

# AGENDA MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS November 9, 2015

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Robert J. Birch Candyce Fluehr Chimera Michael J. Fox Jeffrey W. McDonnell Joseph P. Walsh

Lawrence J. Gregan Township Manager

#### **ACTION MEETING - 8:00 PM**

- 1. Call to Order by Chairman
- 2. Pledge of Allegiance
- 3. Public Comment
- 4. Announcement of Executive Session
- 5. Consider Approval of Minutes of October 26, 2015 Meeting
- 6. Consider Adoption of the 2016 Preliminary Budget
- 7. Presentation Montgomery Township MS4 TMDL Strategy Plan
- 8. Announce 2015 Holiday Lights Contest and Breakfast with Santa
- Consider Authorization to Solicit Proposals for Janitorial Services Community & Recreation Center
- Consider Approval of Addendums to Community and Recreation Center Fitness Services Agreement
- 11. Consider Amended Waiver of Formal Land Development Burger King #M-15-76 (Amending #M-15-72)
- 12. Consider Authorization to Submit Applications Traffic Signal Upgrades
  - DeKalb Pike (SR 2202) and Bethlehem Pike (SR 309) #64-1056
  - DeKalb Pike (SR 2202) and Montgomery Mall Access Driveway #64-1985
- 13. Consider Approval of Out of State Training Department of Fire Services
- 14. Consider Approval of Out of State Training Police Department
- Consider Authorization to Advertise Proposed Ordinance #15-290 Montgomery County Financing for Purchase of Radios
- Consider Establishment of Community and Recreation Center Advisory Committee and Approval of By-Laws
- 17. Consider Payment of Bills
- 18. Other Business
- Adjournment

Future Public Hearings/Meetings:

11-10-2015 @7:30pm – Zoning Hearing Board 11-11-2015 @6:45pm – Autumn Festival Committee (Mont CRC)

11-11-2015 @7:30pm – Park & Recreation Board (Mont CRC)

11-16-2015 @7:30pm - Finance Committee

11-17-2015 @12:30pm - Business Development Partnership

11-18-2015 @6:00pm - Sewer Authority Board

11-18-2015 @7:00pm - Senior Committee (Mont CRC)

11-18-2015 @7:30pm - Shade Tree Commission

11-18-2015 @7:30pm - Public Safety Committee 11-19-2015 @7:30pm - Planning Commission

11-23-2015 @8:00pm - Board of Supervisors

SUBJECT:

**Public Comment** 

MEETING DATE:

November 9, 2015

ITEM NUMBER: #3

MEETING/AGENDA: WORK SESSION

NONE

REASON FOR CONSIDERATION: Operational: XX

Information:

Discussion:

Policy:

INITIATED BY: Lawrence J. Gregan Township Manager

ACTION XX

BOARD LIAISON: Michael J. Fox, Chairman

of the Board of Supervisors

#### BACKGROUND:

The Board needs to remind all individual(s) making a comment that they need to identify themselves by name and address for public record.

The Board needs to remind the public about the policy of recording devices. The individual(s) needs to request permission to record the meeting from the Chairman and needs to identify themselves, by name and address for public record.

#### ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

# PREVIOUS BOARD ACTION:

None.

#### ALTERNATIVES/OPTIONS:

None.

### **BUDGET IMPACT:**

None.

### RECOMMENDATION:

None.

#### MOTION/RESOLUTION:

None.

SUBJECT: Announcement of Executive Session MEETING DATE: November 9, 2015 ITEM NUMBER: #4 MEETING/AGENDA: WORK SESSION ACTION XX NONE REASON FOR CONSIDERATION: Operational: XX Information: Discussion: Policy: INITIATED BY: Lawrence J. Gregan BOARD LIAISON: Michael J. Fox, Chairman Township Manager of the Board of Supervisors **BACKGROUND:** Frank Bartle will announce that the Board of Supervisors met in Executive Session and will summarize the matters discussed. ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT: None. PREVIOUS BOARD ACTION: None. **ALTERNATIVES/OPTIONS:** None. BUDGET IMPACT: None. RECOMMENDATION: None. MOTION/RESOLUTION: None.

SUBJECT: Consider Approval of Minutes for October 26, 2015 ITEM NUMBER: MEETING DATE: November 9, 2015 MEETING/AGENDA: WORK SESSION ACTION XX NONE REASON FOR CONSIDERATION: Operational: XX Information: Policy: Discussion: INITIATED BY: Lawrence J. Gregan BOARD LIAISON: Michael J. Fox, Chairman of the Board of Supervisors Township Manager BACKGROUND: Please contact Deb Rivas on Monday, November 9, 2015 before noon with any changes to the minutes. ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT: None. PREVIOUS BOARD ACTION: None. ALTERNATIVES/OPTIONS: None. **BUDGET IMPACT:** None. RECOMMENDATION: None. MOTION/RESOLUTION:

None.



# MINUTES OF MEETING MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS OCTOBER 26, 2015

Chairman Michael J. Fox called the executive session to order at 7:30 p.m. In attendance were Vice Chairman Candyce Fluehr Chimera, Supervisors Robert Birch, Jeffrey McDonnell and Joseph Walsh. Also in attendance were Robert Iannozzi, Esquire, Bruce Shoupe and Lawrence Gregan.

