



TOWNSHIP OF ABINGTON

PUBLIC WORKS COMMITTEE

*Tom Hecker, Chair
Drew Rothman, Vice-Chair
Dennis Zappone
Tom Bowman
Ken Brodsky*

A G E N D A

May 2, 2018

7:00 P.M.

1. CALL TO ORDER

2. CONSIDER APPROVAL OF MINUTES

- a. Motion to approve the minutes of the April 4, 2018 Public Works Committee Meeting.

3. PRESENTATION

4. UNFINISHED BUSINESS

5. NEW BUSINESS

a. *PUBLIC WORKS COMMITTEE* *COMMISSIONER TOM HECKER, CHAIR*

PW-01-051018

Consider a motion approving contract with McMahon Associates, Inc. in the amount of \$25,500.00 for Traffic Engineering Design Services at Fitzwatertown Road and Woodland Road/North Hills Avenue intersection improvement project for the 2016 cycle award of the Green Light Go Grant. And authorizing the Township Manager to execute the contract and related documents.

PW-02-051018

Consider a motion to establish a possible Mill Road Sewer District project and to authorize the solicitor to prepare the necessary documents and the Township Manager to execute the appropriate documents.

PW-03-051018

Consider a motion to appoint:
McMahon Associates as the Primary Traffic Engineer, and;
Traffic Planning and Design as the conflict traffic engineer, and;
Pennoni Associates as reviewing traffic engineer for Traffic Safety matters, and;
BCM Engineers for storm water management, and;
Boucher and James Consulting Engineers as general consulting engineer and conflict storm water management engineer.
All firms rates are to be no greater than the rates provided in Exhibit 1: Approved consulting engineer's firm rates.

6. PUBLIC COMMENT

7. ADJOURNMENT



PUBLIC WORKS COMMITTEE

AGENDA ITEM

4-24-18

DATE

Public Works

DEPARTMENT

PW-01-051018

AGENDA ITEM NUMBER

FISCAL IMPACT

Cost > \$10,000.

Yes



No



PUBLIC BID REQUIRED

Cost > \$20,100

Yes



No



AGENDA ITEM:

Recommendation to Enter into a Contract with McMahon Associates, Inc. for Traffic Engineering Design Services for Fitzwatertown Road and Woodland Road/North Hills Avenue Green Light Go Grant.

EXECUTIVE SUMMARY:

Per PennDOT grant requirements, Request for Qualifications for Engineering Design Services were sent out to three (3) companies. Three (3) proposals were received back from McMahon Associates, Traffic Planning and Design and Pennoni Associates. All three proposals were reviewed and staff recommended to engage in contract negotiations with McMahon Associates, Inc. This decision was based on an outstanding working relationship with McMahon Associates on multiple successful projects over the years. We currently have (4) projects working where McMahon is our consultant and this is working out well for the township as there is some overlapping of the projects which could be very confusing with various consultants. McMahon Associates has been very responsive to the township's needs at a very fair and competitive rate. As outlined in McMahon's proposal they will provide a topographic survey, ADA ramp design and PennDOT Highway Occupancy Permit, preparation of a traffic signal permit plan and preparation of a construction plan and bid documents for the anticipated improvements that include the construction of ten (10) ADA curb ramps, the installation of new traffic signal equipment and installation of painted pedestrian crosswalks.

PREVIOUS BOARD ACTIONS:

August 10, 2017 Motion approved to accept the Green Light Go Grant in the amount of \$373,100.00 and enter into a contract with PennDOT to upgrade the intersection.
December 14, 2017 Resolution #17-032 approved granting the township manager the authority to execute agreements between the township and PennDOT.

RECOMMENDED BOARD ACTION:

Recommendation to enter into a contract with McMahon Associates, Inc. in the amount of \$25,500.00 for Traffic Engineering Design Services at Fitzwatertown Road and Woodland Road/North Hills Avenue intersection improvement project for the 2016 cycle award of the Green Light Go Grant. And authorizing the Township Manager to execute the contract and related documents.



