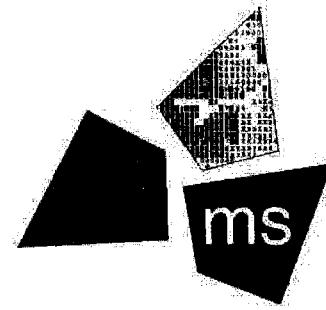


ms consultants, inc.
engineers, architects, planners

2221 Schrock Road
Columbus, Ohio 43229-1547
p 614.898.7100
f 614.898.7570
www.msconsultants.com



January 31, 2013

Mr. Karl C. Wetherholt, PE
City Engineer
200 S. Hamilton Rd.
Gahanna, Ohio 43230

**RE: Proposal for Consulting Services
Contract Modification No 785-1
Hamilton Road Widening PID 90388
Johnstown Road (US 62) to Rocky Fork Creek**

Dear Mr. Wetherholt:

Enclosed are Three (3) copies of the cost proposal for the Hamilton Road Widening project. This proposal includes the additional services necessary to complete the planning, construction plans and right-of-way plans for the project.

This modification includes additional services for environmental field studies, public involvement, street lighting design, utility line location and roundabout analysis. The services included in this modification were not part of our original scope of services.

If you have any questions regarding this information, please contact Jim Villacres or me.

Sincerely,

Michael D. Kratorff, P.E.
Chief Operating Officer

MDK:JPV:gs

cc: C/M

File: 60-06471-02-BB-01-0306

K:\Project Managers\06\Projects\06471-02 Gahanna Hamilton Road\Modification 1 30 13\LOT Gahanna 01-31-13.doc

Enclosures

EXHIBIT A

**Summary of Proposed Fees
Contract Modification 1**

**City of Gahanna
Hamilton Road Widening
Johnstown Road (US 62) to Rocky Fork Creek**

Task	Subconsultant Fee	ms Fee	Total Fee Proposed
A. Environmental Field Studies		\$2,540	\$2,540
B. Phase 1 History / Architecture Survey	(ASC) \$ 8,392	\$1,600	\$ 9,992
C. Public Involvement Meeting		\$4,903	\$4,903
D. Street Lighting Design		\$16,941	\$16,941
E. Subsurface Utility Location	(CEC) \$ 14,651	\$1,449	\$ 16,100
F. Roundabout Analysis and Design	(MTJ) \$ 9,714	\$0	\$ 9,714
Total:			\$60,191

Project Narrative

**FRA-Hamilton Road
PID #90388
Contract Modification 1**

This contract modification proposal for the Hamilton Road Widening project contains additional planning and design services required for the project as detailed below:

A. Environmental Field Studies

Services for the preparation of the Headwater Macroinvertebrate Field Evaluation Index (HMFEI) form.

In preparing the Level 1 Ecological Survey Report (ESR) it was determined that a stream impacted by the project is designated as a Class 3 stream by the Headwater Habitat Evaluation Index (HHEI) form. Impact to a Class 3 stream will require additional environmental services including a Level 2 ESR and an Individual 404/401 waterway permit. Based on options presented in an email from ODOT dated 2/16/12 and additional discussions with the City of Gahanna, **ms consultants** proposes the HMFEI form be prepared to further clarify the Class of the impacted stream.

The proposed fee for this work is \$2,540.

B. Phase 1 History / Architecture Survey

We received notification from ODOT regarding their review of the ESA Screening. They recommended a Phase 1 History / Architecture Survey for the project due to the age of the house to be removed and several other houses in the project area. This work is not in our current scope of services.

We have coordinated with our subconsultant ASC Group, Inc. to perform this task for the project. **ms consultants** will review their work and incorporate the results into the environmental documentation.

The proposed fee for this work is \$9,992.35.

Project Narrative

**FRA-Hamilton Road
PID #90388
Contract Modification 1**

C. Public Involvement Meeting

ODOT and the City have identified the need to have an additional public meeting for the project.

ms will provide support to the City and County in preparing for one public meeting to present the current project design plans to the stakeholders and public for comment. ms will prepare graphics and exhibits for use at the meeting. This estimate includes one color long roll plot of the project corridor that will show the project design superimposed over an aerial photograph background (aerial photo will be from available County GIS data). Also a maximum of two 22x34 display board graphics (photos/sections/graphics/charts, etc) will be prepared to display details of specific locations or information that the City may request. ms will provide up to 3 attendees at the public meeting that are knowledgeable about the project design and able to answer questions and interact with the public meeting attendees. Public Involvement meeting comments will be reviewed and summarized for the City.

The proposed fee for this work is \$4,903.

D. Revised Design for Street Lighting Design

We received Stage 1 Plan review comments from the City asking us to evaluate the use of shorter (30') light poles for the project. At a recent review meeting on Nov. 14 the City recommended using a lighting design similar to the Tech Center Drive project. Based on preliminary analyses we have determined that the street could be adequately lit using the shorter light pole design.

The existing plan was developed using 50' support heights w/ 400 watt fixtures with poles spaced approx. 180' apart. The design will be revised to use 30' support heights w/250 watt fixtures (as in the Tech Center plan). In order to achieve a similar light level as the original design there will be more poles (approx. 140' apart). Also, the ave:min ratio will increase from about 2:1 to about 3:1, the City's maximum value.

This redesign effort will require a substantial revision to the lighting design including new lighting analyses, pole spacing, circuitry, control center locations and voltage drop calculations.

The proposed fee for this work is \$16,941.

Project Narrative

FRA-Hamilton Road PID #90388 Contract Modification 1

E. Subsurface Utility Location – SUE Level A

We received Stage 1 Plan review comments from the City of Columbus Department of Water regarding the existing 48" waterline that runs through the project area. The project design is taking care to avoid impact to this waterline however construction will be in close proximity to it. In order to better reflect the precise location of the waterline in the plans it is desirable to perform SUE level A utility location at critical points throughout the project length. ms has identified 14 proposed locations that test holes are to be performed so that the verified waterline pipe elevations can be represented in the plans.

This information will be used to further clarify and represent the construction activities that will be in close proximity of the waterline so that potential damage can be avoided and unforeseen conditions can be minimized.

We have coordinated with our subconsultant Columbus Engineering Consultants, Inc. to perform this task for the project. **ms consultants** will review their work and incorporate the results into the project design.

The proposed fee for this work is \$16,100 .

F. Additional Roundabout Analysis

MTJ Engineering is our subconsultant providing support for the design team with regard to roundabout design and operational analysis. During the project design the southern roundabout required additional analysis and design effort. After the initial traffic analysis was performed the certified traffic data was revised to accommodate higher growth rates projected by MORPC and additional analysis was performed to verify the operational need of turning movements using the opening year traffic volumes. This will allow the project to plan for but delay the construction of the northbound dedicated right turn lane until such a time as the actual traffic growth and operation requires its additional construction.

The proposed fee for this work is \$9,714.