F4a+b

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: June 30, 2016**

From: John C. Bender PE, City Engineer

Re: Emmons Street/N. Center Point Road/Robins Road Intersection Phase II

Description: Approval of Bids

Report:

The bid opening for the Emmons Street/N. Center Point Road/Robins Road Intersection Phase II was held Thursday June 30, 2016. We received 3 bids for this project. The low bid was submitted by Rathje Construction from Marion for **$2,813,734.76**. See attached memo from Shive Hattery Engineers and Architects with attached bid tabulation. This bid was 7% above the engineer's estimate.

Engineering recommends approval of a contract with Rathje Construction.

If you have any questions please let me know.

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

June 30, 2016

John Bender
City of Hiawatha
101 Emmons Street
Hiawatha, IA 52301

RE: Recommendation of Award
Emmons Street/N. Center Point Road/Robins Road Intersection Improvements – Phase 2

Dear Mr. Bender:

On June 30, 2016 bids were publicly opened and read for the above referenced project. Three bids were received and no irregularities were noted.

Rathje Construction Co submitted a Base Bid in the amount of $2,813,734.76. The low bid was 7% over the engineer's estimate which was $2,602,976.06. The likely influences to the increase could be related to the duration and complexity of the project. Prices also flucuate with the decorative equipment included in the traffic signal and lighting systems.

We recommend that the City of Hiawatha proceed with your award process to **Rathje Construction CO** in the amount of **$2,813,734.76.** This award may be subject to submittal of acceptable bonds, insurance and other requirements of the City of Hiawatha. We are enclosing a copy of the bid tabulation for your use.

Please contact our office if you have any questions concerning the bids. It has been a pleasure working with your staff on this project to date and we look forward to beginning the construction phase of work.

Sincerely,

SHIVE-HATTERY, INC.

Justin Campbell, P.E.
Civil Engineer

Enc: Bid Tab

Project # 2151330

SHIVE-HATTERY, INC.
316 2nd Street S.E. - Suite 500
Cedar Rapids, IA 52401
(319) 364-0227 FAX (319) 364-4251

Client: City of Hiawatha
Project Name: Emmons Street/North Center Point Road/Robins Road Intersection Improvements Phase 2
S-H Project #: 2151330

June 30, 2016, 10:00 a.m.
City of Hiawatha
101 Emmons Street, Hiawatha

NAME AND ADDRESS OF BIDDER	Rathje Construction Co. PO Box 408 Marion, IA 52302	Ricklefs Excavating, Ltd. 12536 Buffalo Road Anamosa, IA 52205	Pirc-Tobin Construction, Inc. PO Box 160 Alburnett, IA 52202
Bid Security - 5%	YES	YES	YES
Receipt of Addendum #1 (2.01)	YES	YES	YES
Receipt of Addendum #2 (2.02)	YES	YES	YES
Receipt of Addendum #3 (2.03)	YES	YES	YES
Receipt of Addendum #4 (2.04)	YES	YES	YES

ITEM	Standard Bid Item No.	DESCRIPTION	QUANTITY		UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE
		BASE BID:								
1	01100-01	MOBILIZATION	LS	1	$243,000.00	$243,000.00	$430,000.00	$430,000.00	$136,000.00	$136,000.00
2	01100-10	CONSTRUCTION SURVEY	LS	1	$19,550.00	$19,550.00	$15,000.00	$15,000.00	$18,200.00	$18,200.00
3	01110-01	TRENCH COMPACTION TESTING	LS	1	$1,200.00	$1,200.00	$100.00	$100.00	$1,600.00	$1,600.00
4	01110-02	SUBGRADE AND SUBBASE COMPACTION TESTING	LS	1	$2,850.00	$2,850.00	$100.00	$100.00	$2,100.00	$2,100.00
5	01110-03	CONCRETE MATURITY TESTING FOR PCC PAVEMENT	LS	1	$1,100.00	$1,100.00	$500.00	$500.00	$1,600.00	$1,600.00
6	01200-01	TRAFFIC CONTROL	LS	1	$19,750.00	$19,750.00	$20,000.00	$20,000.00	$21,100.00	$21,100.00
7	01200-20	TEMPORARY PAVEMENT MARKINGS AND SYMBOLS	LS	1	$9,500.00	$9,500.00	$3,000.00	$3,000.00	$10,200.00	$10,200.00
8	01200-21	TEMPORARY ROADWAY SURFACES	SY	1,884	$41.50	$78,186.00	$3.00	$5,652.00	$53.00	$99,852.00
9	01300-11	FILTER SOCKS	LF	2,566	$2.50	$6,415.00	$2.25	$5,773.50	$2.80	$7,184.80
10	01300-12	FILTER SOCKS AT STORM SEWER STRUCTURES	EA	32	$100.00	$3,200.00	$50.00	$1,600.00	$75.00	$2,400.00
11	01400-01	CLEARING AND GRUBBING	LS	1	$4,200.00	$4,200.00	$500.00	$500.00	$500.00	$500.00
12	01400-10	REMOVAL OF EXISTING PAVEMENTS & CURB AND GUTTER	SY	15,697	$7.40	$116,157.80	$7.00	$109,879.00	$5.50	$86,333.50
13	01400-11	REMOVAL OF EXISTING SIDEWALK	SY	1,692	$8.50	$14,382.00	$7.00	$11,844.00	$8.50	$14,382.00
14	01400-31	REMOVAL OF RETAINING WALL	LF	92	$14.00	$1,288.00	$30.00	$2,760.00	$8.50	$782.00
15	01400-40	REMOVAL OF STORM SEWER STRUCTURES	EA	18	$250.00	$4,500.00	$250.00	$4,500.00	$628.00	$11,304.00
16	01400-41	REMOVAL OF STORM SEWER AND CULVERT PIPE	LF	1,389	$10.00	$13,890.00	$5.00	$6,945.00	$13.00	$18,057.00
17	01400-42	REMOVAL OF SANITARY SEWER STRUCTURES	EA	1	$450.00	$450.00	$250.00	$250.00	$1,100.00	$1,100.00
18	01400-43	REMOVAL OF SANITARY SEWER PIPE	LF	411	$10.00	$4,110.00	$3.00	$1,233.00	$29.00	$11,919.00
19	01400-62	REMOVAL OF EXISTING WATER MAIN	LF	625	$10.00	$6,250.00	$3.00	$1,875.00	$24.00	$15,000.00
20	01400-70	REMOVAL OF EXISTING PAVEMENT MARKINGS	LS	1	$3,800.00	$3,800.00	$3,000.00	$3,000.00	$4,100.00	$4,100.00
21	01400-71	REMOVAL OF TRAFFIC CONTROL SIGN	EA	20	$65.00	$1,300.00	$100.00	$2,000.00	$69.50	$1,390.00
22	01400-80	REMOVAL OF TRAFFIC SIGNAL	LS	1	$3,000.00	$3,000.00	$3,000.00	$3,000.00	$6,400.00	$6,400.00
23	02000-01	UNCLASSIFIED EXCAVATION AND EMBANKMENT	CY	4,286	$15.75	$67,504.50	$20.00	$85,720.00	$17.50	$75,005.00
24	02000-02	STRIP AND RESPREAD TOPSOIL	CY	525	$33.00	$17,325.00	$10.00	$5,250.00	$19.50	$10,237.50
25	02100-20	SUBGRADE STABILIZATION WITH CRUSHED ROCK MATERIAL	CY	750	$42.50	$31,875.00	$46.50	$34,875.00	$56.50	$42,375.00
26	02100-35	GEOGRID	SY	13,148	$1.50	$19,722.00	$1.25	$16,435.00	$3.00	$39,444.00
27	02100-51	MODIFIED SUBBASE, 8"	SY	13,148	$8.50	$111,758.00	$8.00	$105,184.00	$9.35	$122,933.80
28	02100-51	MODIFIED SUBBASE, 6"	SY	2,147	$8.50	$18,249.50	$6.50	$13,955.50	$7.20	$15,458.40

SHIVE-HATTERY, INC.
316 2nd Street S.E. - Suite 500
Cedar Rapids, IA 52401
(319) 364-0227 FAX (319) 364-4251

Client: City of Hiawatha
Project Name: Emmons Street/North Center Point Road/Robins Road Intersection Improvements Phase 2
S-H Project #: 2151330

