



McMAHON ASSOCIATES, INC.
835 Springdale Drive, Suite 200
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p 610-594-9995 | f 610-594-9565

PRINCIPALS

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FOUNDER

Joseph W. McMahon, P.E.

February 5, 2019

Mr. John Nagel, ICMA-CM, Township Manager
East Whiteland Township
209 Conestoga Road
Frazer, PA 19355-1699

Mr. Rick Smith, Township Manager
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380-6199

RE: **Proposal for Traffic Engineering Services**
Sproul Road (S.R. 0352) and King Road (S.R. 2022) Improvement Feasibility Study
East Whiteland and East Goshen Townships, Chester County, PA
McMahon Project No. 817294.1P

Dear Mr. Nagel and Mr. Smith:

As discussed at our recent coordination meeting on January 24, McMahon Associates, Inc. is pleased to submit this proposal to further evaluate a roundabout at the intersection of Sproul Road/North Chester Road (S.R. 0352) and King Road (S.R. 2022).

Scope of Services

1. McMahon will advance the roundabout sketch to provide a detailed conceptual plan. The roundabout alignment and horizontal geometry will be prepared in accordance with FHWA's *Roundabouts: An Informational Guide – Second Edition*. The conceptual plan will be based on the previous survey information collected as part of the original feasibility study.
2. Based on the conceptual design, we will prepare a conceptual opinion of cost for the roundabout improvement. The construction cost estimate will be based on recently bid construction projects and past project experience. Estimated quantities and costs will be provided for the roadway

improvements (excavation, fill, pavement, pedestrian trail, etc.). Lump sum estimates will be provided for items that cannot be quantified during conceptual design (roadway drainage, storm water management BMPs, etc.). The cost estimate will follow PennDOT's Publication 352 and include the recommended percentages for contingency, inspection, and inflation. The costs will also include estimated engineering, permitting and right-of-way acquisition costs. Additionally, McMahon will update the costs for the conventional left-turn lane alternative, which was previously prepared in July of 2017.

3. McMahon will prepare a brief summary memo which identifies the benefits of the roundabout improvement and the conventional signalized intersection improvement alternative. The memo will also summarize the traffic operations results, including the queuing and level of service (LOS) results for both alternatives.

Fee

The fee for the foregoing scope of work is as follows:

| | |
|---|-----------------|
| East Whiteland (50 percent of total)..... | \$ 3,750 |
| East Goshen (50 percent of total) | <u>\$ 3,750</u> |
| Total..... | \$ 7,500 |

The above fees exclude out-of-pocket expenses such as mileage and tolls, etc., which will be billed separately as a direct cost. Supplemental services not specifically described above, including but not limited to the exclusions listed above and conference calls, meetings, hearings, etc., are not included in the scope of this proposal, but will be provided, as necessary and as authorized, on a time-and-materials basis. Please refer to our attached Standard Provisions for Professional Services.

Schedule

We will proceed upon receipt of your signed authorization of this proposal. The concept, costs, and memo can be completed within four weeks of notice to proceed.

Conditions

This agreement and Exhibits hereto sets forth the entire understanding between the parties with respect to the subject matter hereof, supersedes any and all prior understandings whether written or oral with respect to the subject matter hereof and may not be altered, modified, changed, amended, or waived in any manner, except in a writing signed by all of the parties hereto. The conditions of this agreement call

for the execution of this contract with the understanding that **invoices for services will be submitted monthly and are payable within 30 days of issuance**. All projects with overdue invoices exceeding 90 days will be subject to a stoppage of all work. Any changes in the specific work program described above will result in an adjustment of the conditions and fees. If the terms of this contract, as contained herein, and in the attached Standard Provisions for Professional Services are agreeable to you, please execute the agreement below in the space provided and return one signed copy to our office.

If you should have any questions, or require further information, please feel free to contact me at 610-594-9995, ext. 5104.

Sincerely,



Christopher J. Williams, P.E.
Vice President & Regional Manager – Mid-Atlantic

CJW/ab

Accepted for East Whiteland Township by:

I have reviewed all terms of this contract, and I am authorized to sign in the space below for execution of this contract.

By: _____
(Signature of Authorized Representative)

(Printed Name of Authorized Representative)

Title: _____

Date: _____

Please provide your Accounts Payable contact information:

Name: _____

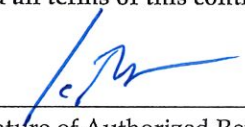
Phone Number: _____

E-mail Address: _____

In the space below, please provide any details, including the date invoices are due each month for prompt payment:

Accepted for East Goshen Township by:

I have reviewed all terms of this contract, and I am authorized to sign in the space below for execution of this contract.

By:  _____
(Signature of Authorized Representative)

Rick Smith

(Printed Name of Authorized Representative)

Title: Twp mgr _____

Date: 2-19-19 _____

Please provide your Accounts Payable contact information:

Name: _____

Phone Number: _____

E-mail Address: _____

In the space below, please provide any details, including the date invoices are due each month for prompt payment:
