777.00	$ 2.00	$1,036.00
13	02100-36	Geogrid	3,296	SY	$ 2.25	$7,416.00	$ 1.50	$4,944.00	$ 1.75	$5,768.00
14	02100-50	Granular Subbase, 9"	3,296	SY	$ 9.00	$29,664.00	$ 9.00	$29,664.00	$ 9.50	$31,312.00
15	02400-01	Storm Sewer Main, RCP, 15"	177	LF	$ 60.00	$10,620.00	$ 46.50	$8,230.50	$ 65.00	$11,505.00
16	02400-10	Subdrain, 6"	1,355	LF	$ 10.00	$13,550.00	$ 13.00	$17,615.00	$ 14.00	$18,970.00
17	02400-13	Subdrain Cleanout	1	EA	$ 800.00	$800.00	$ 775.00	$775.00	$ 1,250.00	$1,250.00
18	02400-49	Storm Sewer Intake, SW-501	2	EA	$ 2,500.00	$5,000.00	$ 2,000.00	$4,000.00	$ 2,350.00	$4,700.00
19	02400-50	Storm Sewer Intake, SW-507	1	EA	$ 3,800.00	$3,800.00	$ 2,500.00	$2,500.00	$ 3,000.00	$3,000.00
20	02400-50	Storm Sewer Intake, SW-509	1	EA	$ 4,200.00	$4,200.00	$ 2,900.00	$2,900.00	$ 4,000.00	$4,000.00
21	02400-60	Connection to Existing Storm Sewer Structures	2	EA	$ 400.00	$800.00	$ 100.00	$200.00	$ 425.00	$850.00
22	02600-23	Valve Box Adjustment with New Top Section	1	EA	$ 350.00	$350.00	$ 100.00	$100.00	$ 400.00	$400.00
23	02600-26	Manhole Adjustment, Minor	3	EA	$ 650.00	$1,950.00	$ 600.00	$1,800.00	$ 775.00	$2,325.00
24	02700-01	Portland Cement Concrete Pavement, 8 In.	3,022	SY	$ 40.00	$120,880.00	$ 44.25	$133,723.50	$ 46.75	$141,278.50
25	02700-20	Portland Cement Concrete Driveway, 6 In.	881	SY	$ 35.00	$30,835.00	$ 41.75	$36,781.75	$ 50.00	$44,050.00
26	02700-30	Portland Cement Concrete Pavement Repair, 8 In.	57	SY	$ 80.00	$4,560.00	$ 76.00	$4,332.00	$ 130.00	$7,410.00
27	02700-70	Portland Cement Concrete Sidewalk, 4 In.	314	SY	$ 31.00	$9,734.00	$ 33.00	$10,362.00	$ 40.00	$12,560.00
28	02700-70	Portland Cement Concrete Sidewalk, 6 In.	542	SY	$ 36.00	$19,512.00	$ 36.25	$19,647.50	$ 35.00	$18,970.00
29	02700-75	Portland Cement Concrete Sidewalk Ramp	93	SY	$ 115.00	$10,695.00	$ 60.00	$5,580.00	$ 105.00	$9,765.00
30	02800-40	Temporary Aggregate Surfacing	165	TON	$ 30.00	$4,950.00	$ 18.00	$2,970.00	$ 18.00	$2,970.00
31	2850-01	Pavement Markings, Painted	1,021	LF	$ 0.40	$408.40	$ 0.68	$694.28	$ 0.90	$918.90
32	2850-20	Pavement Symbols, Painted	1	EA	$ 500.00	$500.00	$ 128.00	$128.00	$ 160.00	$160.00
33	02900-01	Imported Topsoil (Contingency)	199	CY	$ 28.00	$5,572.00	$ 25.00	$4,975.00	$ 25.00	$4,975.00
34	02905-20	Sodding	169	SQ	$ 75.00	$12,675.00	$ 58.00	$9,802.00	$ 68.00	$11,492.00
35	02960-01	Perforated Square Steel Tube Posts	2	EA	$ 200.00	$400.00	$ 184.00	$368.00	$ 200.00	$400.00
36	02960-06	Remove and Reinstall Existing Signs	9	EA	$ 150.00	$1,350.00	$ 70.00	$630.00	$ 80.00	$720.00
		TOTAL				**$399,634.65**		**$363,889.33**		**$453,189.90**

City of Hiawatha
2018 EMMONS STREET RECONSTRUCTION
BID TABULATION

ITEM NO	ITEM CODE	DESCRIPTION	ESTIMATED QUANTITIES	UNIT	Dave Schmitt Construction Co., Inc. Cedar Rapids, IA		Boomerang Corp. Anamosa, IA		Bid Average	
					UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	01100-01	Mobilization	1	LS	$ 49,355.00	$49,355.00	$ 68,500.00	$68,500.00	$ 48,838.75	$48,838.75
2	01110-03	Concrete Maturity Testing for PCC Pavement	1	LS	$ 500.00	$500.00	$ 1,100.00	$1,100.00	$ 837.50	$837.50
3	01200-01	Traffic Control	1	LS	$ 1,470.00	$1,470.00	$ 1,500.00	$1,500.00	$ 2,360.00	$2,360.00
4	01300-01	Temporary Erosion and Sediment Control	1	LS	$ 1,945.00	$1,945.00	$ 500.00	$500.00	$ 886.25	$886.25
5	01300-11	Filter Socks	1,311	LF	$ 1.80	$2,359.80	$ 2.50	$3,277.50	$ 2.40	$3,146.40
6	01300-12	Filter Socks at Storm Sewer Structures	6	EA	$ 60.00	$360.00	$ 50.00	$300.00	$ 58.75	$352.50
7	01400-10	Removal of Existing Pavements, Driveways, Curb, and Gutter	4,156	SY	$ 7.45	$30,962.20	$ 10.00	$41,560.00	$ 6.74	$28,001.05
8	01400-11	Removal of Existing Sidewalk	336	SY	$ 7.45	$2,503.20	$ 10.00	$3,360.00	$ 7.49	$2,515.80
9	01400-40	Removal of Storm Sewer Structures	1	EA	$ 795.00	$795.00	$ 700.00	$700.00	$ 555.00	$555.00
10	02000-01	Unclassified Excavation and Embankment	1,107	CY	$ 15.10	$16,715.70	$ 34.00	$37,638.00	$ 17.78	$19,676.93
11	02100-20	Subgrade Stabilization With Crushed Rock Material (Contingency Item)	173	CY	$ 65.80	$11,383.40	$ 68.00	$11,764.00	$ 47.20	$8,165.60
12	02100-30	Engineering Fabric for Subgrade Stabilization (Contingency Item)	518	SY	$ 1.90	$984.20	$ 2.00	$1,036.00	$ 1.85	$958.30
13	02100-36	Geogrid	3,296	SY	$ 2.05	$6,756.80	$ 2.00	$6,592.00	$ 1.83	$6,015.20
14	02100-50	Granular Subbase, 9"	3,296	SY	$ 12.15	$40,046.40	$ 10.00	$32,960.00	$ 10.16	$33,495.60
15	02400-01	Storm Sewer Main, RCP, 15"	177	LF	$ 69.40	$12,283.80	$ 70.00	$12,390.00	$ 62.73	$11,102.33
16	02400-10	Subdrain, 6"	1,355	LF	$ 22.70	$30,758.50	$ 11.00	$14,905.00	$ 15.18	$20,562.13
17	02400-13	Subdrain Cleanout	1	EA	$ 845.00	$845.00	$ 625.00	$625.00	$ 873.75	$873.75
18	02400-49	Storm Sewer Intake, SW-501	2	EA	$ 3,290.00	$6,580.00	$ 2,500.00	$5,000.00	$ 2,535.00	$5,070.00
19	02400-50	Storm Sewer Intake, SW-507	1	EA	$ 4,130.00	$4,130.00	$ 3,800.00	$3,800.00	$ 3,357.50	$3,357.50
20	02400-50	Storm Sewer Intake, SW-509	1	EA	$ 6,055.00	$6,055.00	$ 4,600.00	$4,600.00	$ 4,388.75	$4,388.75
21	02400-60	Connection to Existing Storm Sewer Structures	2	EA	$ 610.00	$1,220.00	$ 1,100.00	$2,200.00	$ 558.75	$1,117.50
22	02600-23	Valve Box Adjustment with New Top Section	1	EA	$ 365.00	$365.00	$ 300.00	$300.00	$ 291.25	$291.25
23	02600-26	Manhole Adjustment, Minor	3	EA	$ 775.00	$2,325.00	$ 1,000.00	$3,000.00	$ 787.50	$2,362.50
24	02700-01	Portland Cement Concrete Pavement, 8 In.	3,022	SY	$ 44.25	$133,723.50	$ 46.00	$139,012.00	$ 45.31	$136,934.38
25	02700-20	Portland Cement Concrete Driveway, 6 In.	881	SY	$ 48.50	$42,728.50	$ 36.25	$31,936.25	$ 44.13	$38,874.13