June 30, 2016, 10:00 a.m.
City of Hiawatha
101 Emmons Street, Hiawatha

		NAME AND ADDRESS OF BIDDER			Rathje Construction Co. PO Box 408 Marion, IA 52302		Ricklefs Excavating, Ltd. 12536 Buffalo Road Anamosa, IA 52205		Pirc-Tobin Construction, Inc. PO Box 160 Alburnett, IA 52202	
29	02100-51	MODIFIED SUBBASE, 4"	SY	2,176	$5.75	$12,512.00	$5.00	$10,880.00	$8.40	$18,278.40
30	02400-01	STORM SEWER, HDPE, 12"	LF	132	$27.75	$3,663.00	$70.00	$9,240.00	$39.00	$5,148.00
31	02400-01	STORM SEWER, RCP, 15"	LF	1,163	$56.25	$65,418.75	$80.00	$93,040.00	$53.50	$62,220.50
32	02400-01	STORM SEWER, RCP, 18"	LF	410	$49.00	$20,090.00	$90.00	$36,900.00	$63.50	$26,035.00
33	02400-01	STORM SEWER, RCP, 24"	LF	271	$75.00	$20,325.00	$100.00	$27,100.00	$67.00	$18,157.00
34	02400-01	STORM SEWER, RCP, 30"	LF	75	$90.00	$6,750.00	$120.00	$9,000.00	$84.00	$6,300.00
35	02400-10	SUBDRAIN, 6"	LF	3,369	$13.00	$43,797.00	$10.00	$33,690.00	$14.50	$48,850.50
36	02400-13	SUBDRAIN CLEANOUT	EA	9	$1,125.00	$10,125.00	$700.00	$6,300.00	$1,200.00	$10,800.00
37	02400-40	STORM SEWER MANHOLES, SW-401, 48"	EA	4	$2,125.00	$8,500.00	$3,000.00	$12,000.00	$2,900.00	$11,600.00
38	02400-41	STORM SEWER MANHOLES, SW-401, 60"	EA	2	$3,100.00	$6,200.00	$4,000.00	$8,000.00	$4,000.00	$8,000.00
39	02400-42	STORM SEWER MANHOLES, SW-401, 84"	EA	1	$4,675.00	$4,675.00	$11,500.00	$11,500.00	$6,200.00	$6,200.00
40	02400-50	STORM SEWER INTAKE, SW-501	EA	1	$2,375.00	$2,375.00	$3,000.00	$3,000.00	$2,900.00	$2,900.00
41	02400-50	STORM SEWER INTAKE, SW-505	EA	1	$3,500.00	$3,500.00	$3,800.00	$3,800.00	$3,600.00	$3,600.00
42	02400-50	STORM SEWER INTAKE, SW-508	EA	7	$3,000.00	$21,000.00	$3,400.00	$23,800.00	$3,300.00	$23,100.00
43	02400-50	STORM SEWER INTAKE, SW-510	EA	3	$3,700.00	$11,100.00	$4,000.00	$12,000.00	$3,800.00	$11,400.00
44	02400-50	STORM SEWER INTAKE, SW-512	EA	1	$1,100.00	$1,100.00	$1,500.00	$1,500.00	$1,400.00	$1,400.00
45	02400-50	STORM SEWER INTAKE, SW-541	EA	1	$4,900.00	$4,900.00	$4,500.00	$4,500.00	$5,500.00	$5,500.00
46	02400-60	CONNECTION TO EXISTING STORM SEWER STRUCTURES	EA	4	$500.00	$2,000.00	$350.00	$1,400.00	$493.00	$1,972.00
47	02600-20	ADJUSTMENT OF EXISTING STRUCTURES	EA	6	$225.00	$1,350.00	$300.00	$1,800.00	$2,200.00	$13,200.00
48	02600-23	VALVE BOX ADJUSTMENT	EA	23	$225.00	$5,175.00	$50.00	$1,150.00	$148.00	$3,404.00
49	02700-02	PCC PAVEMENT, CLASS C, 7"	SY	418	$47.45	$19,834.10	$47.50	$19,855.00	$51.75	$21,631.50
50	02700-02	PCC PAVEMENT, CLASS C, 8"	SY	4,850	$43.04	$208,744.00	$43.04	$208,744.00	$46.25	$224,312.50
51	02700-02	PCC PAVEMENT, CLASS C, 9"	SY	5,928	$48.40	$286,915.20	$48.40	$286,915.20	$51.75	$306,774.00
52	02700-20	PCC DRIVEWAY, CLASS M, 6"	SY	1,752	$34.97	$61,267.44	$34.97	$61,267.44	$37.50	$65,700.00
53	02700-70	PCC SIDEWALK, 4"	SY	994	$33.00	$32,802.00	$33.00	$32,802.00	$35.35	$35,137.90
54	02700-70	PCC TRAIL, 6"	SY	2,176	$35.75	$77,792.00	$35.75	$77,792.00	$38.25	$83,232.00
55	02700-75	PCC SIDEWALK RAMP	SY	32	$54.66	$1,749.12	$54.66	$1,749.12	$58.85	$1,883.20
56	02700-81	COLORED CROSSWALK PAVEMENT, CLASS C, 9"	SY	271	$98.00	$26,558.00	$98.00	$26,558.00	$105.25	$28,522.75
57	02700-82	COLORED SIDEWALK PAVEMENT, 6"	SY	501	$75.00	$37,575.00	$75.00	$37,575.00	$80.90	$40,530.90
58	02700-83	COLORED INTERSECTION PAVEMENT, CLASS C, 9"	SY	687	$110.00	$75,570.00	$110.00	$75,570.00	$118.00	$81,066.00
59	02750-20	HMA DRIVEWAY, 6"	SY	343	$48.00	$16,464.00	$48.00	$16,464.00	$51.50	$17,664.50
60	02850-01	PAVEMENT MARKINGS, PAINTED	STA	125	$60.00	$7,500.00	$55.00	$6,875.00	$64.00	$8,000.00
61	02850-20	PAVEMENT SYMBOLS, PAINTED	EA	23	$80.00	$1,840.00	$115.00	$2,645.00	$85.50	$1,966.50
62	02900-12	HYDROSEEDING WITH LIQUID MULCH BINDER	SY	6,255	$1.00	$6,255.00	$0.75	$4,691.25	$0.80	$5,004.00
63	02905-01	IMPORTED TOPSOIL	CY	800	$46.20	$36,960.00	$12.00	$9,600.00	$42.00	$33,600.00

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S-H Project #: 2151330

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64	02905-20	SODDING	SY	4,333	$7.00	$30,331.00	$5.25	$22,748.25	$5.30	$22,964.90
65	02905-21	ROCK MULCH	SY	922	$9.00	$8,298.00	$9.00	$8,298.00	$9.30	$8,574.60
66	02910-02	TREE PLANTING, PER PLANS	EA	41	$450.00	$18,450.00	$475.00	$19,475.00	$480.00	$19,680.00
67	02910-03	SHRUB & GRASS PLANTING, PER PLANS	EA	1,539	$15.15	$23,315.85	$16.00	$24,624.00	$16.25	$25,008.75
68	02910-10	LANDSCAPE IRRIGATION	LS	1	$64,400.00	$64,400.00	$65,000.00	$65,000.00	$70,000.00	$70,000.00
69	02950-20	LIGHTED BOLLARD	EA	16	$567.10	$9,073.60	$567.10	$9,073.60	$650.00	$10,400.00
70	02950-30	STREET LIGHTING SYSTEM	LS	1	$413,586.60	$413,586.60	$369,586.60	$369,586.60	$396,000.00	$396,000.00
71	16570-01	TRAFFIC SIGNAL, PER PLAN	LS	1	$267,358.10	$267,358.10	$267,358.10	$267,358.10	$340,000.00	$340,000.00
72	02900-05	PAVER EDGING	LF	362	$5.60	$2,027.20	$6.00	$2,172.00	$6.00	$2,172.00
		TOTAL BASE BID (items 1 - 72)				**$2,813,734.76**		**$2,858,969.56**		**$2,914,849.40**

DRAFT

RESOLUTION NO. 16-
City Council

RESOLUTION APPROVING AND MAKING AWARD OF CONTRACT 2016-2017 EMMONS STREET/NORTH CENTER POINT ROAD/ROBINS ROAD INTERSECTION IMPROVEMENTS PHASE 2 ROADWAY PACKAGE PROJECT

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, that the bid of Rathje Construction Co. of Marion, Iowa in the amount of $2,813,734.76 for the construction of the 2016-2017 Emmons Street/North Center Point Road/Robins Road Intersection Improvements Phase 2 Roadway Package Project, 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 City Clerk along with all the supporting documents required therein, including surety bond covering work to be performed and proof of satisfactory insurance coverage.

That 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 City Engineer 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 6th day of July, 2016.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk