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Public Works

City Transit  
263-8152

MEMORANDUM

Equipment Maintenance  
Roadway Maintenance  
Collection & Drainage  
Building & Grounds  
Engineering

To: Randy Hill, Public Works Director  
FROM: Jim Edmond, City Engineer  
DATE: June 16, 2015  
RE: Mulberry Ave. from Palms Drive to Houser Street Reconstruction Project

INTRODUCTION:

The gap between the end of Diana Queen Drive and the end of Steamboat Way has been designated for construction by the City. This project design work is designated to be given to a consultant to perform the design.

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. No federal funds are anticipated to be used to pay the project design fee. The planning construction cost estimate from Public Works for this project is \$350,000.00. The project will include new PCC pavement installed over the existing grading, and utilities that were previously constructed. The goal for this project is to have this road constructed prior to the start of the Mulberry project so this street can function as a detour route for Baton Rouge Drive.

**Award of Design Contract:**

The total cost of the consultant's proposal is \$11,300.00. 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 documents 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 \$11,300.00

BACKUP INFORMATION:

1. Proposal dated May 26, 2015.

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



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

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

May 26, 2015

Jim Edgmon<sup>d</sup>, P.E.  
City Engineer  
City of Muscatine

Re: Dianna Queen Drive Improvements

Dear Jim,

Based upon our conversation we understand the scope of work for the Dianna Queen Drive Improvements to include:

- Grading, paving and trail improvements from the current end of Dianna Queen to Steamboat Way
- A protected overflow route for the existing detention basin

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 of fifty feet of the proposed right of way

**Engineering Design:**

- Development of construction plans addressing plan & profile, expected quantities, typical sections, utilities, erosion control and detention basin outfall.
- Review of existing detention basin routing and capacity

**Deliverables:**

- 50% plans for review with City Staff
- Signed Construction plans via PDF format
- CAD Files for City Records or construction staking by others

**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:	\$1,650
Engineering Design:	\$6,000
Construction Staking:	\$1,650*
Post Design Engineering:	\$2,000**

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

\*Construction Staking assumes 25' paving stakes along the entire 700' +/- project length

\*\* 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 us with any questions or comments.

Respectfully submitted;

MARTIN & WHITACRE SURVEYORS & ENGINEERS, INC.



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