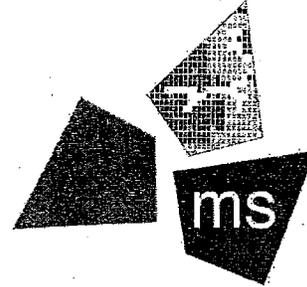


ms consultants, inc.
engineers, architects, planners

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



February 3, 2014

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

EXHIBIT A

**RE: Proposal for Consulting Services
Contract Modification No 785-3
Hamilton Road Widening PID 90388
Johnstown Road (US 62) to Rocky Fork Creek**

Dear Mr. Wetherholt:

Enclosed is a copy of a cost proposal for the Hamilton Road Widening project. This proposal includes the additional services necessary to complete the construction plans and right-of-way plans for the project.

This modification includes additional services for extending the waterline design, right of way plan preparation and drainage design. 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,

A handwritten signature in black ink, appearing to read 'Valerie Croasmun'.

Valerie Croasmun, PE
Ohio Transportation Business Manager

VSC:JPV:gs

cc: C/M

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

K:\Project Managers\06\Projects\06471-02 Gahanna Hamilton Road\Modification 3 - 02 03 14\Working Files\LOT Gahanna 02 03 14.doc

Enclosures

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

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	A	M	N	O	P	Q	R	S	T	U	V	W	X	Y
7	AILED BREAKDOWN OF PROPOSED TOTAL HOURS, PERSONNEL CATEGOR													
8	AND LABOR RATES FOR													
9	HAMILTON ROAD - GAHANNA													
10	PID 90388													
11	Minor PDP													
12	CONSULTANT: ms consultants, Inc													
13	HOURLY RATES 2013													
14	Principal						\$105.60	Support			\$15.00			
15	Project Manager						\$47.75	Graphics Specialist			\$27.30			
16	Senior Engineer						\$53.00	Prof. Surveyor			\$46.50			
17	Engineer						\$35.50	Srvy. Crew (2 Persons)			\$49.50			
18	Sr. Envir. Planner						\$45.50							
19	Envir. Planner						\$37.90							
20	Technician						\$26.25							
21														
22														
23	Task Description	Principle	Project Manager	Senior Engineer	Engineer	Sr. Envir. Planner	Envir. Planner	Tech	Support	Graphics Specialist	Prof. Surveyor	2P Survey Crew	Overall Total Hours	Labor Costs
24														
25														
26	Modification #3													
27														
28	A. Waterline Replacement Design													
29	Waterline Design Plans - Add 1500' of 12" on Hamilton Rd	1	2	10	52	0	0	60	4	0	0	0	129	\$4,254.10
30	Waterline Design Plans - Add 1500' of 12" on Clark State Rd	1	1	10	52	0	0	60	4	0	0	0	128	\$4,216.36
31	Waterline Design Plans - Add 640' of 6" for School service	0	0	4	24	0	0	32	0	0	0	0	60	\$1,928.00
32	Permit to Install Application Increase	0	0	1	5	0	0	0	0	0	0	0	9	\$346.00
33	Record Drawing Increase	0	0	1	4	0	0	16	2	0	0	0	23	\$648.00
34	Construction Assistance	0	1	12	32	0	0	24	16	0	0	0	85	\$2,721.75
35	Bid Assistance	0	0	4	16	0	0	8	8	0	0	0	36	\$1,126.00
36														
37														
38	B. Additional Roadway and Structures Design													
39	Extend Culvert / Bridge Replacement Design	0	1	4	16	0	0	12	0	0	0	0	33	\$1,158.75
40	Right of Way Plan Revisions	0	2	0	8	0	0	32	0	0	15	0	58	\$1,855.50
41	BLP and Drainage Design Revisions	0	4	16	56	0	0	48	0	0	0	0	124	\$4,343.00
42														
43														
44														
45														
46														
47														
48	Modification #3	2	11	62	268	0	0	292	34	0	16	0	665	\$22,707
49														

LEGEND: Highlighted tasks are by others or outside of this contract

**Proposed Overhead
and
Cost of Money Rates**

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

The estimated Overhead Rate is based upon cost allowance per the F.A.R. and ODOT Guidelines. The estimated Overhead Rate is 172.37%.

Cost of money, based upon ODOT Guidelines, is estimated to be 0.37%.

Net Fee proposed is 12%.

Project Narrative

FRA-Hamilton Road PID #90388 Contract Modification 3

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

A. Waterline Replacement Design

The previous project services accounted for the replacement of approximately 2000 LF of existing 12-inch transite waterline along Hamilton Road. During the preliminary design it has been determined that additional waterline segments need to be replaced both along Hamilton Road and also along Clark State Road. The waterline plans were originally anticipated to be part of the roadway construction project and have now been separated to be bid and constructed as an independent project in advance of the roadway work. The additional waterline lengths are:

- An additional 1500' of 12" waterline along Hamilton Road
- An additional 1500' of 12" waterline along Clark State Road
- An additional 640' of 6" waterline to reconnect the service line to the school

The Permit to Install Application package will be prepared for submission to Ohio EPA- CDO. We have included an additional \$2,000 to provide for the application and review fee based on an estimated construction value of \$750,000 as a reimbursable expense.

Additional time has been budgeted for preparation of record drawings based on markups provided by the Contractor and the City's Resident Project representative.

Construction assistance will be provided for the City during the installation of the new waterlines. Services will be provided as requested by the Engineer's office to include shop drawing review, design support and consultation.

Bidding Assistance services will be provided in preparation for the waterline construction project.

The proposed fee for this work is \$48,573.

of which \$38,820 is for design

\$11,753 is for bidding assistance and construction support

Project Narrative

**FRA-Hamilton Road
PID #90388
Contract Modification 3**

B. Additional Roadway and Structures Design

The design for the box culvert over Sycamore Run was requested to be revised on the east side of Hamilton Road. Based on coordination with the property owner, the design revisions to the culvert orientation and drainage connections could be made to minimize the impact on the adjacent property and landscaping features.

During the right of way acquisition process, requests to provide minor revisions to the right of way plans are anticipated. These revisions may include plan notes and minor plan revisions to clarify and modify the information in support of the negotiations with the property owners.

ODOT released guidance on September 6, 2013 removing the use of Exfiltration Trenches from the list of ODOT approved BMP measures. The drainage design for Hamilton Road was developed using the exfiltration trenches. In coordination with the City, it has been determined that the plans should be revised to provide bio-retention areas adjacent to the project that will treat the storm water as required for the project. The areas will be near Carpenter Road and the west approach of the school roundabout. The drainage design will also need to be modified to route the water to the bio-retention areas.

The proposed fee for this work is \$22,705.



OHIO DEPARTMENT OF TRANSPORTATION

CENTRAL OFFICE • 1980 WEST BROAD STREET • COLUMBUS, OH 43223
JOHN R. KASICH, GOVERNOR • JERRY WRAY, DIRECTOR

September 6, 2013

Harry Kallipolitis
Storm Water Coordinator
Division of Surface Water
OEPA, Central District Office
Suite 700
50 W Town St
Columbus, OH 43215

Dear Mr. Kallipolitis,

This letter is written as a formal response to the letter dated August 1, 2013. The Ohio Department of Transportation appreciates the opportunity to discuss compliance issues associated with the Ohio EPA's Construction Storm Water Permits and the MS4 permit.

- **Exfiltration Trench, Post Construction Requirements of Ohio EPA's Construction Permits, and ODOT's Proposed Mitigation Program:**

The letter requested removal of the Exfiltration Trench from the ODOT L&D, Volume 2 Manual by September 2013. Our next quarterly update is scheduled for October 18, 2013 and the Exfiltration Trench Best Management Practice (BMP) will be removed from the ODOT L&D Manual at that time. Modifications to the Manual will be coordinated with the OEPA prior to publishing.

Existing projects that contain the Exfiltration Trench as a BMP will be revised according to the following:

- Projects at Stage 3 by October 18, 2013 will be non-performed during construction. The Exfiltration Trench quantities and details will remain in the plan sheets. ODOT requests that compliance to the Construction General Permit (CGP) for these projects be granted by an in-lieu fee based on the construction and maintenance costs for the Exfiltration Trench. The in-lieu fee will be negotiated by the OEPA and ODOT.
- Projects ranging from Preliminary Engineering through Stage 2 by October 18, 2013 will be evaluated and modified for alternative BMP's when feasible. In cases where a BMP is not considered feasible, ODOT requests that compliance to the CGP be granted by the in-lieu fee. Further negotiations will be made between OEPA and ODOT regarding details of the process.

Removal of the Exfiltration Trench as a water quantity treatment BMP will have a significant impact on the design and delivery of the Departments projects. As indicated in the received letter, this BMP is often utilized in projects constructed by the Department across the State. Treatment of water quantity as required in the CGP within urbanized areas is often not practicable for linear transportation projects given the footprint required with this type of volume treatment BMP. BMP's listed in the CGP and the L&D that

treat water quantity include items such as: Extended Detention Basins, Retention Basins, Bioretention Cells, Infiltration Trenches, Infiltration Basins, and Constructed Wetlands.

The National Cooperative Highway Research Program (NCHRP) has an active synthesis research project attempting to address the volume treatment challenges for linear transportation projects. The NCHRP 25-41 - Guidance for Achieving Volume Reduction of Highway Runoff in Urban Areas (<http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=3193>) research is expected to be completed December 2013. ODOT may request modifications to the in-lieu fee program pending recommendations from the completed synthesis research.

- **Memorandum of Understanding (MOU):**

We appreciate the OEPA's effort on this MOU and we look forward to receiving this document.

- **Post Construction I70/71 Split:**

The request to use mitigation in-lieu of the water quality mechanical unit on the I70/71 Split project was sent to the District Office for consideration. ODOT District 6 is going to further investigate the details of a mitigation alternative. The District intends to move quickly on consideration of this alternative in order to maintain project schedule.

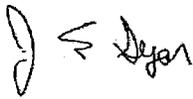
ODOT District 6 will take the lead on contacting the appropriate agencies, including OEPA and the City of Columbus on this project-specific issue.

- **Proposed ODOT MS4 Audit:**

We acknowledge the notification for an audit of ODOT's MS4 program. We look forward to assisting the OEPA in ensuring our program is compliant with the permit requirements. Coordinate all efforts for the audit with the Office of Hydraulic Engineering.

We concur that a meeting to discuss the above items in detail is warranted. We request that Executive Management from the OEPA attend this meeting in an effort to reach resolution to the above items. A meeting will be scheduled within the next two weeks of the date on this letter.

Respectfully,



Jeffrey E. Syar, P.E.
Administrator, Office of Hydraulic Engineering

CC: Jim Barna, P.E., Chief Engineer
James Young, P.E., Deputy Director of Engineering
Jennifer Townley, P.E., Deputy Director of Planning
Tim Hill, Administrator, Office of Environmental Services
Becky Humphreys, P.E., Assistant Administrator, Office of Hydraulic Engineering
File