

**CITY OF PAPILLION  
MAYOR AND CITY COUNCIL REPORT  
JUNE 6, 2023 AGENDA**

<b>Subject:</b>	<b>Type:</b>	<b>Submitted By:</b>
A resolution to approve the Professional Services Agreement Addendum No. 1 between the City of Papillion and Felsburg, Holt, and Ullevig – Citywide Opticom Design	Resolution No. <i>R23-0098</i>	Michael Kleffner, P.E. Public Works Director

**SYNOPSIS**

This resolution, if approved, will amend the Professional Services Agreement between the City of Papillion and Felsburg, Holt, & Ullevig (FHU), for engineering services for the Citywide Opticom Design, including installation of Flashing Yellow Arrow (FYA) signal heads at locations being modified by EVP upgrades, as budgeted for the 2022/2023 fiscal year.

**FISCAL IMPACT**

The cost of the additional services outlined in the Addendum is \$13,705.

The original contract amount was \$24,000. Total including addendum will be \$37,705.

Funds are available in the 2022/2023 Budget Line Item 11-0160-7263 (TRAFFIC SIGNALS) in the amount of \$604,624.25. This line item has sufficient funds to complete original contract amount (\$8,116.25 remaining) and provide for the addendum.

**RECOMMENDATION**

Approval

**BACKGROUND**

Through Resolution R22-0212, the City entered into a Professional Service Agreement with FHU for the design of the Citywide Opticom system for the EVP network. As the project developed, additional areas of investigation were identified as critical. These items are proposed to be further investigated as part of this addendum. These items include a review of current controller and cabinet equipment at 36 intersections and the modifications to traffic signal plans to include FYA signal heads, as well as an evaluation of intersections with existing FYA signal indications to establish consistency for traffic signals citywide.

**ATTACHMENTS:**

- |                            |         |
|----------------------------|---------|
| 1. Resolution No. R23-0098 | 1 page  |
| 2. Amendment No. 1         | 3 pages |

**RESOLUTION NO. R23-0098**

BE IT RESOLVED by the Mayor and City Council of the City of Papillion that Addendum No. 1 to the Agreement between the City of Papillion and Felsburg, Holt & Ullevig for engineering services for the Citywide Opticom Design Project is hereby approved contingent upon full execution by all the named parties.

PASSED AND APPROVED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2023.

CITY OF PAPIILLION

\_\_\_\_\_  
David P. Black, Mayor

ATTEST:

\_\_\_\_\_  
Nicole Brown  
City Clerk

(SEAL)



March 31, 2023

**RE: REVISED Citywide Opticom Design Proposal  
Addendum #1 re: Controller/Cabinet Review and Signal Head Modifications**

Mr. Michael Kleffner, P.E.  
Public Works Director  
City of Papillion  
9909 Portal Road, Building A  
Papillion, NE 68046

Dear Mr. Kleffner:

This revised proposal describes the scope of services necessary to provide engineering services for the installation of Flashing Yellow Arrow (FYA) signal heads at locations being modified by EVP upgrades throughout Papillion, Nebraska. This Addendum #1 is to provide a review of controller and cabinet equipment and to provide modifications to traffic signal plans to include FYA signal heads. Addendum #1 tasks are described as Task 4.

## **Scope of Services**

### **Task 1 DESIGN AND COST ESTIMATES**

No additional work is anticipated for this task as part of addendum #1.

### **Task 2. CONSTRUCTION PHASE SERVICES**

No additional work is anticipated for this task as part of addendum #1.

### **Task 3 PROJECT MANAGEMENT, QA/QC, MEETINGS, & COORDINATION**

No additional work is anticipated for this task as part of addendum #1.

### **Task 4 CONTROLLER/CABINET REVIEW AND SIGNAL HEAD MODIFICATIONS**

#### **Task 4.1 Controller/Cabinet Review**

FHU staff will review the internal equipment at each controller cabinet location to identify potential needed upgrades to facilitate the installation of varying equipment including new FYA heads, Opticom equipment, control plungers, etc.

#### **Task 4.2 Signal Head Modifications**

FHU staff will modify the project plans to include the installation of 3-Section or 4-Section permissive or protected/permissive FYA signal heads for left-turn phasing at the 36 intersections included in this project. The modifications will be based on existing permissive or protected/permissive signal head operation or as directed by City staff. Some intersections may already include FYA signal indications; each location will be checked for consistency.

## Fee Estimate & Schedule

We propose to conduct these services on a “time and materials” basis. Under such an agreement, we are compensated on an hourly basis for all labor and other direct costs, such as printing, are reimbursed at a rate of 1.1 times actual cost. The following are our standard hourly billing rates for the personnel expected to be involved in this project:

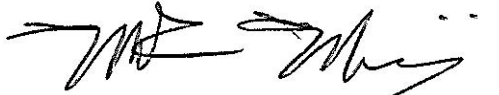
Principal II	\$ 295.00/Hour	Engineer I	\$ 115.00/Hour
Sr. Engineer	\$ 225.00/Hour	Intern II	\$ 85.00/Hour
Engineer V	\$ 195.00/Hour	Sr. Designer	\$ 190.00/Hour
Engineer II	\$ 130.00/Hour	Admin	\$ 95.00/Hour

At these standard hourly rates, we have estimated that the above scope could be completed for a revised contract maximum budget of **\$37,705**, which includes **\$13,705** for Addendum #1. A detailed fee estimate for Addendum #1 (Exhibit A). This amount would be added to the original contract and a new “not to exceed” limit would be established beyond which no charges could be made without the City’s prior written approval.

We appreciate the opportunity to provide these services to the City of Papillion and look forward to assisting you. If the additional scope of services and fee are acceptable, please have the appropriate official sign in the space provided below. Please return a signed copy of this contract proposal for our files. If you have any questions about this proposal, please call Adam Denney at (402) 210-4714.

Sincerely,

**FELSBURG HOLT & ULLEVIG**



Mark Meisinger, PE, PTOE  
Principal-in-Charge

Accepted By \_\_\_\_\_

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date



Adam Denney, PE, PTOE  
Project Manager

Attachments

*EXHIBIT A - Detailed Fee Estimate – Addendum #1*

