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**Public Works**

City Transit  
263-8152

**MEMORANDUM**

Equipment Maintenance  
Roadway Maintenance  
Collection & Drainage  
Building & Grounds  
Engineering

To: Kristy Korpi, Interim Public Works Director  
FROM: Jim Edgmond, City Engineer  
DATE: May 05, 2016  
RE: Cleveland Street from 2<sup>nd</sup> Ave. to Park Ave. Frontage Road

**INTRODUCTION:**

This stretch of Cleveland Street has deteriorated to a point that the Street Department has designated it for rehabilitation. Discussions between the Street department and Engineering have resulted in requesting this design contract to help the City design and estimate the cost of an appropriate rehabilitation strategy for this section of street. This design contract will also help with designing a rehabilitation strategy that will fit the budget for this project.

**BACKGROUND:**

The City has selected Martin Whitacre from Muscatine, Iowa to do the design and a fee for the design has been proposed and is contained on the attached proposal. The intent is to do this design to preliminary design stage and use that cost estimate to start the process of integrating the rehabilitation strategy with the budget to find a solution that fits within the City's budget. No STP federal funds are anticipated to be used to pay the project design fee nor the construction.

**Award of Design Contract:**

The total cost of the consultant's proposal is \$9,000.00 for survey and \$15,000.00 for the preliminary and final design plus post design services including asbuilt plans. The total project design contract is \$24,000.00. The proposal has been reviewed by Public Works staff and is recommended to the City Council for approval. Several items are excluded and will be tasks the Public Works staff will do. The contract and associated project manual will be done by City staff and the construction management will be done by City staff. It is staff's opinion that a geotechnical investigation is not needed for this project.

**RECOMMENDATION/RATIONALE:**

Recommend city council approve this proposal from Martin Whitacre in the amount of \$24,000.00

**BACKUP INFORMATION:**

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

1. Proposal dated May 03, 2016.



**Martin & Whitacre  
Surveyors & Engineers, Inc.**

Gary Whitacre, President  
Matt Krause, Vice-President  
Seth Whitacre, Secretary

May 3, 2016

Jim Edgmond, P.E.  
City Engineer  
City of Muscatine

Re: Cleveland Street Rehabilitation Project

Dear Jim,

Based upon our conversation we understand the scope of work for the Cleveland Street Rehabilitation to include:

- Replacement of deteriorated mainline paving and selected curb & gutter sections
- Possible extension of storm sewer and replacement of intakes at 2<sup>nd</sup> Street

Based upon our communications and the expected scope of improvements, we propose to provide the following services:

**Topographic Survey:**

Topographic Survey of all grades, utilities and improvements within the expected project boundaries generally defined as:

- Cleveland Street corridor from Park Avenue to 2<sup>nd</sup> Avenue at the Hy-Vee entrance
- All grades between the sidewalks
- 25 feet beyond the corridor at intersecting streets and driveways
- Location of structures within expected corridor and measuredowns for selected structures (approximately five structures total)

**Engineering Study:**

We will walk the site with City staff to identify pavements sections in need of repair and identify potential design issues. The information gathered will be combined with topographic data to develop preliminary cost estimates. The estimates will likely compare complete replacement with a limited main-line replacement approach. We will coordinate costs estimates with City staff to develop a budget and guide construction plan development.

**Engineering Design:**

We will develop construction plans addressing: pavement removal, pavement replacement, stormwater improvements and ancillary improvements. We expect the work to include: large scale plan, plan & profile sheets, typical sections, pavement grades and utility work

We do not expect to provide bidding documents or detailed specifications. We will provide an engineer's estimate for the final construction plans.

**Deliverables:**

- Preliminary layout
- Preliminary Cost estimates for two options
- Signed Construction plans via PDF format
- CAD Files for City/MAGIC records
- As-built survey of improvements

**Clarifications:**

- Plans will include references to current City and SUDAS Standards Specifications with special provisions noted. The City will provide all "front end" and proposal information
- The City will solicit bids, conduct bid letting and provide all contractual work. Our work will include limited guidance and bidder clarifications
- The City will perform construction inspection, testing and guidance and will retain liability for all construction related issues
- We will provide quantities and an engineer's estimate with submittal of final plans. The City shall provide its own estimate for notification purposes
- Our base plans will include benchmarks and coordinates needed for construction staking.
- We assume that no soil boring or geotechnical services will be required
- We assume that no street lighting or signage design will be required
- Our plans will address SWPPP issues, the City will provide NPDES documentation, inspections and reporting

In order to expedite our work, we request that the City make the following information available to us:

- Recent MAGIC aerial imagery
- City Base Mapping with streets and buildings
- City storm and sewer mapping
- MPW utility mapping

**Fees:**

Topographic Survey:	\$9,000
Engineering Study:	\$5,000
Engineering Design:	\$8,000
Post Design Engineering:	\$3,000**

We provide the preceding work scope at an hourly not-to-exceed basis

**\*\* Optional services to attend post design meetings on-site or at City offices at the City's request**

We appreciate the opportunity to provide a proposal for this project. Please contact me with any questions or comments.

Respectfully submitted;

MARTIN & WHITACRE SURVEYORS & ENGINEERS, INC.

A handwritten signature in black ink, reading "Adam Shutt". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Adam Shutt, P.E. LEED AP  
ashutt@martin-whitacre.com

#CLEVELAND STREET PROPOSAL.docx