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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 Edgmond, City Engineer  
DATE: August 11, 2015  
RE: Musser to Wiggins Road Trail, Preliminary and check plan design

INTRODUCTION:

The new portion of this trail has been surveyed and easements are being prepared. To expedite the design of this new trail route a proposal was solicited from Lutz Engineering to develop new plan and profile sheets for the trail. Once these sheets are prepared the city staff will complete the design with quantities and an estimated cost. Lutz is a good candidate to accomplish this work because of the trail design work he did as the City Engineer.

BACKGROUND:

This redesign is necessary due to the rerouting of the trail and the donation of land from a benevolent land owner to allow the trail to get to Deep Lakes Park. The proposal is a not to exceed amount of \$13,000.00. It also includes fee to design and coordinate the Dick Drake Way trail crossing with the CP Rail.

RECOMMENDATION/RATIONALE:

Recommend city council approve this proposal for Preliminary Design for the Musser to Wiggins Road trail alignment.

BACKUP INFORMATION:

1. Lutz Eng. Proposal

**Lutz Engineering & Consulting PLC**

111 Middle Road  
Muscatine, Iowa 52761

Jim Edgmond  
City Engineer  
Muscatine Public Works  
1459 Washington Street  
Muscatine, Iowa 52761

August 11, 2015

RE: Engineering and Consulting Services  
Musser Park to Wiggen's Rd Trail

Dear Jim,

I appreciate the opportunity to submit this proposal to the City of Muscatine. The Musser Park to Wiggen's Road Trail project originally consisted of 5.12 miles of new trail surfacing. Preliminary plans had been prepared and submitted to Iowa DOT. Subsequently, new developments and opportunities have caused a significant change in the trail alignment. All trail north of Dick Drake Way will be the same as originally designed, 7650' except that the alignment will remain along the west side of Houser Street for an additional 1500' instead of looping around the Transfer Station, 6200'. The alignment south of Dick Drake Way will meander between Hahn Investment and Hahn F & J property crossing 33<sup>rd</sup> Street South to reach Stewart road then run south parallel to Stewart Road in the right of way to 41st Street South. After crossing Stewart Road at 41<sup>st</sup> Street South the trail will continue east approximately 700 feet on the south side of the road before entering the northwest corner of Deep Lakes Park. The trail will meander through the park to reach the south side at 57<sup>th</sup> Street South. New south alignment length is approximately 14800' or 2.8 miles. Therefore the total trail surfacing length will be 4.53 miles.

Easements, topography and a preliminary layout have been surveyed by Martin & Whitacre Surveyors & Engineers, Inc. This information will be provided as basis for completing the horizontal and vertical alignment design.

Lutz Engineering proposes to provide the following services for the project.

1. Meet with City and County staff to coordinate information.
2. Incorporate new topographic and easement information and preliminary design.
3. Walk and photograph the new route.
4. Prepare preliminary plan and profile sheets for revised trail segments.
5. Prepare railroad crossing plan at Dick Drake Way for coordination with the railroad.
6. Meet with City Staff to discuss, mark up and revise preliminary plan and profile sheets as required.

Base and existing CAD information and aerials for the project will be provided to Lutz Engineering at no fee. Lutz Engineering proposes to perform the above Musser Trail services for a lump sum fee of \$13,000.00. Work outside the above scope can be performed on an hourly rate basis if necessary.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jon Lutz', is written over the typed name and contact information.

Jon Lutz PE  
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[Jon@LutzEC.com](mailto:Jon@LutzEC.com)