TOWNSHIP OF ABINGTON

Office of the Township Manager

Richard J. Manfredi
Township Manager

FISCAL NOTE

AGENDA ITEM NUMBER: PW-01-051018

DATE INTRODUCED: 3/21/18

FISCAL IMPACT AMOUNT: \$74,620.00

FUND: 03-13-146-5304

FISCAL IMPACT:

YES

NO

FISCAL IMPACT

Cost > \$10,000.

Yes

No

SUMMARY

The grant has a 20% match which the township committed to fund.

ANALYSIS

The grant will be a municipal managed project and a reimbursable grant where we pay for the work and PennDOT reimburses the township. A large portion of the match will be through in kind services using the township's manpower allowing the township to accomplish the work with minimal costs to the township.



PUBLIC WORKS COMMITTEE

AGENDA ITEM

4-24-18

DATE

Engineering and Code

DEPARTMENT

PW-02-051018

AGENDA ITEM NUMBER

FISCAL IMPACT

Cost > \$10,000.

Yes

No

PUBLIC BID REQUIRED

Cost > \$20,100

Yes

No

AGENDA ITEM:

Mill Road Sewer District Project -- Contract No. 152

EXECUTIVE SUMMARY:

Ward Commissioner, Steven Kline received inquiries from residents in the area inquiring about connecting to the public sewer. Township Engineering examined areas and determined the properties that are not served by public sewer, and discussed the feasibility of providing public sewer to these properties.

Letters were sent to the seven properties within proposed sewer district to meet and gage their interest. A meeting was held with residents on March 15, 2018 resulting Four in favor, Two not in favor and One no response.

Given the majority were in favor, the matter is being presented to the Board for consideration.

PREVIOUS BOARD ACTIONS:

N/A

RECOMMENDED BOARD ACTION:

Motion to establish a possible Mill Road Sewer District project and to authorize the solicitor to prepare the necessary documents and the Township manager to execute the appropriate documents.



PUBLIC WORKS COMMITTEE

AGENDA ITEM

4-24-18

PW-03-051018

DATE

AGENDA ITEM NUMBER

Public Works

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000.

Yes

No

PUBLIC BID REQUIRED

Cost > \$20,100

Yes

No

AGENDA ITEM:

Appointment of firms to provide consulting engineering services.

Note: These services are supplemental and do not replace the in house Township Engineer.

EXECUTIVE SUMMARY:

The Township has, for many years, engaged the services of consulting engineer firms in order to assist the Township by providing general, traffic, storm water and project management services. In order to establish a more current rate structure for all engineering services being provided to the Township. Proposals were requested for the various areas of engineering services from seven firms; including those who have been providing those many years. Those firms are:

1. BCM Engineers, ATC Group Services LLC
2. Boucher & James, Inc. Consulting Engineers
3. McMahan Associates, Inc.
4. Traffic Planning and Design, Inc.
5. Pennoni Associates, Inc.
6. Carroll Engineering Corporation
7. Kimley-Horn and Associates, Inc.

McMahan Associates has provided traffic and project management engineering services to the Township and worked closely with the Public Works department. Traffic Planning and Design has provided traffic engineering services for planning and land use reviews, and BCM has provided storm water management for number of years as well. It is recommended that we retain McMahan Associates as the Primary Traffic Engineer, with Traffic Planning and Design as the conflict engineer and Pennoni Associates as the Traffic Safety matters reviewing engineer where necessary, and that we retain BCM Engineers for stormwater services and Boucher & James, Inc , based on need, for alternative stormwater services.

PREVIOUS BOARD ACTIONS:

N/A



RECOMMENDED BOARD ACTION:

Consider a motion to appoint:

McMahan Associates as the Primary Traffic Engineer, and;

Traffic Planning and Design as the conflict traffic engineer, and;

Pennoni Associates as reviewing traffic engineer for Traffic Safety matters, and;

BCM Engineers for storm water management, and;

Boucher and James Consulting Engineers as general consulting engineer and conflict storm water

management engineer. All firms rates are to be no greater than the rates provided in Exhibit 1: Approved consulting engineers firm rates.

