F10a

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 9, 2019**

From: John C Bender PE, City Engineer

Re: **2019 Center Point Road and Willman Street Traffic Signal Project**

Description: **Set Notice of Public Hearing and Notice to Bidders**

Report:

Hiawatha has contracted with Shive Hattery Engineers to prepare the plans and specifications for the 2019 Center Point Road and Willman Street Traffic Signal project. This includes a new semi-actuated traffic signal at Willman Street that will only change when a call comes from the side street.

As we reviewed the draft plans it was brought to our attention that the existing brick sidewalks and pedestrian crossings no longer meet the current ADA standards. This area was reconstructed in the late 1990's, almost 20 years ago before brick sidewalks have been removed from any new sidewalk construction specification. Staff review of the design determined that the new signal layout should utilize the "2 signal pole" concept with all the existing brick sidewalks removed in order to install the new conduit, wiring, and bases for the new pedestrian signal heads. This will allow the sidewalks to be replaced with colored concrete.

For that reason, it makes sense to replace the entire intersection with new colored concrete and comply with the current ADA specifications. This will increase the construction cost of the project that has been anticipated and are available with LOST funds.

The plans and specifications include the following:

- Construction cost is estimated at approximately $500,000.00
- Installation of traffic signal, and the traffic poles preordered by the City
- Remove and replace the intersection and sidewalks
- Close Willman Street during construction and establish detour routes
- Project is budgeted with LOST funds
- The project schedule:
    - Set Public Hearing May 15, 2019
    - Take bids June 4, 2019
    - Public hearing, approve plans, specifications, contract, estimate of cost June 5, 2019
    - Council award contract and bond June 5,2019

- Early start date June 17, 2019
- Complete project by September 2019

Engineering has reviewed the plans and specifications and recommend we move forward with the project calendar.

Any further questions please let me know.

PLANS OF PROPOSED IMPROVEMENTS FOR

CITY OF HIAWATHA

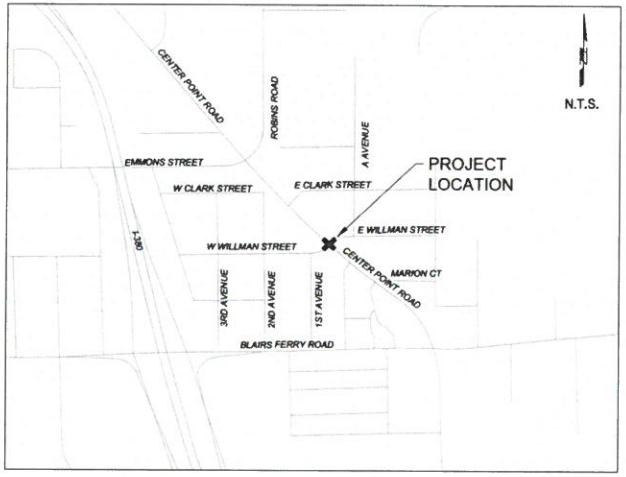
LINN COUNTY, IOWA

Center Point Road & Willman Street

Traffic Signal

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS)

PROJECT LOCATION MAP



Mayor And City Council
Bill Bennett (Mayor) Aime Wichtendahl
Denny Norton Dick Olson
Rob Archibald Steve Dodson

TOTAL SHEETS: 31

SHEET INDEX

SHEET NO.	SHEET TITLE
A.01	COVER SHEET
A.02	LEGEND
A.03	DEMOLITION PLAN
A.04 - A.05	GENERAL NOTES
C.01 - C.02	QUANTITIES
E.01	SIDE STREET PLAN AND PROFILE
E.02	INTERSECTION LAYOUT
F.01	GRADING PLAN
F.02	EROSION CONTROL PLAN
G.01	GEOMETRIC CONTROL
J.01 - J.07	TRAFFIC CONTROL PLAN
K.01	LANDSCAPE PLAN
L.01	JOINTING PLAN
N.01 - N.07	TRAFFIC SIGNAL
S.01 - S.03	SIDEWALK DETAILS

HIAWATHA PUBLIC WORKS DEPARTMENT

THIS ENGINEERING DOCUMENT IS RECOMMENDED FOR FILING WITH THE CITY CLERK

CITY ENGINEER DATE

LICENSED PROFESSIONAL ENGINEER
BARRETT HUBBARD
23274
IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE

NAME: BARRETT HUBBARD

DATE: 05/03/2019 LICENSE NUMBER: 23274

MY LICENSE RENEWAL DATE IS: DECEMBER 31, 2019

PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL: ALL

IOWA ONE CALL

1-800-292-8989

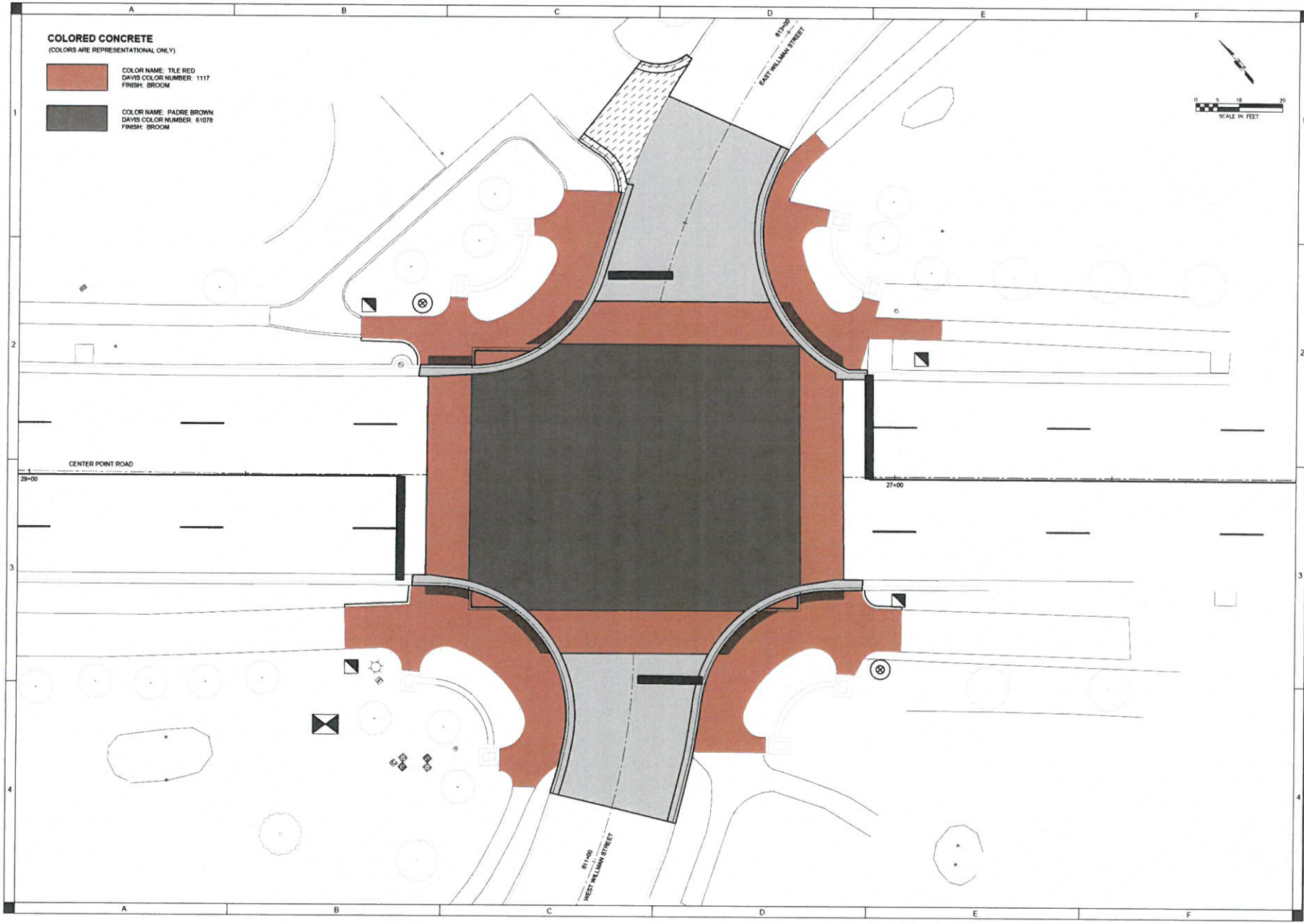
The Utilities as shown on this drawing were developed from the information available. This is not implied nor intended to be the complete inventory of utilities in this area. It is the clients/contractors responsibility to verify the location of all utilities (whether shown or not) and protect said utilities from any damage.

SHIVEHATTERY
ARCHITECTURE + ENGINEERING
316 Second Street SE Suite 500 | Cedar Rapids, Iowa 52401
319.364.0227 | www.shive-hattery.com
Iowa | Illinois | Indiana

CENTER POINT ROAD & WILLMAN STREET TRAFFIC SIGNAL
CITY OF HIAWATHA

05-03-2019
CONSTRUCTION
PROJECT NO: 2183580
CLIENT NO:

A.01



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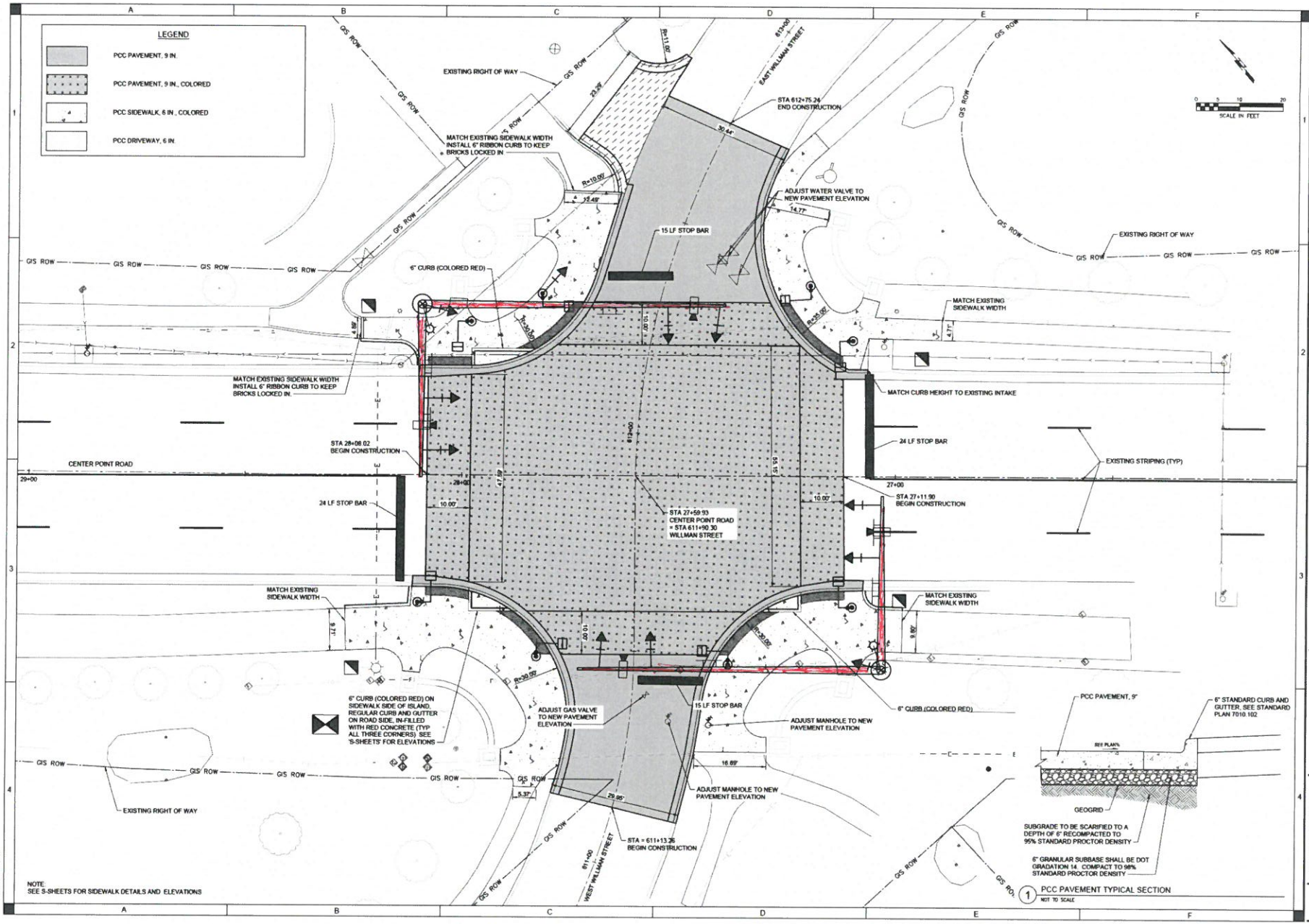
319 Second Street SE Suite 500 | Cedar Rapids, Iowa 52401
319 364 0227 | www.shive-hattery.com
Iowa | Illinois | Indiana

CENTER POINT ROAD &
WILLMAN STREET
TRAFFIC SIGNAL
CITY OF HIAWATHA

DRAWN: BH
APPROVED: MAJ
ISSUED FOR: CONSTRUCTION
DATE: 05-03-2019
PROJECT NO: 31-18080
FIELD BOOK: --
CLIENT NO:

INTERSECTION
LAYOUT

E.02



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Iowa | Illinois | Indiana

CENTER POINT ROAD & WILLMAN STREET TRAFFIC SIGNAL
CITY OF HIAWATHA

DRAWN: BH
APPROVED: MHJ
ISSUED FOR: CONSTRUCTION
DATE: 05-03-2018
PROJECT NO: 218080
FIELD BOOK: —
CLIENT NO:

SIDE STREET PLAN AND PROFILE

E.01

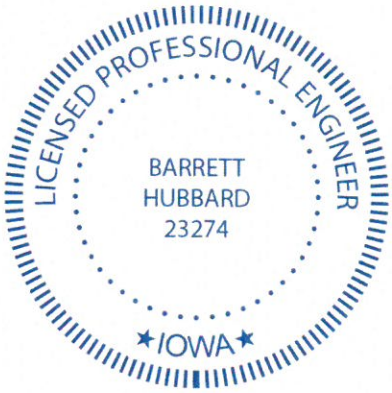
PLANS
&
SPECIFICATIONS

FOR

CITY OF HIAWATHA
CENTER POINT ROAD & WILLMAN STREET
TRAFFIC SIGNAL

2019

HIAWATHA, IOWA



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

_____ 05/09/2019

SIGNATURE **DATE**

PRINTED OR TYPED NAME: BARRETT HUBBARD
LICENSE NUMBER: 23274
MY LICENSE RENEWAL DATE IS: 12/31/2019
PAGES, SHEETS, OR DIVISIONS COVERED BY THIS SEAL: Signal Special Provisions

NOTICE TO BIDDERS AND
NOTICE OF PUBLIC HEARING
JURISDICTION OF CITY OF HIAWATHA IOWA, IOWA PUBLIC IMPROVEMENT PROJECT

Notice is hereby given that a public hearing will be held by the City of Hiawatha, Iowa on the proposed contract documents (plans, specifications, and form of contract) and estimated cost for the improvement at its meeting at 5:30 P.M, on Wednesday, June 5, 2019 in said City Hall Council Chambers for the City of Hiawatha Iowa - Center Point Road & Willman Street Traffic Signal project.

Sealed bids for the work comprising each improvement as stated below must be filed before 10 AM. according to the clock in the City Clerk's office, on Tuesday, June 04, 2019, in the office of the City Clerk, City of Hiawatha, 101 Emmons Street, Hiawatha, IA 52233. Bids received after the deadline for submission of bids as stated herein shall not be considered and shall be returned to the late bidder unopened.

Sealed proposals will be opened and bids tabulated at 10 A.M. on Tuesday, June 04, 2019, in the City Hall Council Chambers for consideration by the City of Hiawatha, Iowa at its meeting on Wednesday, June 05, 2019.

Work on the improvement shall be commenced immediately upon approval of the contract by the Council, and be completed as stated below.

Copies of the Bidding Documents may be obtained only through Rapids Reproductions via their website at http://dfs.rapidsrepro.com (select "Shive-Hattery Planroom"); by phone at 319-364-2473; or in person at 6015 Huntington Ct NE, Cedar Rapids IA 52402, in accordance with the Instructions to Bidders. No deposit will be required for the documents.

Bid Documents may be examined at the following locations:

City of Hiawatha Office of the City Clerk City Hall 101 Emmons Street Cedar Rapids, IA 52233	McGraw Hill Construction Dodge 4300 Beltway Place, Ste. 180 Arlington TX 76018	Master Builders of Iowa 221 Park Street Des Moines, IA 50309
North Iowa Builders Exchange 9 North Federal Ave Mason City, IA 50401	Reed Construction Data Document Processing Center 30 Technology Parkway South, Ste 500 Norcross, GA 30092-2912	iSqFt + BidClerk Attn: Reprography 4500 Lake Forest Dr, Ste. 502 Cincinnati OH 45242
Dodge Plan Room 3315 Central Ave Hot Springs, AR 71913	Eplan Room 3806 Buttonwood Drive, Ste. 106 Columbia, MO 65201	McGraw Hill Construction Dodge 4300 Beltway Place, Ste. 180 Arlington TX 76018

By virtue of statutory authority, preference will be given to products and provisions grown and coal produced within the State of Iowa, and to Iowa domestic labor, to the extent lawfully required under Iowa statutes.

In accordance with Iowa statutes, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country gives or requires any

SHIVEHATTERY
ARCHITECTURE • ENGINEERING

City of Hiawatha Center Point Rd and Willman Traffic Signal
Opinion of Probable Construction Costs
Quantities - Revised 05/09/2019

ITEM NO.	ITEM CODE	ITEM	UNIT	UNIT PRICE	TOTAL QUANTITY	TOTAL PRICE
1	2010-108-D-3	Topsoil, Off-site	CY	$ 32.00	30.0	$ 960.00
2	2010-108-E-0	Excavation, Class 10	CY	$ 25.00	58.8	$ 1,470.00
3	2010-108-G-0	Subgrade Preparation	SY	$ 3.50	1,030.3	$ 3,606.05
4	2010-108-I-0	Subbase, Modified, 6 IN.	SY	$ 12.00	1,030.3	$ 12,363.60
5	2010-108-L-0	Compaction Testing	LS	$ 1,500.00	1.0	$ 1,500.00
6	5020-108-F-0	Valve Box Extension	EA	$ 650.00	4.0	$ 2,600.00
7	6010-108-E-0	Manhole Adjustment, Minor	EA	$ 800.00	2.0	$ 1,600.00
8	7010-108-A-0	PCC Pavement, 7 IN.	SY	$ 65.00	327.8	$ 21,307.00
9	7010-108-A-0	PCC Pavement, Colored, 9 IN.	SY	$ 105.00	702.5	$ 73,762.50
10	7010-108-I-0	PCC Pavement Samples and Testing	LS	$ 1,500.00	1.0	$ 1,500.00
11	7030-108-A-0	Removal of Sidewalk	SY	$ 8.00	348.6	$ 2,788.80
12	7030-108-A-0	Removal of Driveway	SY	$ 10.00	35.2	$ 352.00
13	7030-108-E-0	PCC, Sidewalk, Colored 6 IN.	SY	$ 75.00	346.6	$ 25,995.00
14	7030-108-G-0	Detectable Warning	SF	$ 45.00	222.3	$ 10,003.50
15	7030-108-H-1	Driveway, Paved, PCC, 6 IN.	SY	$ 60.00	35.2	$ 2,112.00
16	7030-108-I-0	Sidewalk Assurance Testing	LS	$ 1,500.00	1.0	$ 1,500.00
17	7040-108-H-0	Pavement Removal	SY	$ 9.50	1,030.0	$ 9,785.00
18	7080-108-B-0	Geogrid	SY	$ 5.00	1,030.3	$ 5,151.50
19	8010-108-A-0	Traffic Signal	LS	$ 170,000.00	1.0	$ 170,000.00
20	8010-108-A-1	Traffic Signal - Installation of City Provided Poles.	LS	$ 10,000.00	1.0	$ 10,000.00
21	8020-108-C-0	Painted Pavement Markings, Durable	STA	$ 20.00	468.0	$ 9,360.00
22	8030-108-A-0	Temporary Traffic Control	LS	$ 6,500.00	1.0	$ 6,500.00
23	9020-108-A-0	Sod	SY	$ 7.50	293.2	$ 2,199.00
24	9030-108-D-0	Plants with Warranty	LS	$ 3,500.00	1.0	$ 3,500.00
25	9030-108-F-0	Rock Mulch, 3 IN.	SY	$ 25.00	84.5	$ 2,112.50
26	9040-108-D-1	Compost Filter Sock, 12 IN.	LF	$ 4.00	445.6	$ 1,782.40
27	9040-108-T-1	Inlet Protection Device, Filter Sock	EA	$ 150.00	2.0	$ 300.00
28	10,010-108-A	Removal of Light Pole	EA	$ 1,000.00	2.0	$ 2,000.00
29	11,010-108-A	Construction Survey	LS	$ 5,500.00	1.0	$ 5,500.00
30	11,020-108-A	Mobilization	LS	$ 25,000.00	1.0	$ 25,000.00
31	11,050-108-A-0	Concrete Washout	LS	$ 2,000.00	1.0	$ 2,000.00

CONSTRUCTION SUBTOTAL	$418,611
TOTAL	**$418,611**

*The Architect/Engineer, as a design professional familiar with the construction industry, has prepared this opinion of the Probable Cost of Construction. It is recognized, however, that neither the Architect/Engineer nor the Owner has control over the cost of labor, materials, or equipment, over the Contractor's method of determining bid prices, or over competitive bidding, market, or negotiating conditions. Accordingly, the Architect/Engineer cannot and does not warrant or represent which bids or negotiated prices will not vary from the Probable Cost of Construction.

RESOLUTION NO. 19-
City Council

RESOLUTION SETTING PUBLIC HEARING DATE FOR THE 2019 CENTER POINT ROAD AND WILLMAN STREET TRAFFIC SIGNAL PROJECT

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA to direct the City Clerk to proceed with notification of a public hearing that will be held in the Hiawatha Council Chambers, 101 Emmons Street, before the Hiawatha City Council on Wednesday, June 5, 2019 at 5:30 P.M. to consider adoption and placing on file of plans, specifications, form of contract and estimate of cost for the 2019 Center Point Road and Willman Street Traffic Signal Project, and further direct publication of notice to bidders.

AYES:
NAYS:

PASSED AND APPROVED this 15th day of May, 2019.

_____
Bill Bennett, Mayor

ATTEST:

_____
Amy Scheer, Deputy City Clerk