



TOWNSHIP OF ABINGTON

PUBLIC WORKS COMMITTEE

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

A G E N D A **October 2, 2019** **7:00 P.M.**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. CONSIDER APPROVAL OF MINUTES**

- a. Motion to approve Committee Meeting minutes of September 4, 2019

- 4. PRESENTATION**
- 5. UNFINISHED BUSINESS**
- 6. NEW BUSINESS**

PUBLIC WORKS COMMITTEE *COMMISSIONER DREW ROTHMAN, CHAIR*

- a. **PW-01-101019** Consider a motion to adopt Resolution# 19- 026 authorizing the execution of a 2018 Automated Red Light Enforcement Program Grant Project Funding Agreement with the Commonwealth of Pennsylvania, Department of Transportation and authorizing the Township Manager to execute all future documents related to this grant.
 - b. **PW-02-101019** Consider a motion authorizing the Township Manager to execute the Inter-Municipal Crediting Agreement for the Conklin Recreation Center Pollution Reduction Plan.

- 7. PUBLIC COMMENT**
- 8. ADJOURNMENT**



PUBLIC WORKS COMMITTEE

AGENDA ITEM

September 25, 2019

DATE

Public Works

DEPARTMENT

PW-01-101019

AGENDA ITEM NUMBER

FISCAL IMPACT

Cost > \$10,000.

Yes



No



PUBLIC BID REQUIRED

Cost > \$20,100

Yes



No



AGENDA ITEM:

Resolution No. 19-026 A Resolution authorizing the execution of a 2018 Automated Red Light Enforcement Program Grant Project Funding Agreement with the Commonwealth of Pennsylvania, Department of Transportation for traffic signal upgrades at the intersection of Meetinghouse Road and Fox Chase Road.

EXECUTIVE SUMMARY:

This grant is for improvements to the existing signalized intersection of Meetinghouse Road and Fox Chase Road. Improvements include the full modernization of the intersection's signal equipment, including updated detection, pedestrian push buttons and ADA curb ramps.

The traffic signal equipment at this intersection is over 30 years old and has not been modified since its installation. This results in equipment malfunctions and ongoing recutting and replacement of detection loops when they break due to weather and/or utility maintenance. The Meetinghouse Road approaches to the intersection are covered by a single overhead traffic signal and is controlled with a single mastarm which does not allow for the installation of overhead street name signs. The existing intersection does not have emergency pre-emption and there are no indications for pedestrians. The upgrades will improve connections to Alverthorpe Park, Abington Friends School and Manor Junior College. Upgrading the pedestrian accommodations at this intersection would provide for additional accessibility and pedestrian safety.

PREVIOUS BOARD ACTIONS:

RECOMMENDED BOARD ACTION:

Consider a motion to adopt Resolution# 19- 026 authorizing the execution of a 2018 Automated Red Light Enforcement Program Grant Project Funding Agreement with the Commonwealth of Pennsylvania, Department of Transportation and authorizing the Township Manager to execute all future documents related to this grant.



TOWNSHIP OF ABINGTON

Office of the Township Manager

Richard J. Manfredi
Township Manager

FISCAL NOTE

AGENDA ITEM NUMBER: PW-01-101019

DATE INTRODUCED: September 25, 2019

FISCAL IMPACT AMOUNT: \$47,380.00

FUND:

FISCAL IMPACT:



YES



NO

FISCAL IMPACT

Cost > \$10,000.

Yes



No



SUMMARY

The total project cost for this grant is \$236,900.00 with a 20% Municipal match. The total grant award is \$189,520.00. Abington Township is responsible for \$47,380.00. It is anticipated that Abington Township's municipal match will be provided through in-kind services with township forces providing much of the labor for a majority of the improvements.

ANALYSIS

PennDOT funding will be used for material procurement, engineering and subcontracting of some of the construction work. The Township will provide matching in-kind services in the form of the construction for the majority of the improvements with current Township Public Works forces. This approach provides the most impact for the funds being requested.

RESOLUTION NO. 19-026

A RESOLUTION, BY AUTHORITY OF THE BOARD OF COMMISSIONERS OF THE TOWNSHIP OF
ABINGTON, MONTGOMERY COUNTY, PENNSYLVANIA

AUTHORIZING THE EXECUTION OF A 2018 AUTOMATED RED LIGHT ENFORCEMENT
PROGRAM GRANT PROJECT FUNDING AGREEMENT WITH THE COMMONWEALTH OF
PENNSYLVANIA, DEPARTMENT OF TRANSPORTATION, FOR TRAFFIC SIGNAL UPGRADES AT
THE INTERSECTION OF MEETINGHOUSE ROAD AND FOX CHASE ROAD

Be it RESOLVED, by authority of the Board of Commissioners of the Township of Abington,
Montgomery County, and it is hereby resolved by authority of the same, that the Township
Manager of said Municipality be authorized and directed to sign the attached Automated Red
Light Enforcement Program Project Funding Agreement on its behalf.

ATTEST:

TOWNSHIP OF ABINGTON

Richard J. Manfredi,
Township Manager & Secretary

By _____
Wayne C. Luker, President
Board of Commissioners

I, Wayne C. Luker, President of the Board of Commissioners of the Township of Abington do
hereby certify that the foregoing is a true and correct copy of the Resolution adopted at a regular
meeting of the Board of Commissioners held this 10th day of October, 2019.

DATE: _____

Wayne C. Luker, President
Board of Commissioners



August 2, 2019

AUG 8 AM 11:19

Richard Manfredi, Township Manager
Abington Township
1176 Old York Road
Abington, PA 19001

Dear Mr. Manfredi:

This letter is regarding the 2018 Automated Red Light Enforcement (ARLE) Funding Program Application.

Congratulations! I am pleased to inform you that the Meetinghouse Road and Fox Chase Road Signal Upgrade Project was awarded \$189,520.00.

Over the next several weeks, a project manager from the Pennsylvania Department of Transportation's (PennDOT) Engineering District 6 will contact you. The project manager will work with you to schedule a kickoff meeting to discuss the requirements of the ARLE Funding Program and will begin to schedule the necessary activities to initiate your project.

You are to be commended for submitting a successful application package. In many ways, however, your work is just beginning. By building a successful relationship with PennDOT, together we can advance this project through the remaining steps that will result in its implementation. We are looking forward to seeing your project implemented so that safety and/or mobility benefits may be seen.

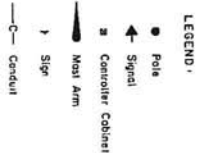
Thank you for your interest in the ARLE Funding program, and best wishes for a successful project.

Should you have any questions, please contact Benjamin Flanagan, Manager, Traffic Operations Deployment Unit, at 717.705.1448 or via email at FA-PDSIGNALFUNDING@pa.gov.

Sincerely,

Public Works

Jonathan Fleming, Acting Director
Bureau of Maintenance and Operations



PRIOR TO INSTALLATION, THE CONTRACTOR SHALL CONSULT WITH THE LOCAL OFFICE AND UTILITY COMPANIES TO RESOLVE ANY PROBLEMS WHICH MAY BE CREATED DUE TO THE LOCATION OF UTILITY LINES.

IN ADDITION TO THIS SIGNAL PERMIT, THE PERMITTEE SHALL OBTAIN A HIGHWAY OCCUPANCY PERMIT PRIOR TO ANY OPENINGS BEING MADE IN OR UNDER ANY PORTION OF A STATE HIGHWAY.

THIS DRAWING CANNOT BE USED AS A CONSTRUCTION DRAWING UNLESS THE PERMITEE COMPLIES WITH THE PROVISIONS OF ACT 287, PREVENTION OF DAMAGE TO UNDERCROAD UTILITIES, EFFECTIVE DATE APRIL 10, 1975.

962-0104 - 50 L.W. FT. - 24" WHITE TRAFFIC ZONE PAINT
TYPE I, (APPLICATION ONLY)

INSTALLATION, OPERATION AND MAINTENANCE OF THESE SIGNALS SHALL BE IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION REGULATIONS GOVERNING THE DESIGN, LOCATION AND OPERATION OF SIGNS, SIGNALS AND MARKINGS.

NO MODIFICATIONS OF THIS INSTALLATION
ARE PERMITTED UNLESS PRIOR APPROVAL IS
GRANTED IN WRITING, BY THE SECRETARY OF
TRANSPORTATION.

ALL MAINTENANCE WORK, INCLUDING TRAINING TREES, NECESSARY FOR PROPER VISIBILITY OF THE SIGNALS IS THE RESPONSIBILITY OF THE PERMITEE.

ALL SIGNS AND PAYMENT MARKINGS INDICATED ON THIS DRAWING ARE CONSIDERED PART OF THE PERMIT AND SHALL BE INSTALLED AND MAINTAINED ACCORDINGLY.

POST MOUNTED SIGNALS SHALL BE INSTALLED WITH THE SIGNAL HEADS A MINIMUM OF 2 FEET BEHIND THE FACE OF THE CURB OR EDGE OF THE SHOULDER. SUPPORT POLES FOR OVERHEAD SIGNALS SHALL ALSO HAVE A MINIMUM HORIZONTAL CLEARANCE OF 2 FEET.

SIGNALS ERECTED OVER THE ROADWAY SHALL HAVE A MINIMUM CLEARANCE OF 16 FEET ABOVE THE ROADWAY. POST MOUNTED SIGNALS SHALL BE A MINIMUM OF 8 FEET ABOVE THE SIDEWALK OR PAVEMENT GRADE.

THE MINIMUM HORIZONTAL DISTANCE BETWEEN SIGNALS MEASURED AT RIGHT ANGLE TO THE APPROACH, SHALL BE 6 FEET.

EXACT LOCATION OF DETECTORS SHALL
BE DETERMINED PRIOR TO INSTALLATION BY A
REPRESENTATIVE OF THE DEPARTMENT.

MEETINGHOUSE ROAD (L.R. 46100) and
FOX CHASE ROAD (APPL. 7180)

<u>William Kolbman</u>	<u>3/21/</u>
MUNICIPAL ENGINEER	DATE
<u>Stephen D. Stata</u>	<u>2-26</u>
DISTRICT TRAFFIC ENGINEER	DATE

[illegible]

N° 950-0801 L.S. CONTROLLER ASSEMBLY, TYPE PT-3M, 3 DIAL, L.R. 46100 (MEETINGHOUSE RD.) AND APPL. 7180 (FOX CHASE RD.)

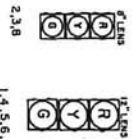


PHASE	A						B					
	1	2	3	4	5	6	1	2	3	4	5	6
INTERNAL												
1, 2, 9	G	Y	R	R	R	R	G	Y	R	R	R	R
4, 6	G	Y	R	R	R	R	G	Y	R	R	R	R
3, 5, 7	R	R	R	G	Y	R	R	R	G	Y	R	R
B	R	R	R	G	Y	R	R	R	G	Y	R	R

N° 1	4:30 P.M. - 6:30 P.M.	126 3.5 1.4	126 3.5 1.4	70 Seconds
Start Time	4:30 P.M.	126 3.5 1.4	126 3.5 1.4	
End Time	6:30 P.M.	126 3.5 1.4	126 3.5 1.4	
Start (°)	126	3.5	1.4	
End (°)	126	3.5	1.4	
Start (ft)	126	3.5	1.4	
End (ft)	126	3.5	1.4	
Start (ft)	126	3.5	1.4	
End (ft)	126	3.5	1.4	

CONTROLLER CABINET			
TYPE	LOCATION	MIN. SIZE	
		D H W	

ITEM 955-0001 SIGNAL HEADS, L.R. 46100 B Appl. 7180



OVERHEAD SIGNALS SHALL BE RIGIDLY MOUNTED AND EQUIPPED WITH LOWERED BACKPLATES

POLE TABULATION				ITEM NUMBER			
POLE	STREET	LOCATION	OFFSET	L	TYPE	531	535
1	Meetinghouse Rd.	41100 R.	27'	40'	Meet Arm	1	1
2	Meetinghouse Rd.	41150 L.	10'	-	C-Post	1	1
3	Meetinghouse Rd.	41182 L.	10'	-	C-Post	1	1
4	Meetinghouse Rd.	41189 R.	22'	-	C-Post	1	1
TOTALS						1	3

ITEM N° 954-0001 L.S. ELECTRICAL DISTRIBUTION SYSTEM (QUANTITIES SHOWN ARE FOR INFORMATION ONLY)									
ITEM	STREET	FROM	TO	TYPE	CONDUIT	B TRENCH	CONDUIT	B TRENCH	CONDUIT
1	L.R. 46100	PE #1-A	CC	100'	3/4"	2 @ 15'	100'	3/4"	2 @ 15'
2	"	PE #1-B	SH 1	65'	3/4"	2 @ 15'	65'	3/4"	2 @ 15'
3	"	PE #1-C	SH 4	65'	3/4"	2 @ 15'	65'	3/4"	2 @ 15'
4	"	PE #1-D	SH 9	10'	3/4"	2 @ 15'	10'	3/4"	2 @ 15'
5	"	PE #1-E	SH 9	10'	3/4"	2 @ 15'	10'	3/4"	2 @ 15'
6	"	PE #1-F	SH 2	15'	3/4"	2 @ 15'	15'	3/4"	2 @ 15'
7	"	PE #1-G	SH 3	15'	3/4"	2 @ 15'	15'	3/4"	2 @ 15'
8	"	PE #1-H	SH 2	15'	3/4"	2 @ 15'	15'	3/4"	2 @ 15'
9	"	PE #1-I	SH 3	15'	3/4"	2 @ 15'	15'	3/4"	2 @ 15'
10	"	PE #1-J	SH 2	15'	3/4"	2 @ 15'	15'	3/4"	2 @ 15'
11	"	PE #1-K	SH 3	15'	3/4"	2 @ 15'	15'	3/4"	2 @ 15'
12	"	PE #1-L	SH 2	15'	3/4"	2 @ 15'	15'	3/4"	2 @ 15'
13	"	PE #1-M	SH 3	15'	3/4"	2 @ 15'	15'	3/4"	2 @ 15'
14	"	PE #1-N	SH 2	15'	3/4"	2 @ 15'	15'	3/4"	2 @ 15'
TOTALS									

POWER SERVICE, TYPE B (SEE STANDARD DRAWING TC-7803)

DISTRICT 6 TRAFFIC SIGNALS

MONTGOMERY COUNTY
ABINGDON TOWNSHIP
MEETINGHOUSE ROAD (L.R. 46100)
and FOX CHASE ROAD (Appl. 7180)

APPROVED *William K. Williams* DATE 3/24/72
APPROVED *William K. Williams* DATE 3/24/72
APPROVED *William K. Williams* DATE 3/24/72

FLAT SHEET ALUMINUM SIGN TABULATION				ITEM NUMBER			
S	Y	M	B	1	2	3	4
A	R-1-2	3.5'x3.5'	4.5	YIELD	1	1	1
B	R-1-1	3.5'x3.5'	5.0	NO TURN ON RED	1	1	1
C	W-1-3	3.5'x3.5'	9.0	SIGNAL AHEAD	1	1	1
D	R-1-2	3.5'x3.5'	5.0	FLY KID	1	1	1
E	W-1-1	11'x11'	2.75	MEETINGHOUSE	1	1	1
TOTALS					5	5	5

ITEM 956-0001 DETECTORS			
STREET	LOCATION STA.	DIMENSIONS	LOGIC UNIT NO.
TOTAL NUMBER OF UNITS			



Opinion of Probable Construction Cost
Abington Township
Meetinghouse Road and Fox Chase Road
Full Traffic Signal Modification
McMahon Project # 818164.11

Meetinghouse Road and Fox Chase Road	\$	176,000.00
Mobilization	\$	7,000.00
Maintenance and Protection of Traffic During Construction	\$	8,800.00
Contingencies (10%)	\$	17,600.00
Estimated Construction Cost	\$	209,400.00
Engineering/permitting/bidding	\$	27,500.00
Total Cost	\$	236,900.00
Grant Request (80%)		\$ 189,520.00
Municipal Contribution (20%) (In-kind Services for construction)		\$ 47,380.00

Compiled By: RAL Date:07/02/2018
Checked By: AKK Date:07/02/2019

Assumptions:

1 - This Cost estimate is provided for budgetary purposes only, since detailed design has not been completed



Opinion of Probable Construction Cost
Abington Township
Meetinghouse Road and Fox Chase Road
Full Traffic Signal Modification
McMahon Project # 818164.11

Item Number	Unit Measure	Description	Unit Cost	Quantity	Total Cost
0910-2012	EA	15ft Bracket Arm	\$ 900.00	0	\$ -
4910-2828	EA	LED Luminaire, Arm Mount	\$ 450.00	0	\$ -
0910-4116	LF	AWG 8 Underground Cable, Copper, 1 Conductor	\$ 1.50	0	\$ -
0931-0001	SF	Post Mounted Signs, Type B	\$ 35.00	50	\$ 1,750.00
0936-0200	SF	Structure Mounted Flat Sheet Aluminum Signs	\$ 40.00	125	\$ 5,000.00
0951-0120	EA	Traffic Signal Support, 20' Mast Arm	\$ 11,000.00	1	\$ 11,000.00
0951-2120	EA	Traffic Signal Support, 20' Mast Arm w/luminaire	\$ 12,000.00	0	\$ -
0951-0125	EA	Traffic Signal Support, 25' Mast Arm, w/luminaire	\$ 12,500.00	1	\$ 12,500.00
0951-2130	EA	Traffic Signal Support, 30' Mast Arm, w/luminaire	\$ 13,000.00	0	\$ -
0951-4014	EA	Traffic Signal Support, 14' Pedestal	\$ 4,800.00	4	\$ 19,200.00
0951-4022	EA	Pedestrian Stub Pole, Type B	\$ 650.00	4	\$ 2,600.00
0952-1040	EA	NEMA TS-2; Type 2 Controller Assembly, Type 1 Mounting	\$ 15,000.00	1	\$ 15,000.00
0954-0012	LF	2" Conduit (PVC)	\$ 4.18	50	\$ 209.00
0954-0013	LF	3" Conduit (PVC)	\$ 5.90	150	\$ 885.00
0954-0151	LF	Trench and Backfill, Type I	\$ 15.00	50	\$ 750.00
0954-0153	LF	Trench and Backfill, Type III	\$ 75.00	150	\$ 11,250.00
0954-0201	LF	Signal Cable, 14 AWG, 3 conductor	\$ 1.75	500	\$ 875.00
0954-0202	LF	Signal Cable, 14 AWG, 5 conductor	\$ 2.25	2000	\$ 4,500.00
0954-0203	LF	Signal Cable, 14 AWG, 7 conductor	\$ 2.50	500	\$ 1,250.00
0954-0302	EA	Junction Box, JB-27	\$ 550.00	3	\$ 1,650.00
9999-0303	EA	Junction Box, 17"x30"	\$ 650.00	1	\$ 650.00
0954-0403	EA	Electrical Service, Type C	\$ 1,500.00	1	\$ 1,500.00
0954-0600	EA	UPS battery back-up	\$ 6,500.00	1	\$ 6,500.00
0955-3208	EA	Vehicular Signal Head, Three 12" Sections (LED)	\$ 950.00	7	\$ 6,650.00
0955-3209	EA	Vehicular Signal Head, Four 12" Sections (LED)	\$ 1,250.00	2	\$ 2,500.00
0955-3722	EA	LED Countdown Pedestrian Signal Head	\$ 600.00	4	\$ 2,400.00
0956-0500	EA	Pedestrian Push Button	\$ 350.00	4	\$ 1,400.00
0956-0700	EA	Video Detector	\$ 8,000.00	2	\$ 16,000.00
0956-0701	EA	Radar Dilemma Zone Detection	\$ 8,000.00	2	\$ 16,000.00
0956-0801	EA	Optical Preemption System (3 approaches)	\$ 7,500.00	1	\$ 7,500.00

Traffic Signal Sub Total \$ 149,519.00

Checked By:

Date:

Assumptions:



Opinion of Probable Construction Cost
Abington Township
Meetinghouse Road and Fox Chase Road
Full Traffic Signal Modification
McMahon Project # 818164.11

Item Number	Unit Measure	Description	Unit Cost	Quantity	Total Cost
0960-0005	LF	6" White Hot Thermoplastic Pavement Markings	\$ 2.00	400	\$ 800.00
0960-0021	LF	24" White Hot Thermoplastic Pavement Markings	\$ 10.00	40	\$ 400.00
0963-0001	SF	Pavement Marking Removal	\$ 6.00	50	\$ 300.00
9000-0001	EA	ADA Curb Ramp	\$ 5,000.00	5	\$ 25,000.00

Traffic Signal Sub Total \$ 26,500.00

Checked By:

Date:

Assumptions:

Lisa Erkert

From: Kuhner, Anton <akuhner@mcmahonassociates.com>
Sent: Wednesday, May 29, 2019 1:22 PM
To: Lisa Erkert; Ed Micciolo; Kevin Barron; Angelo Pontelandolfo; Michael DiDomenico
Subject: 2018 ARLE Awards

Hello all,

Today the 2018 ARLE awards were announced and the Township submission was selected.

- Abington Township – \$189,520 to modernize the traffic signal at the intersection of Meetinghouse Road and Fox Chase Road by installing updated signal equipment, detection, pedestrian push buttons and ADA curb ramps.

<https://www.governor.pa.gov/?p=1238731>

Anton Kuhner, P.E., PTOE | Senior Project Manager
O: 215.283.9444 x 1219
D: 267.419.1239
425 Commerce Drive, Suite 200
Fort Washington, PA 19034
akuhner@mcmahonassociates.com
www.mcmahonassociates.com



 Please consider the environment before printing this email

Lisa Erkert

From: Jeannette Hermann
Sent: Wednesday, May 29, 2019 1:37 PM
To: Monica Embery; Lisa Erkert
Subject: FW: Congratulations - ARLE Funding Program Awards

Jeannette

From: Richard Manfredi <rmanfredi@abington.org>
Sent: Wednesday, May 29, 2019 1:36 PM
To: Drew Rothman <drewrothmanward3@gmail.com>; Stuart Winegrad <swinegrad@abington.org>
Cc: Terry Castorina <tcastorina@abington.org>; Jeannette Hermann <jhermann@abington.org>
Subject: Fw: Congratulations - ARLE Funding Program Awards

FYI - - Please see Montgomery County below.

Richard J. Manfredi | Township Manager
Township of Abington
1176 Old York Road,
Abington, PA 19001
267.536.1000

From: Gault, Steve <sgault@pa.gov>
Sent: Wednesday, May 29, 2019 1:29 PM
To: sjmason@doylestownpa.org; gustave.scheerbaum@phila.gov; gustave.scheerbaum@phila.gov; rmp@nhtwp.org; gustave.scheerbaum@phila.gov; tom.maglicco@mckeesport-pa.gov; spymatuning@spypd.com; RHemperly@eastpetersburgborough.org; joe@hazletoncity.org; Richard Manfredi; mkoenig@eastwhitelandpd.org; dnissley@mountjoypa.org; manager@springgroveboro.com; cmccreary@plumstead.gov; tom.maglicco@mckeesport-pa.gov; Paul Leonard; David Dodies; kmcgill@mtlebanon.org; kmcgill@mtlebanon.org; TBingaman@amitytownshippa.com; binghamtownship17@gmail.com; bmerdian@sewickleytownship.org; tom.maglicco@mckeesport-pa.gov; ckatzenm@cityoflancasterpa.com; jcornell@forkstownship.org; ckatzenm@cityoflancasterpa.com; mikegomber@att.net; gustave.scheerbaum@phila.gov; lmartz@bloomsburgpa.org; jstory@hempfieldtpw.org; hustontownship@verizon.net; jbobeck@muhlenbergtwp.com; springdaleboro@hotmail.com; jgranger@exetertownship.com; dbastianini@richland.pa.us; amanda.burkhart@pittsburghpa.gov; lparmenter@erie.pa.us; smitchell@morrisvillepagov.com; lorettoborough@yahoo.com; gustave.scheerbaum@phila.gov; bgeller@bedboro.com; relton@bristoltpw.org; springdaleboro@hotmail.com; Seybert, Ron; cdelsite@sunburypa.org; gustave.scheerbaum@phila.gov; m_brotter@yahoo.com; djmwindor@comcast.net; donna@chuchillborough.com; gbachy@swissvaleborough.com
Subject: Congratulations - ARLE Funding Program Awards

Congratulations! Today, Governor Wolf announced the projects which have been awarded funds through the 2018 Automated Red Light Enforcement (ARLE) Funding Program. The full press release is below. Over the next several weeks you will receive additional information, including an official award letter and a reimbursement agreement. Please note, work should not begin until the reimbursement agreement is fully executed by both the municipality and the Commonwealth.

<https://www.governor.pa.gov/?p=1238731>

Governor Wolf Announces 40 Municipalities to Improve Traffic Safety with Red Light Enforcement Funds

May 29, 2019

LATEST NEWS

Harrisburg, PA – Governor Tom Wolf today announced that the Pennsylvania Department of Transportation (PennDOT) will distribute \$15.4 million in Automated Red Light Enforcement (ARLE) funding to 38 municipalities statewide to fund 50 safety projects.

Pennsylvania's ARLE program aims to improve safety at signalized intersections by providing automated enforcement at locations where data shows red-light running has been an issue.

"This program helps communities across the state make investments in traffic flow and safety," Governor Wolf said. "These improvements complement the many road, bridge, and multimodal projects happening in Pennsylvania."

Under state law, grant funding is supplied by fines from red light violations at 30 intersections in Philadelphia. The law specifies that projects improving safety, enhancing mobility and reducing congestion can be considered for funding. Municipalities submitted 134 applications, totaling almost \$38 million in requests.

Projects were selected by an eight-member committee based on criteria such as benefits and effectiveness, cost, local and regional impact, and cost sharing.

This investment brings the total dollars awarded through the ARLE funding program to \$78.49 million, funding 416 safety projects since 2010.

The 50 approved projects are as follows:

Allegheny County:

- Churchill Borough – \$107,000 to upgrade traffic signal controllers, install battery backup systems, and new LED traffic signal heads at three intersections.
- City of Pittsburgh – \$165,000 to upgrade the traffic signal at intersection of Bigelow Boulevard and Bayard Street with new traffic signal supports, LED signal heads, full pedestrian accommodations and detection system.
- McKeesport City – \$344,000 to upgrade the traffic signal at intersection of Versailles Avenue and Evans Street by installing new traffic signal supports, signal heads, pedestrian accommodations, controller assembly, detection, and new ADA curb ramps; to create a Traffic Safety Program that would assess the needs of intersections throughout the city where there are large pedestrian and vehicle conflicts, speeding issues and sight distance problems; and to install Accessible Pedestrian Signals at the intersection of Lysle Boulevard and Coursin Street.
- Mt. Lebanon Township – \$268,149 to improve safety and operational efficiencies by constructing an auxiliary right turn lane on the Segar Road approach to Bower Hill Road; to improve safety and operational efficiencies by constructing of an auxiliary right turn lane on the Bower Hill Road approach to Washington Road, and to replace strain poles with Mast Arms at the intersection; and to install new LED pedestrian signal heads, emergency vehicle preemption, emergency generator panels, and push buttons at various locations.
- Richland Township – \$164,000 to install new LED pedestrian signal heads, emergency vehicle preemption, emergency generator panels, and pedestrian push buttons at various locations.
- Springdale Borough – \$505,500 to upgrade traffic signal at the intersection of Pittsburgh Street and School Street with new signal supports, LED signal heads, pedestrian accommodations, controller assembly, detection and ADA facilities; and to upgrade traffic signal at the intersection of Pittsburgh

Street and James Street with new signal supports, LED signal heads, pedestrian accommodations, controller assembly, detection and ADA facilities.

- Swissvale Borough – \$60,000 to upgrade traffic signal heads and the traffic signal controller, and to install a battery backup system at the intersection of South Braddock Avenue and Waverly Street/Edgewood Avenue.

Berks County

- Amity Township – \$173,245 to improve safety by modifying the traffic signal left turn phasing at Route 422 and Monocacy Creek Road and reconstructing the center median on the Eastern leg.
- Exeter Township – \$299,000 to reconstruct the traffic signal at the intersection of Perkiomen Avenue and East Neversink Road by installing mast arms, video and dilemma zone detection, emergency pre-emption, and ADA compliant pedestrian accommodations.
- Muhlenberg Township – \$79,596 to improve safety by rehabilitating school warning signal system on Kutztown Road.

Bucks County

- Bristol Township – \$308,200 to improve safety at the intersection of Hood Boulevard and Queen Anne Drive by installing mast arms, conduit, signal cables, uninterruptable power supply, LED vehicular signal heads, LED countdown pedestrian signal heads, pedestrian push buttons, video detectors, radar detection system and emergency preemption system.
- Doylestown Township – \$380,817 to improve safety at the intersection of Swamp Road and Easton Road by retiming the traffic signal and installing mast arms, emergency preemption, dilemma zone detection, video detection, uninterruptable power supply, pedestrian push buttons and dedicated hand/man pedestrian signals with countdown timers.
- Morrisville Borough – \$20,000 to update and replace existing regulatory signage at various locations throughout the borough and install breakaway sign posts.
- Northampton Township – \$137,000 to improve pedestrian and traffic signal improvements at four intersections by installing pedestrian countdown timers, emergency vehicle preemption, video detection and radar detection.
- Plumstead Township – \$646,128 to improve pedestrian safety at the center of Plumsteadville by installing ADA ramps, crosswalks, pedestrian push buttons Hand/Person pedestrian signals with countdown timers, and signalization upgrades.

Cambria County

- Loretto Borough – \$50,000 to improve pedestrians and motorist safety at Syberton Road from Saint Michael School to the Basilica of Saint Michael Church by installing pedestrian crossing, detectable warning devices, a level walkway, pavement markings, and flashing warning signals.

Centre County

- Ferguson Township – \$80,000 to upgrade bicycles/motorcycles detection by installing dilemma zone and digital radar detections at two signalized intersections; Blue Course Drive & Circleville Road/Teaberry Lane and Blue Course Drive & Havershire Boulevard.
- Huston Township – \$25,000 to improve safety on Route 3040 (Alt220) to the east of the village of Julian by installing a new solar-powered flashing warning sign on pedestal support pole.

Chester County

- East Whiteland Township – \$71,216 to maintain and improve safety by deploying portable traffic control signals at desirable locations throughout the township.

Columbia County

- Town of Bloomsburg – \$301,154 to improve safety at the intersection of Market Street and 5th Street by fully modernizing the traffic signal and adding emergency vehicle preemption.

Erie County

- City of Erie – \$72,040 to upgrade fluorescent and incandescent railroad preemption signs with LEDs at four intersections.

Lackawanna County

- Dickson City Borough – \$335,000 to install a traffic signal and pedestrian improvements at the intersection of Bowman Street and Main Street.

Lancaster County

- City of Lancaster – \$563,080 to upgrade school beacon flashers located at 12 schools throughout the city; and to improve pedestrian and bicycle safety at four intersections along Christian Street by installing ADA curb ramps, vegetated curb bump outs, and speed tables.
- East Petersburg Borough – \$218,000 to improve the traffic signal at the intersection of Main Street and State Street by installing updated traffic signal supports, hand/person pedestrian signals, ADA-compliant pedestrian pushbuttons, MUTCD compliant lights, high-intensity grade reflective signal material, and the use of LED signals.
- Mount Joy Borough – \$219,060 to upgrade pedestrian signals at five intersections along Main Street by installing HAND/MAN countdown LED signals and APS pedestrian push buttons.

Luzerne County

- City of Hazleton – \$269,430 to upgrade the traffic signal at the intersection of 15th Street and Grant Street by installing mast arms, new signal heads, pedestrian countdown signals with push buttons, video detection system, emergency preemption system, pavement markings and ADA ramps.

Montgomery County

- Abington Township – \$189,520 to modernize the traffic signal at the intersection of Meetinghouse Road and Fox Chase Road by installing updated signal equipment, detection, pedestrian push buttons and ADA curb ramps.
- Upper Dublin Township – \$380,000 to improve traffic signal and geographic layout of the intersection of Susquehanna Road and Fitzwatertown Road by upgrading the signal controller and installing pedestrian countdown signals, new battery backup, mast arms, dilemma zone detection, traffic adaptive system and a protected left turn lane.
- Upper Moreland Township – \$106,500 to upgrade pedestrian and traffic signals at the intersection of Blair Mill Road and Horsham Road by installing countdown pedestrian signals, emergency preemption, video detection and radar dilemma zone detection.

Northampton County

- Forks Township – \$411,798 to upgrade signals along Sullivan Trail by installing battery backup system, ADA-compliant curb ramps, continental-style crosswalk pavement markings, and pedestrian countdown timers with pushbuttons.

Northumberland County

- City of Sunbury – \$317,000 to improve the traffic signal at the intersection of North Fourth Street and Reagan Street by installing a new mast arm, ADA compliant curb cuts and crosswalk, new vehicle detection and pedestrian signals with push buttons.

Philadelphia County

- City of Philadelphia – \$7.6 million to continue the Neighborhood Slow Zone Program, by deploying traffic calming strategies at various locations throughout the city; to continue Philadelphia's Modern Roundabout Program by replacing geometrically complex signalized intersections with roundabouts at four possible locations; Ardleigh Street & Vernon Road, Cobbs Creek Parkway & 70th Street, Montgomery Avenue & Belmont Avenue, and Pine Road & Shady Lane; to establish a citywide program to improve pedestrian and traffic safety by improving LED street lighting expecting to cover approximately 35 city blocks; to improve safety along Cobbs Creek Parkway from 63rd Street to Upland Street by replacing guiderail system; to identify and implement Pavement Marking and Signing Asset Management throughout the city; and to expand and upgrade arterials by integrating them into ATMS in which new signal controllers are being interconnected with single-mode fiber optic system.

Potter County

- Bingham Township – \$35,000 to improve safety at Northern Potter School with new solar powered flashing devices, pedestal and signage.

Washington County

- East Washington Borough – \$56,000 to improve safety at along East Beau Street by installing LED school zone speed limit warning devices.

Westmoreland County

- Hempfield Township – \$70,000 to upgrade school zone speed warning devices at two schools.
- Sewickley Township – \$53,000 to improve safety at Young Senior High School along Lowber Road by installing speed limit sign with flashing beacons.

York County

- Spring Grove Borough – \$229,855 to improve safety at the intersection of Main Street and Jackson Street by improving geometric layout, stripping and curbing, and installing Rectangular Rapid Flashing Beacon on Main Street.
- Windsor Borough – \$8,614 to install emergency vehicle preemption equipment at the intersection of Main Street and Penn Street.

For more information, visit the traffic signals page under “Travel In PA” at www.penndot.gov, or email RA-PDSIGNALFUNDING@pa.gov.

Steve Gault, P.E., PTOE | Statewide Traffic Signal Operations Engineer
Pennsylvania Department of Transportation
Bureau of Maintenance and Operations | Traffic Operations Division
400 North Street | Harrisburg, PA 17120-0064
sgault@pa.gov | 717.787.6988

Lisa Erkert

From: Lisa Erkert
Sent: Friday, July 06, 2018 1:56 PM
To: Kuhner, Anton; Angelo Pontelandolfo; Ed Micciolo
Subject: RE: Submission Receipt: ARLE Program Application (2018) - ABINGTON TOWNSHIP (46101)

Thank you Anton!

Lisa Erkert, Office Manager
Public Works Department

Township of Abington
1176 Old York Road
Abington, PA 19001
Phone - 267-536-1032
Fax - 215-884-0301
Email - lerkert@abington.org

From: Kuhner, Anton [mailto:akuhner@mcmahonassociates.com]
Sent: Friday, July 06, 2018 1:40 PM
To: Lisa Erkert; Angelo Pontelandolfo; Ed Micciolo
Subject: FW: Submission Receipt: ARLE Program Application (2018) - ABINGTON TOWNSHIP (46101)

FYI. Grant Submission

Anton Kuhner, P.E., PTOE
McMahon Associates, Inc.
O: 215.283.9444 x 1219
D: 267.419.1239
www.mcmahonassociates.com

From: RA-pdARLEGrants@pa.gov [mailto:RA-pdARLEGrants@pa.gov]
Sent: Friday, July 06, 2018 1:39 PM
To: rmanfredi@abington.org
Cc: Kuhner, Anton <akuhner@mcmahonassociates.com>; vtemino@pa.gov; lbelmonte@pa.gov
Subject: Submission Receipt: ARLE Program Application (2018) - ABINGTON TOWNSHIP (46101)

THANK YOU for completing an application for the Automated Red Light Enforcement (ARLE) Program. Your application has been successfully received and will be considered for the 2018 funding round.

Attached is a copy of your ARLE application submitted on 7/6/2018 1:38:38 PM.

Your application ID is: ARLE-2018-46101-1584. Please use this ID for all future correspondence with PennDOT.

Thank you for your interest in the ARLE Grant Program!



Township of Abington

Wayne C. Luker, *President*
Steven N. Kline, *Vice President*
Richard J. Manfredi, *Manager*
Jay W. Blumenthal, *Treasurer*

July 25, 2018

Daniel Farley
Manager, Traffic Signals and Operational Analysis Unit
Bureau of Maintenance and Operations
Pennsylvania Department of Transportation
400 North Street, 6th Floor
Harrisburg, PA 17120

RE: 2018 ARLE Application
Matching Funds Commitment Letter
Meetinghouse Road and Fox Chase Road
Abington Township, Montgomery County, PA

Dear Mr. Farley:

Please accept this correspondence as the "Official Letter" from Abington Township to provide a 20% match for the subject project, for the application to which this letter is attached. Abington Township will provide the match through in-kind services from the Public Works Department. Public Works Staff will perform construction of the improvements as determined during the final design and may include ADA ramp construction or installation of traffic signal equipment (signal heads, wiring, etc.).

Our application for the subject project involves modernization of the existing traffic signal equipment at the intersection including mastarms, controller, video detection, and pedestrian accommodations including ADA ramps. A cost estimate is attached to our application to complete the project at an estimated cost of \$236,900.00. The Township is committed to providing the 20% match through in-kind services in the amount of \$47,380.00.

Thank you in advance for your due consideration of this funding request. Please contact me, should you have any questions or require additional information to achieve your favorable award of this application request.

Best Regards,

Richard J. Manfredi
Township Manager

Cc: Drew Rothman, Commissioner, Ward 3
Amy Montgomery, Director of Engineering & Code
Angelo Pontelandolfo, Director of Public Works
Kevin Barron, Finance Director

**2018 Automated Red Light Enforcement
(ARLE) Grant Program Application**



Abington Township (ARLE-2018-46101-1584)

District / County 06 - Montgomery County

Project Title Meetinghouse Road and Fox Chase Road Signal Upgrade

Applicant Contact Information

First Name

Richard

Last Name

Manfredi

Title

Township Manager

Street Address

1176 Old York Road

City

Abington

Zip Code

19001

Phone Number

267-536-1003

Alternative Phone Number

E-mail Address

rmanfredi@abington.org

Consultant Contact Information

First Name

Anton

Last Name

Kuhner

Company Name

McMahon Associates, Inc.

Street Address

425 Commerce Drive, Suite 200

City

Fort Washington

Zip Code

19034

Phone Number

215-283-9444

Alternative Phone Number

E-mail Address

akuhner@mcmahonassociates.com

Project Summary

Project Title

Meetinghouse Road and Fox Chase Road Signal Upgrade

Project Type

Safety Improvements - Isolated Signal(s)

Description of Proposed Project

Abington Township proposes to improve the existing signalized intersection of Meetinghouse Road and Fox Chase Road by completing a full modernization of the intersection's signal equipment, including updated detection, pedestrian push buttons and ADA curb ramps.

Is this a multi municipality application? ☒ No

Location

Location Description

The proposed improvements are located at the intersection of Meetinghouse Road and Fox Chase Road in Abington Township, Montgomery County. The intersection is surrounded by primarily residential uses, as well as, schools and public parks.

Does this project involve traffic signals? ☒ Yes

Pennshare ID	Permit No	Municipality	MajorStreet	MinorStreet	Corridor
10054	NO PERMIT	Abington Township			Local Highway

Project Location Map Attachments

69092-Abington Twp Map.pdf

Project Justification

Description of Existing Problem(s) to be Addressed:

The traffic signal equipment at the intersection of Meetinghouse Road and Fox Chase Road is over 30 years old and has not been modified since its installation. This results in equipment malfunctions and ongoing recutting and replacement of detection loops when they break due to weather and/or utility maintenance. The Meetinghouse Road approaches to the intersection are covered by a single overhead traffic signal and is controlled with a single mastarm which does not allow for the installation of overhead street name signs. The existing intersection does not have emergency pre-emption and there are no indications for pedestrians. The Township is developing a project to install sidewalk along Meetinghouse Road and Fox Chase Road to provide connections to Alvethorpe Park, Abington Friends School and Manor Junior College. Upgrading the pedestrian accommodations at this intersection would provide for additional accessibility.

Description of the Anticipated Benefits:

Safety, congestion reduction, modernization, energy efficiency, reduction of long-term operation and maintenance, etc.

The operation of the intersection would be improved with the installation of all new signal equipment. Delay currently occurs at the intersection due to outdated signal timing, outdated signal heads, minimum pedestrian accommodations, malfunctioning detection systems, and outdated controller equipment. With the improvements at the intersection identified as part of this project, several safety benefits are anticipated under this project. Based upon the improvements identified above, the following benefits are anticipated:

- Improved pedestrian and vehicle safety with the installation of pedestrian signals with countdown timers.
- Improved pedestrian safety through installation of latching pedestrian pushbuttons which provide a confirmation to the user.
- Improved intersection operation with the addition of video and radar detection and addition of left turn phases.

- Reduced maintenance and operational costs with the installation of current traffic signal equipment.
- Improved visibility of vehicular signal heads.
- improved user experience with the addition of overhead street name signs.
- Improved emergency response with the addition of emergency pre-emption.

How does this Impact the Region:

Describe the Consistency with any Regional (MPO/RPO), County, Local Plans, Official Maps, etc.

The project meets regional goals from current plans. Below are examples of specific statements from relevant plans that demonstrate consistency with Regional Plans.

DVRPC Connections 2040 Plan for Greater Philadelphia (2013):

Principle:

Establish A Modern Multimodal Transportation System

Philosophy:

Preserve and maintain the existing transportation system and rights of way. Improve the operation of existing transportation facilities. Increase the capacity of the existing multimodal transportation system, limiting the addition of through travel lanes.

Strategies (Reduce Congestion):

Optimize the efficiency of the existing transportation system through incident management, access control, signal system improvements, roundabouts, and needed highway improvements.

Strategies (Improve Transportation Operations):

Reduce traffic congestion through improved traffic management that include optimizing traffic signal operations.

Describe Current and Past Maintenance and Operations Plan:

Traffic signal maintenance is performed by Abington Township and the Township will conduct the maintenance on the new equipment in accordance with Publication 191, Guidelines for the Maintenance of Traffic Signal Systems.

Maintenance and Operation Plan Attachments

69093-Sample Maintenance Plan (TE-973).pdf

Explain how the project is innovative in improving safety and mobility:

The project will utilize the most current traffic signal technology to improve the intersection operations and increase the safety of the intersection. Additionally, the pedestrian upgrades at the intersection will provide increased safety features for pedestrians.

Explain how the project is cost affective:

Installing updated signal equipment will help to reduce costs for reasons such as creating a decrease in emergency maintenance, eliminating the need to implement traffic control and disturb the pavement when the loop detectors break, reduction in energy costs with both the new controller equipment and the use of LED bulbs. The project will utilize standard PennDOT items which should result in construction costs that match the cost estimate.

Additionally, The Township will provide in-kind services for construction to reduce the construction costs. The Township maintains their own traffic signal maintenance staff, who are capable of completing the portions of the traffic signal installation, including signal head placement, sign installation, wiring and controller setup. This will reduce the construction costs of the project.

Explain the proposed project schedule:

The project schedule is attached to this application and it is anticipated that this project will require 12 months for completion.

Project Schedule Attachments

69123-Abington Project Schedule.pdf

Project Funding

Project Budget

Activity	Requested Amount	Matched Amount
Preliminary Engineering	\$0.00	\$0.00
Final Budget Cost	\$27,500.00	\$0.00
Utilities Cost	\$0.00	\$0.00
Right-of-Way Costs	\$0.00	\$0.00
Construction Cost	\$162,020.00	\$47,380.00
Miscellaneous Services	\$0.00	\$0.00
Total	\$189,520.00	\$47,380.00

Total Project Cost **\$236,900.00**

Matched Percentage **20.00 %**

Matched Funding Sources

- ☐ None
☐ Monetary
☒ In-Kind Services
☐ Other

Cost Estimate Attachments

69124-2018-07-2 Preliminary Cost Estimate.pdf

Supporting Documents

Existing Traffic Signal Permit Plan

Terms & Conditions

- This is a grant program that utilizes invoicing and reimbursement with no initial money up front.
- Failure to comply with any and all of these requirements may result in the disapproval or termination of a previously approved project and if the project is already underway, we will be obligated to refund all funding disbursed on the project date.
- Applicant is responsible for advancing the project, not PennDOT. However, PennDOT is available to assist with these processes.
- All of the individuals and entities listed on the application are aware that they are being included in the project listed on the application and agree to their assigned roles, as required.
- We agree to enter into an agreement prepared by PennDOT that, among other things, sets forth the terms and conditions governing the performance of the project, inspection of the work, disbursement of funding, recordkeeping and auditing requirements, and our financial obligations as sponsor and provides for maintenance of the completed project improvements.
- We certify that the affirmations contained in this application are true and correct to the best of the applicant's knowledge, information and belief, and that this verification is made subject to the penalties of 16 PA C.S.4904, relating to unsworn falsification to authorities.

☒ I agree to these Terms & Conditions as the applicant

Application Submitted Date 7/6/2018 1:38:38PM



PUBLIC WORKS COMMITTEE

AGENDA ITEM

September 25, 2019

DATE

PW-02-101019

AGENDA ITEM NUMBER

Engineering & Code

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000.

Yes

☐

No

☒

PUBLIC BID REQUIRED

Cost > \$20,100

Yes

☐

No

☒

AGENDA ITEM:

Charles D. Conklin Recreation Center - Pollutant Reduction Plan Crediting Agreement between the Township of Cheltenham and the Township of Abington.

EXECUTIVE SUMMARY:

Township Manager to execute the Inter-Municipal Crediting Agreement for the Conklin Recreation Center Pollution Reduction Plan. This is required by the Pennsylvania Department of Environmental Protection (DEP) to document the credits to Cheltenham Township from a small area of Abington.

This does not impact any MS4 projects for Abington as one were planned for this area due to limited land opportunities.

PREVIOUS BOARD ACTIONS:

RECOMMENDED BOARD ACTION:

Consider a motion authorizing the Township Manager to execute the Inter-Municipal Crediting Agreement for the Conklin Recreation Center Pollution Reduction Plan.

Township of Cheltenham

Montgomery County, Pennsylvania

Board of Commissioners

Daniel B. Norris, *President*
Ann L. Rappoport, *Vice President*
Irv Brockington
Baron B. Holland
Brad M. Pransky
J. Andrew Sharkey
Mitchell Zygmund-Felt

Township Manager

Bryan T. Havir



Administration Building

8230 Old York Road
Elkins Park, PA 19027-1589

Phone: 215-887-1000
FAX: 215-887-1561
www.cheltenhamtownship.org

September 25, 2019

Mr. Richard Manfredi
Township Manager
Abington Township
1176 Old York Road
Abington, PA 19001

Re: Crediting Agreement for the Conklin Recreation Center Pollution Reduction Plan

Dear Mr. Manfredi:

Enclosed please find a fully executed Inter-municipal Crediting Agreement for the Conklin Recreation Center Pollution Reduction Plan. Per our recent conversation, please review this matter with your Board and Township Solicitor and return a signed copy of the Agreement to me so we can provide it to the Pennsylvania Department of Environmental Protection (DEP) to document the credits to Cheltenham Township for this project.

If you have any questions, please do not hesitate to contact me at the Township Administration Building 215-887-6200 ext. 112 or bhavir@cheltenham-township.org.

Sincerely,

Bryan T. Havir
Township Manager

BTH/aml
Enclosure

cc: Alyson Elliott, Assistant Township Manager
Mark Eisold, Cheltenham Township Engineer
Amy Montgomery, Abington Township Engineer
Susan Harris, Project Consultant, Cerulean Environmental

Charles D. Conklin Recreation Center
Pollutant Reduction Plan Crediting Agreement

This Agreement, is made this ____ day of _____, _____ by and between
the Township of Cheltenham, located at 8230 Old York Road, Elkins Park, PA 19027 and the
Township of Abington, located at 1176 Old York Road, Abington, PA 19001.

BACKGROUND

The background of this Agreement is as follows:

1. Cheltenham Township is proposing to retrofit the landscape to install a constructed wetland feature below an existing MS4 outfall at the 6.68 acre Charles D. Conklin Recreation Center, located at 15 Church Road, Elkins Park, PA 19027.
2. Areas within the contributing drainage area to the proposed constructed wetland feature receive stormwater runoff from urbanized areas as identified in both Cheltenham and Abington Township's Pollutant Reduction Plans.
3. Conklin Recreation Center, located in Cheltenham Township, has been identified as a priority location to effectively manage stormwater runoff from a 42 acre contributing drainage area. The contributing drainage area within Abington Township is primarily privately owned residential land use with limited opportunities for installation of new stormwater management infrastructure.
4. Cheltenham Township is proposing to fully implement, fund, and maintain in perpetuity the constructed wetland feature at the Charles D. Conklin Recreation Center.
5. Cheltenham Township is proposing to receive one hundred percent (100%) crediting of the project towards compliance with regulatory requirements set forth through Cheltenham Township's MS4 requirements for the Tookany Watershed under NPDES Permit No. PAI130080.
6. Each Municipality agrees to share the proposed allocation of the project as follows:

Municipality	Proposed share of Financial Responsibility	Proposed share of Operation and Maintenance	Proposed share of MS4 crediting
Township of Cheltenham	100%	100%	100%
Township of Abington	0%	0%	0%
Total	100%	100%	100%

Charles D. Conklin Recreation Center
Pollutant Reduction Plan Crediting Agreement

7. This agreement represents the entire agreement between the parties hereto. Any amendment to this Agreement shall be in writing and must be signed by all parties in order to be valid and enforceable.
8. This agreement shall be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF, the Municipalities have caused this Agreement to be duly executed as of the day and year written above.

ATTEST:

TOWNSHIP OF ABINGTON:

Signature

Signature

Print Name

Print Name

ATTEST:

TOWNSHIP OF CHELTENHAM:

Alyson E. Elliott
Signature

[Signature]
Signature

Alyson E. Elliott
Print Name

Bryan T. Havir
Print Name



PUBLIC WORKS COMMITTEE

AGENDA ITEM

September 25, 2019

DATE

PW-03-101019

AGENDA ITEM NUMBER

Engineering & Code

DEPARTMENT

FISCAL IMPACT

Cost > \$10,000.

Yes

☐

No

☒

PUBLIC BID REQUIRED

Cost > \$20,100

Yes

☐

No

☒

AGENDA ITEM:

Maple Avenue Detention Basin Project

EXECUTIVE SUMMARY:

This location for a potential detention basin was evaluated due to the resident at 1065 Maple experiencing significant stormwater runoff from the adjacent Township Ardsley Wildlife Sanctuary and Hillside Cemetery. Mapping shows approximately 6-7 acres of runoff from the cemetery and wooded area reach the existing drainage channel next to the house. This area is in the Wissahickon Watershed which is currently the subject of TMDL requirements under the MS4 permit. A basin in this area would provide reductions in siltation, phosphorous and nitrogen which could be credited to the MS4 requirements. An estimate was received from Pennoni in the amount of \$51,000 for engineering and \$100,000 for construction.

It is noted that another MS4 project in this same watershed and in Ardsley Wildlife Sanctuary has been on the books for streambank stabilization and expansion of the existing impoundment area near the terminus of Hamel Avenue. Of the \$500,000 budget, only \$100,000 of funding has been secured through a DCED grant that must be expended for the project by 6/30/2020.

PREVIOUS BOARD ACTIONS:

RECOMMENDED BOARD ACTION:

Consider the Maple Avenue Detention Basin Project.



TOWNSHIP OF ABINGTON

Office of the Township Manager

Richard J. Manfredi
Township Manager

FISCAL NOTE

AGENDA ITEM NUMBER: PW-03-101019

DATE INTRODUCED: September 25, 2019

FISCAL IMPACT AMOUNT:

FUND:

FISCAL IMPACT:



YES



NO

FISCAL IMPACT

Cost > \$10,000.

Yes



No



SUMMARY

Potential Maple Avenue Detention Basin Project

ANALYSIS

The project estimate received from Pennoni is \$51,000 for engineering and \$100,000 for construction by the Township's Construction Services group.



3100 Horizon Drive
Suite 200
King of Prussia, PA 19406
T: 610-277-2402
F: 610-277-7449

www.pennoni.com

September 23, 2019

ABINT 19002

Ms. Amy Montgomery, Township Engineer
Abington Township
1176 Old York Road
Abington, PA 19001

**RE: Abington Township
Budgetary Cost to Complete Design of the Detention Basin – Maple Avenue**

Dear Ms. Montgomery:

As requested, we have determined a budgetary number to complete a survey, infiltration testing and design of a stormwater infiltration/detention basin to mitigate the drainage issue along Maple Avenue.

The proposed stormwater improvements can be located within a wooded lot behind the lots along Maple Avenue that have the drainage issues. It is our understanding that this lot is owned by Abington Township.

Please find the following estimated fees associated with the above referenced:

Topographic Survey: \$12,000.00 LUMP SUM (\$9,000.00 if conducted in fall after leaves have fallen)

A topographic survey of the tributary area to the proposed basin will be completed and is estimated to be around 7 acres. We have looked into using Lidar data and did not find it to be any more efficient.

Geotechnical: \$8,000.00 LUMP SUM (If required)

Our geotechnical team will conduct test pits to determine limiting zones and conduct infiltration testing in accordance with the double-ring infiltrometer testing per Appendix C of the PA BMP Manual. This fee is taking into consideration that the Township will provide clear access to complete the test pits/infiltration testing.

Civil/Site: \$21,000.00 LUMP SUM

Includes preparation of plans and hydrologic and hydraulic design of a detention basin to mitigate drainage issues along Maple Avenue. A stormwater report will be completed and submitted for review providing a narrative of the site, design and calculations of the basin. Please note, that

it is assumed that the area of disturbance is less than one (1) acre to avoid having to submit for a NPDES permit.

Construction Docs/bid package: \$10,000.00 LUMP SUM

The above represents our fee to prepare construction and bid documents. In the event that the township can prepare this information in house, this fee and scope will not be included in Pennoni's service.

The total estimated engineering cost for the above is **\$51,000.00 LUMP SUM**.

Please note, this does not include costs to execute an access easement for maintenance purposes for Abington Township to cross through the adjacent cemetery lot. The Civil/Site is not based on an actual survey at the time so sizing of the design can change based on an actual survey. We estimate the cost of the system to be around \$75,000 to \$100,000. There is a lot of trees in the construction area that would need to be cleared so that is going to affect the construction cost while trying to maintain the area of disturbance to below the 1-acre threshold. The construction cost and Civil/Site fee could be more refined once a survey is completed.

The total budgeted amount (engineering and construction) is around **\$151,000.00**.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

PENNONI



Khaled R. Hassan, PE
Associate Vice President

cc: Richard Manfredi, Township Manager

Woods Area = 137,374.33 SF

POI

Possible Access To Basin (Will Require Easement)

Possible Maintenance Road Location

Total Area = 259,264.46 SF

Watershed to Basin

Meadow Area = 121,358.42 SF

Proposed Basin
Area = 25,918 SF

Property Line

8/27/2019 KRA