EXHIBIT 1



TOWNSHIP OF ABINGTON

Administration

Engineering Services Price Comparison of Firms Selected

	<u>Boucher & James, Inc.</u>	<u>BCM Engineers</u>	<u>McMahon Associates</u>	<u>TPD</u>	<u>Penmoni</u>
Principal	\$120.00		\$195.00	\$270.00	\$215.00
Senior V.P.				\$215.00	
Senior Project Manager		\$110.00 - \$118.00	\$165.00	\$190.00	
Project Manager/Section Manager		\$125.00-160.00	\$155.00	\$165.00	
Senior Technical Professional		\$95.00 - \$130.00			\$120.00
Technical Professional		\$80.00 - \$105.00			\$115.00
Staff Professional					\$110.00
Associate Professional					\$100.00
Graduate Professional					\$90.00
Engineer I	\$100.00	\$115.00	\$130.00		\$135.00
Engineer II	\$95.00		\$120.00		
Engineer III	\$90.00		\$95.00		
Designer I	\$75.00			\$115.00	
Designer II	\$73.00			\$110.00	
Designer III	\$70.00			\$100.00	
Design/Planning Specialist 2		\$90.00		\$95.00	
Design/Planning Specialist 1				\$85.00	
CAD Designer 4		\$95.00		\$95.00	



TOWNSHIP OF ABINGTON

Administration

	<u><i>Boucher & James, Inc.</i></u>	<u><i>BCM Engineers</i></u>	<u><i>McMahon Associates</i></u>	<u><i>TPD</i></u>	<u><i>Pennoni</i></u>
CAD Designer 3				\$85.00	
CAD Operator I	\$65.00			\$75.00	
CAD Operator II	\$60.00			\$65.00	
Chief Surveyor	\$90.00		\$155.00		
Surveyor	\$82.00				
Survey Technician I	\$58.00		\$80.00		
Survey Technician II	\$55.00				
Technical Specialist		\$65.00 - \$85.00		\$75.00	
Technician	\$52.00	\$40.00 - \$75.00	\$50.00	\$60.00	\$85.00
Construction Services Technician				\$55.00	
Field Technician					\$78.00
Survey Crew	\$120.00				\$180.00 (2 person survey crew)
Survey Crew w/Robotics	\$115.00				
GIS Analyst II					
GIS Analyst I					
Party Chief I, II, III					



TOWNSHIP OF ABINGTON

Administration

	<u><i>Boucher & James, Inc.</i></u>	<u><i>BCM Engineers</i></u>	<u><i>McMahon Associates</i></u>	<u><i>TPD</i></u>	<u><i>Pennoni</i></u>
Instrument Person					
Planner/Landscape Architect I	\$100.00			\$160.00	
Planner/Landscape Architect II	\$95.00				
Planner/Designer I	\$90.00				
Planner/Designer II	\$85.00				
Project Manager 4				\$145.00	
Project Manager 3				\$140.00	
Project Manager 2				\$130.00	
Project Manager 1				\$120.00	
Construction Coordinator (Representative)	\$85.00	\$50.00 - \$75.00		\$140.00	
Assistant Construction Manager				\$95.00	
Construction Observer I	\$65.00			\$125.00	
Construction Observer II	\$60.00			\$110.00	
Chief Construction Observer	\$68.00				



TOWNSHIP OF ABINGTON

Administration

	<u><i>Boucher & James, Inc.</i></u>	<u><i>BCM Engineers</i></u>	<u><i>McMahon Associates</i></u>	<u><i>TPD</i></u>	<u><i>Pennoni</i></u>
Environmental Services Manger				\$115.00	
Environmental Scientist	\$85.00			\$100.00	
Senior Analyst				\$110.00	
Environmental Technician	\$60.00				
Administrative Assistant	\$45.00	\$35.00-\$75.00			
Senior Staff		\$125.00 - \$175.00			
Transp. Construction Manager				\$95.00	
Transp. Constr. Insp. Supervisor				\$85.00	
Transp. Construction Inspector				\$80.00	
Vehicles		\$0.53.5/mile + \$35.00/day	\$0.54/mile	Mileage: IRS approved rate	Does not bill for travel
Postage			8.5x11: \$.10 B/W \$1.00/color 11x17: \$0.15 B/W \$1.50/color	8.5x11: \$.11 B/W \$.33/color 22x34: \$0.50 B/W \$1.00/color Mylar \$5.00/sheet Boards: \$25.00/board	Does not bill for postage



TOWNSHIP OF ABINGTON

Administration

	<u><i>Boucher & James, Inc.</i></u>	<u><i>BCM Engineers</i></u>	<u><i>McMahon Associates</i></u>	<u><i>TPD</i></u>	<u><i>Pennoni</i></u>
Annual increase					2% - 4% annual increase
Tolls, meals				At Cost	
Equipment				Hourly rate	
Intersection Turning Movement Counts					
Automatic Tube Counts					



6.0 FEES

BCM Engineers will perform the services described in this proposal, or, in the absence of a proposal, as defined in writing and approved by BCM and Abington in accordance with the terms of BCM's current Schedule of Billing Charges, which is attached in **Appendix B**. Services will be performed on a Time and Materials basis with payment to BCM for Labor and Other Direct Costs according to this Schedule of Billing Charges.

Specific personnel that historically work on the Township's projects are identified herein along with their current billing rates charged the Township.

Personnel	Rate
Michael Filmyer, P.E. Senior Project Manager	\$118/hr.
Jeffery Skinner, P.E., PLS Senior Project Manager	\$105/hr.
Charlie Liu, P.E. Senior Project Manager	\$110/hr.
John Rapp, P.E. Structural Engineer	\$115/hr.
Christopher Bialowas Structural CADD Designer	\$95/hr.
Patrick Gorman, EIT Project Specialist	\$75/hr.
John Brandenburger CADD Designer	\$95/hr.
George Keyser Project Specialist	\$90/hr.
John Borders CADD Designer	\$65/hr.

BCM has had minor 2-3 percent fee increases for municipal clients in the past five (5) years. This may also be negotiated with each individual municipality and is not necessarily "across the board" increases.



Rate Schedule

ABINGTON TOWNSHIP 2018 RATE SCHEDULE

101	Engineer I	\$ 100.00
102	Engineer II	\$ 95.00
103	Engineer III	\$ 90.00
141	Designer I	\$ 75.00
142	Designer II	\$ 73.00
143	Designer III	\$ 70.00
151	CAD Operator I	\$ 65.00
152	CAD Operator II	\$ 60.00
200	Chief Surveyor	\$ 90.00
201	Surveyor	\$ 82.00
211	Survey Technician I	\$ 58.00
212	Survey Technician II	\$ 55.00
215	Technician	\$ 52.00
232	Survey Crew	\$ 120.00
234	Survey Crew w/Robotics	\$ 115.00
401	Planner/Landscape Architect I	\$ 100.00
402	Planner/Landscape Architect II	\$ 95.00
411	Planner/Designer I	\$ 90.00
412	Planner/Designer II	\$ 85.00
500	Construction Coordinator	\$ 85.00
501	Construction Observer I	\$ 65.00
502	Construction Observer II	\$ 60.00
505	Chief Construction Observer	\$ 68.00
600	Environmental Hydrogeologist	\$ 90.00
601	Environmental Scientist	\$ 85.00
630	Environmental Technician	\$ 60.00
901	Principal	\$ 120.00
920	Administrative Assistant	\$ 45.00

Reimbursable expenses to be billed with a 15% administrative processing fee.

*Note: Rate increases for Municipal Clients are evaluated annually. Any proposed increases are discussed in advance with our Municipal Clients and range between 3% and 5%. Our rates are never increased in consecutive years. Historically, increases are requested every two to three years.



| Township Rates

PERSONNEL

Senior Project Manager
Project Manager/Survey Chief
Senior Project Engineer
Project Engineer
Staff Engineer/Party Chief
Technician/Word Processor/Survey Tech
Field Personnel

HOURLY RATES

\$165
\$155
\$130
\$120
\$95
\$80
\$50

Principal and Associate time will be billed at a rate of \$195 per hour, when involvement is requested by the client, or project needs dictate. Project expenses such as reproduction, postage, graphics, mileage, parking, tolls are reimbursable at cost. Please see our attached Standard Provisions for more information (see Attached). Currently, the IRS-approved mileage rate is \$0.54 per mile. Reproduction charges are typically only billed for reports and other significant documents/plans (8 ½" x 11": \$0.10 per B/W copy, \$1.00 per color copy; 11" x 17": \$0.15 per B/W copy, \$1.50 per color copy). Postage for packages and overnight deliveries are also billed as costs are incurred. McMahon does not provide additional multipliers or overhead charges, nor is a minimum billing or retainer required.



