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Public Works

City Transit
263-8152

MEMORANDUM

To: Brian Stineman, Public Works Director
FROM: Jim Edgmond, City Engineer
DATE: Feb. 28, 2019
RE: Approve Plans and Specifications for Fulliam-Houser Mini Roundabout

Equipment Maintenance
Roadway Maintenance
Collection & Drainage
Building & Grounds
Engineering

INTRODUCTION:

The project design is complete and if the project is to be constructed during the school break this summer the plans and specifications for the project need to be approved for bidding.

BACKGROUND:

The public hearing for this project has been held. Considerable discussion has occurred about this project both pro and con. There are opponents to the project because they feel it is new (change) or they feel it will not solve the problem. The following bullet points are presented to clarify why this mini roundabout is the best alternative at this location.

- The existing condition, 2-way stop, creates substantial vehicle queues on Fulliam at the AM and PM peak traffic times.
- The existing condition will get worse when the new subdivision off W. Fulliam starts to fill in with houses.
- The mini roundabout will increase safety and handle the current traffic plus the anticipated increases in traffic from the proposed subdivision.
- The primary reason for the increase in safety is that the mini will slow down all traffic through the intersection but will minimize the number of vehicles that must stop at this intersection.
- The mini roundabout decreases the potential number of vehicle to vehicle conflict points from 32 at a four-way intersection, to 8 points of potential conflict. These 8 points of conflict are potential side to side impacts and at slower speeds than those of a four-way intersection. Head-on and "T" conflicts are eliminated. All these items increase the safety of the intersection.
- Slowing traffic and minimizing stops decreases the noise and exhaust pollution impacts to the residential property adjacent to this intersection.
- All other alternatives, 4-way stop, do nothing, and traffic signals will most likely not qualify for Traffic Safety Improvement Program (TSIP) money if we were to apply for money for these solutions at the next TSIP grant cycle.
- The mini roundabout does qualify for TSIP funding and the majority of the money will

"I remember Muscatine for its sunsets. I have never seen any on either side of the ocean that equaled them" — Mark Twain

- go to replacing pavement that needs to be replaced.
- The current grant award of TSIP money can only be used for this mini-roundabout. It cannot be used for another alternative or plan at this intersection.
- A four-way stop was installed on a trial basis a few years ago. It was taken out due to the complaints about huge delays it caused to all four legs of the intersection. At the PM peak traffic the intersection occasionally backed up to the Cedar Street signalized intersection. Complaints were taken from one resident at the intersection about the increase in noise from all the cars stopping and restarting and the increase in exhaust pollution.

This project, if approved, would follow this proposed schedule:

Set Public Hearing	2-07-2019	completed
Public Hearing and Approve Plans and Specifications	3-7-2019	
Bid Opening	4-23-2019	
Recommendation to Award	5-2-2019	
Approve Contract and Bond	5-16-2019	
Issue Notice to Proceed	Summer vacation start	

RECOMMENDATION/RATIONALE:

Recommend city council pass resolution to approve plans and specifications for the project.

BACKUP INFORMATION: none

RESOLUTION NO. _____

**APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT, COST
ESTIMATE AND SETTING DATE FOR RECEIPT OF BIDS**

FOR: HOUSER AND FULLIAM MINI-ROUNDBOUT

WHEREAS, there is on file in the Office of City Clerk a copy of the plans, specifications, form of contract, and notice to bidders prepared by the City Engineer for the proposed Houser and Fulliam Mini-Roundabout; and

WHEREAS, said plans, specifications, form of contract, and cost estimate have been Examined by this Council;

NOW, THEREFORE, BE IT RESOLVED BY THIS COUNCIL that:

1. All objections to the foregoing plans, specifications, form of contract, notice to bidders, and cost estimate are overruled.
2. The foregoing plans, specifications, form of contract, notice to bidders, and Cost estimate are finally approved.
3. Date for Receipt of Bids will be April 23, 2019.

(Notice to Bidders Attached)

PASSED, APPROVED AND ADOPTED THIS 7TH DAY OF MARCH, 2019.

CITY COUNCIL OF THE CITY OF MUSCATINE, IOWA

Diana Broderson, Mayor

ATTEST:

Gregg Mandsager, City Administrator

NOTICE TO BIDDERS
Houser and Fulliam Mini-Roundabout Project

Notice is hereby given that the City of Muscatine, Iowa, will receive sealed proposals in the office of the City Clerk, City Hall, (215 Sycamore Street, Muscatine, IA 52761) until 10:00 a.m., Tuesday, April 23, 2019, for the Houser and Fulliam Mini-Roundabout Project for the City of Muscatine. At 10:10 a.m. on the same day the City's Purchasing Agent shall open the bids received and announce the results in the City Hall Council Chambers.

Bids will be reported to the City Council at their meeting to be held at 7:00 p.m., Thursday, May 02, 2019. Said proposals shall be acted on at that time or at such later time and place as may then be fixed.

Description of the Type and Location of the Project

The Houser and Fulliam Mini-Roundabout is located at the intersection of Houser Street and Fulliam Avenue. Construction primarily includes pavement removal, excavation, concrete paving, subdrains, granular subbase, underground utility improvements, and sidewalk. All streets are within corporate city limits of Muscatine, Iowa. Work must be substantially completed by first day of the 2019-2020 school year.

Proposals shall be submitted on a form furnished by the City and accompanied by a bid security in an amount equal to five (5) percent of the bid and shall stand as security that the successful bidder will enter into a contract for the work bid upon within ten (10) days after acceptance of his proposal by the City.

The City reserves the right to defer acceptance of any proposal for a period not to exceed thirty (30) calendar days and to reject any and all bids, to waive technicalities and to enter into such contract as it shall deem for the best interest of said City.

The Contractor must ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, sex or national origin.

Payment to the Contractor will be made from funds legally available for that purpose. Payment will be made on the basis of monthly estimates equal to ninety-five (95) percent of the contract price. The balance of the five (5) percent due to the contractor will not be made earlier than thirty (30) days from the final acceptance of said work by the City, subject to the conditions and in accordance with the provisions of Chapter 573 of the Code of Iowa. Before final payment will be made, the Contractor shall certify that all materials, labor and services have been paid for.

All work is to be performed and completed under the guidelines of OSHA and in strict compliance with plans and specifications prepared by the City of Muscatine Public Works Department, which have heretofore been approved by the City Council and are now on file for public examination.

Contract Documents

Proposed plans, specifications, and contract documents may be available for review at the Public Works Department, 1459 Washington Street, Muscatine, Iowa 52761, between the hours of 8:00 a.m. and 5:00 p.m., Monday thru Friday.

You may request plans from Shive-Hattery, Inc. located at 222 Third Avenue SE, Suite 300, Cedar Rapids, IA 52401 (319-364-0227). An electronic set will be available at the Muscatine Public Works Department.

This Notice is published by order of the City Council of the City of Muscatine, Iowa.

Gregg Mandsager, City Administrator