26	02700-30	Portland Cement Concrete Pavement Repair, 8 In.	57	SY	$ 72.60	$4,138.20	$ 88.75	$5,058.75	$ 91.84	$5,234.74
27	02700-70	Portland Cement Concrete Sidewalk, 4 In.	314	SY	$ 39.25	$12,324.50	$ 28.50	$8,949.00	$ 35.19	$11,048.88
28	02700-70	Portland Cement Concrete Sidewalk, 6 In.	542	SY	$ 42.50	$23,035.00	$ 30.50	$16,531.00	$ 36.06	$19,545.88
29	02700-75	Portland Cement Concrete Sidewalk Ramp	93	SY	$ 66.30	$6,165.90	$ 89.00	$8,277.00	$ 80.08	$7,446.98
30	02800-40	Temporary Aggregate Surfacing	165	TON	$ 26.15	$4,314.75	$ 25.00	$4,125.00	$ 21.79	$3,594.94
31	2850-01	Pavement Markings, Painted	1,021	LF	$ 0.70	$714.70	$ 0.75	$765.75	$ 0.76	$773.41
32	2850-20	Pavement Symbols, Painted	1	EA	$ 130.00	$130.00	$ 145.00	$145.00	$ 140.75	$140.75
33	02900-01	Imported Topsoil (Contingency)	199	CY	$ 31.50	$6,268.50	$ 20.00	$3,980.00	$ 25.38	$5,049.63
34	02905-20	Sodding	169	SQ	$ 58.00	$9,802.00	$ 55.00	$9,295.00	$ 59.75	$10,097.75
35	02960-01	Perforated Square Steel Tube Posts	2	EA	$ 185.00	$370.00	$ 200.00	$400.00	$ 192.25	$384.50
36	02960-06	Remove and Reinstall Existing Signs	9	EA	$ 115.00	$1,035.00	$ 80.00	$720.00	$ 86.25	$776.25
		TOTAL				**$475,449.55**		**$486,802.25**		**$444,832.76**

DRAFT

RESOLUTION NO. 18-
City Council

RESOLUTION APPROVING AND MAKING AWARD OF CONTRACT EMMONS STREET RECONSTRUCTION PROJECT

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, that the bid of Rathje Construction of Marion, Iowa in the amount of $363,889.33 for the construction of the 2018 Emmons Street Reconstruction project, plus potential incentives for completion using less than the allowable road closure days and additional provisions as described in the plans and specifications and adopted by this Council after public hearing, be and is hereby accepted, as the lowest responsible responsive bid received, and a contract is hereby awarded.

The contractor is hereby instructed to promptly execute the construction contract and return the same to the Mayor along with all the supporting documents required therein, including surety bond covering work to be performed and proof of satisfactory insurance coverage.

That the Mayor, with the assistance of the City Engineer is thereafter directed to examine the contract for proper execution and all supporting documents, including surety bond and proof of insurance coverage to determine satisfactory compliance with contract specifications. If all documents are in order, the Mayor shall approve the same in writing and place written approval on file in the office of the City Clerk.

That the Mayor and City Clerk are hereby authorized and directed to execute the contract for and on behalf of the City and upon execution the contract shall be in full force and effect.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 16th day of May, 2018.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk