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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:** **March 14, 2019**

From: **John C Bender PE, City Engineer**

Re: **2019 Willman Street Signal Project**

Description: **Amendment No 1 for Engineering Contract**

Report:

Hiawatha has contracted with Shive Hattery Engineers to prepare the plans and specifications for the 2019 Willman Street Signal Project. This includes new semi-actuated traffic signals at Willman Street and Center Point Road. As we review the draft plans, it has been brought to our attention that the existing brick sidewalks and pedestrian crossings no longer meet the 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.

The staff review of the design has determined that the new signal layout should utilize the "2 signal pole" concept, with mast arms located on only northeast corner and the southwest corner of the intersection. This design will have less impact on any utilities in the area. However all the existing brick sidewalks must be removed in order to install all the new conduit, wiring, and bases for the new pedestrian signal heads. This will require the sidewalks to be replaced with colored concrete.

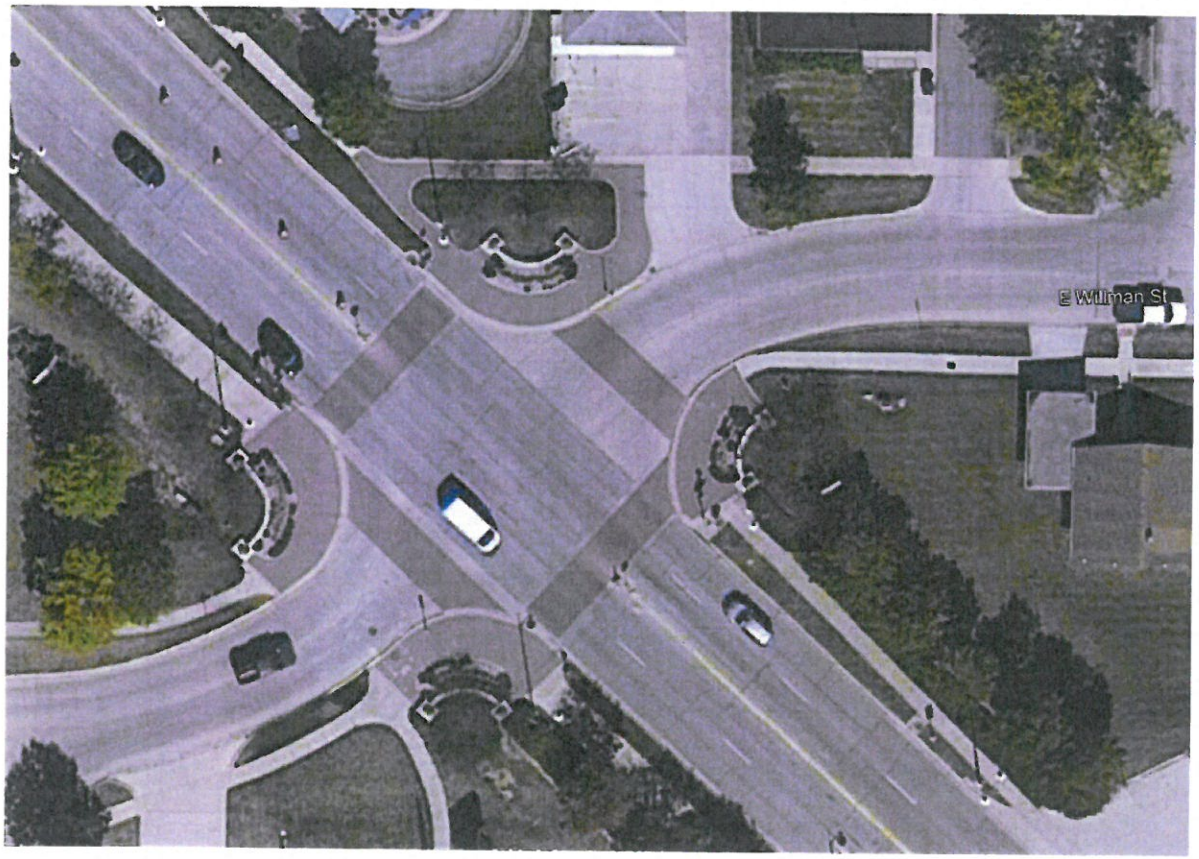
Also after reviewing the existing crosswalks, they also do not meet the cross-slope specifications for the current ADA standards. For that reason, it appears to make sense to replace the entire intersection with new colored concrete and comply with the current ADA specifications. This will increase the construction cost of the project from approximately $200,000 to approximately $400,000. These additional costs have been anticipated and are available with LOST funds.

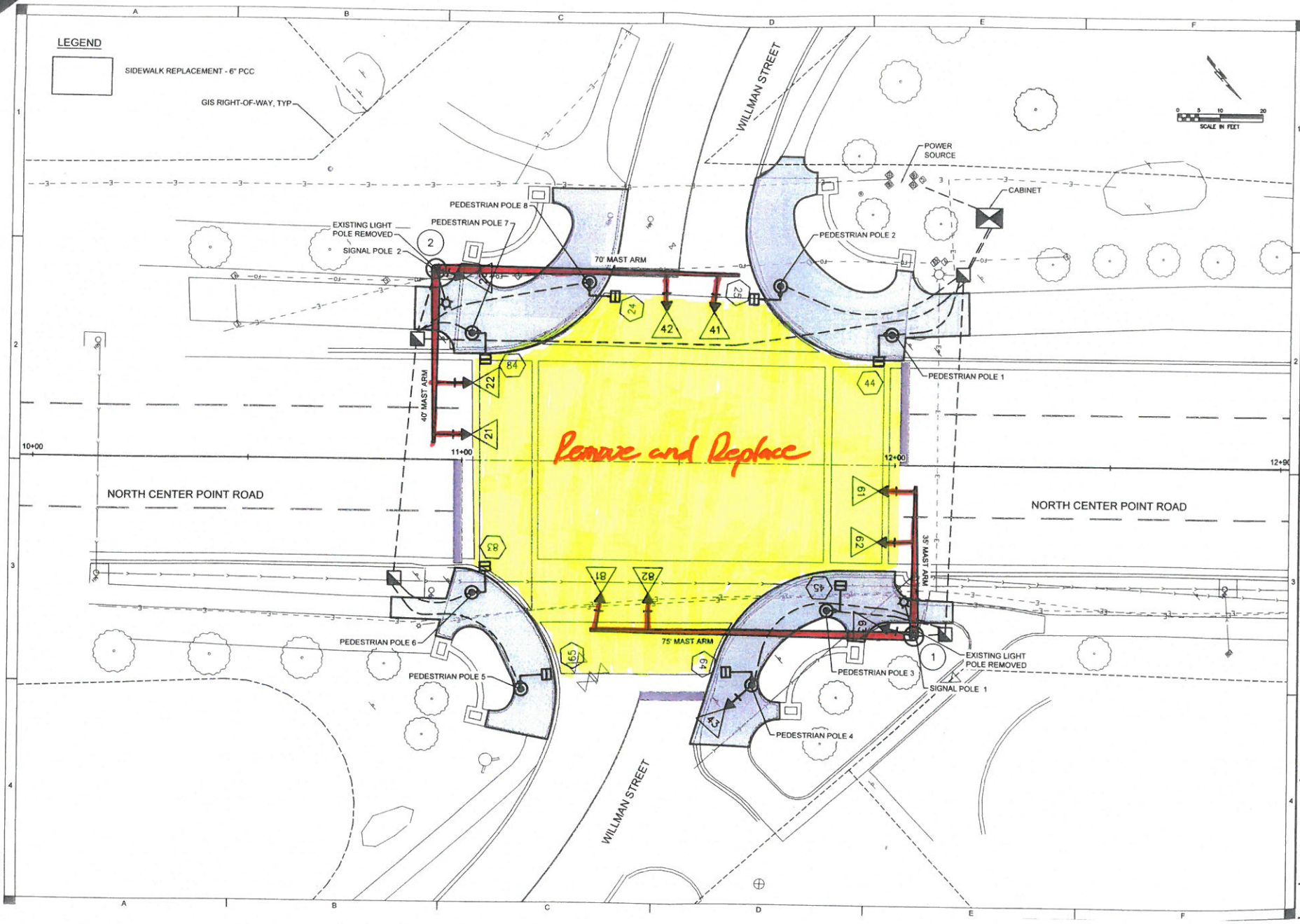
We also want to proceed with ordering the signal poles and mast arms as this material delivery can be as much as 20 weeks. We need to put a quote package together to have the suppliers provide us a price to manufacture the poles.

Amendment No. 1 to the engineering contract is for the additional survey and design to develop plans for the replacement of the intersection with new concrete street paving and crosswalks and the pole quote package for the signal materials. This amendment for $10,500.00 is an addition to the design contract for this extra work.

Engineering recommends approval. Any question please let me know.

Center Point Road and Willman St intersection reconstruction and traffic signal





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

WILLMAN STREET/NORTH CENTER POINT ROAD INTERSECTION IMPROVEMENTS

CITY OF HIAWATHA
HIAWATHA, IOWA

PRELIMINARY - NOT FOR CONSTRUCTION

DRAWN: EAV
APPROVED: BH
ISSUED FOR: PRELIMINARY PLANS
DATE: 01-31-2019
PROJECT NO: 2182880
FIELD BOOK:
CLIENT NO:

TRAFFIC SIGNAL PLAN

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SHIVEHATTERY
ARCHITECTURE + ENGINEERING

AMENDMENT TO AGREEMENT between SHIVE-HATTERY, INC. AND THE CLIENT

ATTN: John Bender
CLIENT: City of Hiawatha, IA
101 Emmons Street
Hiawatha, IA 52233

PROJECT: City of Hiawatha - Signal at Willman

PROJECT LOCATION: Hiawatha, IA

ORIGINAL AGREEMENT DATE: December 19, 2018

AMENDMENT NO.: 1

AMENDMENT DATE: March 13, 2019

City of Hiawatha, IA and Shive-Hattery, Inc. (S-H) agree to amend the Original Agreement as follows:

PROJECT DESCRIPTION

The Project Description is revised as follows:

Project limits have been expanded to include professional design and engineering for:

- The four (4) intersection crosswalks (Willman and Center Point Road); and,
- The east and west approaches on Willman in order to address ADA compliance issues.

Shive-Hattery will continue design to the approved preliminary plans issued on January 31, 2019 (reviewed with you on February 6, 2019). If there are significant changes made to the design (i.e. relocation of pole placement from preliminary plans) the scope, schedule and fee will be renegotiated.

SCOPE OF SERVICES

The provided services are revised as follows:

NO CHANGES

Tasks for the Scope of Services are revised as follows:

1. **Land Survey Services:**
   a. Provide Topographic Survey.
   b. Prepare Base Map for Topographic Survey.
2. **Roadway Design:**
   a. Provide Check and Final Plans of the four (4) intersection crosswalks.
   b. Provide Check and Final Plans of the east and west approaches from the crosswalks to a tie-in in both directions (tie-in point to be determined).

Shive-Hattery | 222 Third Avenue SE | Suite 300 | PO Box 1803 | Cedar Rapids, IA 52406-1803 | 319.364.0227 | shive-hattery.com

3. **Pole Package:**

   a. Provide separate signal pole package to order poles in advance of the award of the intersection improvements. Deliverable to include: Pole location and sizes, specifications, cost opinion and form of proposal.

CLIENT RESPONSIBILITIES

Client Responsibilities are revised as follows:

NO CHANGES

SCHEDULE

The Schedule is revised as follows:

Below project milestone schedule is anticipated after Notice to Proceed is given:

Description:	**Week:**
~~*Kickoff Meeting:*~~	~~*Week 1*~~ *Completed in Original Contract*
Land Survey Services:	Week 1-2
~~*Preliminary Plans:*~~	~~*Week 3*~~ *Completed in Original Contract*
~~*Review Period:*~~	~~*Week 5*~~ *Completed in Original Contract*
Check Plans:	Week 3-5
Review Period:	Week 6
Final Plans:	Week 7

Note: The above schedule will apply to the entire project, including original and amended scope.

COMPENSATION

The previous Compensation was as follows:

Description	Fee Type	Fee	Estimated Expenses
Design Services for Signal at Willman	Fixed Fee	$24,500	Included
ESTIMATED TOTAL		***$24,500***	***Included***

The Compensation is revised as follows:

Description	Fee Type	Fee	Estimated Expenses
Design Services for Signal at Willman	Fixed Fee	$24,500	Included
Amendment 1	Fixed Fee	$10,500	Included
ESTIMATED TOTAL		***$35,000***	***Included***

Fee Types:

- Fixed Fee - We will provide the Scope of Services for the fee amounts listed above.

Expenses:

- Included - Expenses have been included in the Fee amount.

ADDITIONAL SERVICES

The Additional Services are revised as follows:

NO CHANGES

AGREEMENT

When accepted by both parties, this Amendment will amend the Original Agreement and is subject to all other terms and conditions of the Original Agreement. Original, facsimile, electronic signatures or other electronic acceptance by the parties (and returned to Shive-Hattery) are deemed acceptable for binding the parties to the Amendment. The Client representative signing this Amendment warrants that he or she is authorized to enter into this Amendment on behalf of the Client.

Sincerely,
SHIVE-HATTERY, INC.

Jordan Dreyer

Jordan Dreyer, Project Manager
jdreyer@shive-hattery.com

AMENDMENT ACCEPTED AND SERVICES AUTHORIZED TO PROCEED

CLIENT: City of Hiawatha, IA

BY:_____ TITLE: _____
(signature)

PRINTED NAME: _____ DATE ACCEPTED: _____

CC: Marcus Januario, Shive-Hattery, Inc.
Justin Campbell, Shive-Hattery, Inc.

RESOLUTION NO. 19-
City Council

RESOLUTION APPROVING AMENDMENT #1 TO THE PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY OF HIAWATHA AND SHIVE HATTERY ENGINEERING, INC. IN CONNECTION WITH THE 2019 WILLMAN STREET SIGNAL PROJECT

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, that the Mayor is hereby authorized to sign Amendment #1 to the Professional Services Agreement between the City of Hiawatha and Shive Hattery Engineering, Inc. for the following purposes and under the following terms:

for additional engineering services necessary to expand the project to include design of intersection crosswalks and the east and west approaches on Willman Street, resulting in additional cost to the Agreement in the total amount of $10,500.00, as shown in the attached Exhibit 'A'. The Amendment to Agreement for the design of the 2019 Willman Street Signal Project by City Council Resolution #18-247 on December 19, 2018.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 20th day of March, 2019.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kari Graber, City Clerk