WWW.TRAFFICPD.COM

Traffic Planning and Design, Inc. (TPD) Schedule of Charges for Services and Expenses - 2018

TPD's charges for professional services are based on the following hourly rates:

President	\$270	Sr. Construction Manager	\$140
Senior Vice President	\$215	Construction Manager 2	\$125
Senior Project Manager 2	\$190	Construction Manager 1	\$110
Senior Project Manager 1	\$165	Asst. Construction Manager	\$95
Design/Construction Manager	\$160	Transp. Construction Manager 2	\$95
Project Manager 4	\$145	Transp. Construction Manager 1	\$95
Project Manager 3	\$140	Transp. Constr. Insp. Supervisor 2	\$85
Project Manager 2	\$130	Transp. Constr. Insp. Supervisor 1	\$85
Project Manager 1	\$120	Transp. Construction Inspector 3	\$80
Design/Planning Specialist 5	\$115	Transp. Construction Inspector 2	\$80
Design/Planning Specialist 4	\$110	Transp. Construction Inspector 1	\$80
Design/Planning Specialist 3	\$100	Construction Services Technician	\$55
Design/Planning Specialist 2	\$95	Environmental Services Manager	\$115
Design/Planning Specialist 1	\$85	Senior Environmental Scientist	\$100
CADD Designer 4	\$95	Senior Analyst	\$110
CADD Designer 3	\$85	Technician Manager	\$75
CADD Designer 2	\$75	Technician	\$60
CADD Designer 1	\$65	Clerk	\$60

TPD's charges for typical expenses are based on the following:

Copies (black & white)	\$0.11 per copy
Copies (color)	\$0.33 per copy
Plan Print (22"x34", black & white)	\$0.50 per square foot
Plan Print (22"x34", color)	\$1.00 per square foot
Mylar Originals	\$5.00 per sheet
Presentation Boards	\$25.00 per board
Mileage	At current IRS-approved rate
Tolls	At cost to TPD
Meals & Lodging	At cost to TPD
Mail & Overnight Delivery	At cost to TPD
ATR Equipment	\$30 per counter per day, up to a max of \$120 per deployment
ATC Equipment (Full Intersection)	\$60 per hour
ATC Equipment (Per Lane Hour)	\$6 per lane hour per unit deployed
Trimble Geo 7X GPS Unit	\$20 per hour up to a max of \$100 per day
Noise Meter	\$30 per device per day up to a max of \$180

TPD Corporate Headquarters:

2500 E. High Street, Suite 650
Pottstown, PA 19464

Phone: 610-326-3100
Fax: 610-326-9410

F. Fees

Please find below our proposed rates for 2018. Our standard fees for services are billed on an hourly basis for the actual time on the assignment, or on an agreed upon lump sum for individual projects. Please find below our rates for 2018:

General Municipal Engineering & Municipal Traffic Engineering Services

CLASSIFICATION	RATE
Township Engineer\Traffic Engineer	\$135.00
Senior Professional	\$120.00
Project Professional	\$115.00
Staff Professional	\$110.00
Associate Professional	\$100.00
Graduate Professional	\$90.00
Technician	\$85.00
Field Technician	\$78.00
2 Person Survey Crew	\$180.00

We do not bill for travel expenses, nor do we bill for postages, travel, reasonable phone conversations, reproduction, or clerical work associated with day-to-day correspondence.

We can provide the Township with a separate monthly invoice for each project. We can also provide field reports for all site inspections to the Township with each monthly invoice.

Over the past five years, we increased our rates by approximately 2% to 4% annually.