Chairman Michael J. Fox called the action meeting to order at 8:00 p.m. In attendance were Vice Chairman Candyce Fluehr Chimera, Supervisors Robert Birch, Jeffrey McDonnell and Joseph Walsh. Also in attendance were Robert lannozzi, Esquire, Lawrence Gregan, Scott Bendig, Rick Lesniak, Shannon Drosnock, Ann Shade, Stacy Crandell, Bruce Shoupe, Rich Grier, Brian Forman, Kelsey McMeans and Deb Rivas.

Following the Pledge of Allegiance, Chairman Michael J. Fox called for public comment from the audience and there was none.

Township Solicitor Robert Iannozzi, Esquire reported that the Board had met in an executive session earlier in the evening at 7:30 p.m. to discuss three matters of potential litigation and one personnel matter. Mr. Iannozzi stated that this matter was a legitimate subject of executive session pursuant to Pennsylvania's Sunshine Law.

Chairman Michael Fox made a motion and Supervisor Robert Birch seconded the motion to approve the minutes of the October 13, 2015 Board meeting. The minutes of the meeting were unanimously approved as submitted.

Resolution #1 made by Chairman Michael Fox, seconded by Supervisor Joseph Walsh and adopted unanimously, appointed Michael Lyon to serve as a member of the Montgomery Township Planning Commission with an existing four year term to expire on January 1, 2019.

Police Chief Scott Bendig reported that in early 2015 the Montgomery Township Police

Department's Canine Unit was reduced to two active teams due to the retirement of Canine

Jammer and the untimely passing of Canine Bauer. Two new canines were added to the unit

this year and were introduced to the Board and residents. Canine Cooper is a 22 month old Belgian Malinois assigned to Officer Brian Schreiber. Cooper was imported from Slovakia and trained at the Tarheel Canine Academy in patrol work and narcotics detection. Canine Major is a 21 month old German Shepard assigned to Officer Tim Woch. Major was imported from Slovakia and trained at Tarheel Canine Academy in patrol work and narcotics detection. Chief Bendig also reported that the purchase of these two canines could not have occurred without the generous assistance of members of our community, and in particular, the assistance of District Attorney Risa Vetri Ferman. District Attorney Ferman has been an ardent supporter of the Department's Canine Unit, providing funding for the purchase and training of several of our canines since taking office as our District Attorney in 2007. In appreciation for this support, the Board of Supervisors recognized District Attorney Ferman with a framed photograph of the Canine Unit with the District Attorney along with patches from the Police Department and the Canine Unit. Resolution #2 made Chairman Michael Fox, seconded by Supervisor Joseph Walsh and adopted unanimously, welcomed the new police canines, Cooper and Major, and expressed the Board's sincere appreciation to District Attorney Ferman for her unwavering support of the Montgomery Township Police Department's Canine Unit.

Director of Fire Services Richard Lesniak reported that the Township had received the annual allocation by the Commonwealth of Pennsylvania of a share of the Foreign Fire Insurance Tax in the amount of \$181,959.48, a decrease of 28% from the 2015 allocation. The funds are a result of taxes paid by foreign fire insurance companies to the State of Pennsylvania in accordance with Act 205 of 1984. The funds are allocated by the State to support the Volunteer Fire Relief Association of the volunteer fire company that serves the Township. Resolution #3 made by Chairman Michael Fox, seconded by Vice Chairman Candyce Fluehr Chimera and adopted unanimously, presented a check in the amount of \$181,959.48 from the Commonwealth of Pennsylvania to the FDMT Fire Relief Association.

Director of Fire Services Rick Lesniak reported that the Montgomery Township Department of Fire Services recently received the 2014 Life Safety Achievement award which recognizes the Career and Volunteer members of the Department for its outstanding Fire Prevention program and accomplishments. Montgomery Township is one of only 96 fire departments across the United States to receive the award this year for recording zero fire deaths in 2014. In addition to zero deaths, the award recognizes active and effective fire prevention programs as well as a clear commitment to reducing the number of house fires in the community. Resolution #4 made by Chairman Michael Fox, seconded by Vice Chairman Candyce Fluehr Chimera and adopted unanimously, acknowledged the Fire Department's Life Safety Achievement Award for 2014, and expressed their appreciation and congratulations to the men and women of the Fire Department for this accomplishment.

Director of Recreation and Community Center Brian Forman reported that the Recreation Department is ready to advertise the Winter Recreation Programs and Fees to be offered to the public during the months of January through March, 2016. Programs offered include birthday parties, various sports activities, pickle ball, basketball, volleyball, holistic health, painting, cake decorating and many other programs. The Recreation Department continues to offer a wide selection of healthy fitness classes, including Zumba, yoga and spinning classes at the new Community and Recreation Center. Resolution #5 made by Chairman Michael Fox, seconded by Supervisor Joseph Walsh and adopted unanimously, approved the 2016 Winter Programs and Fee Schedule amendment as submitted.

Chief of Police Scott Bendig reported that members of the Police Highway Safety Unit recently identified several intersections where traffic control devices (signs) had not been installed or where more appropriate signs should be installed. The Police Department has been working to prioritize the signs to be modified for several developments in the Township. An ordinance has been prepared to amend stop and yield regulatory signs at ten locations in Montgomery Village and is ready for the Board's consideration this evening. Resolution #6

made by Chairman Michael Fox, seconded by Supervisor Joseph Walsh and adopted unanimously, adopted Ordinance #15-289 - Amending Stop Intersections and Yield Intersections for the Montgomery Village Development.

Director of Finance Shannon Drosnock reported that the annual General Municipal Pension System State Aid allocation for 2015 has been received in the amount of \$427,370.97, which is a decrease of 1% from the 2014 allocation. The funds are allocated by the Township to the Police and Non-Uniformed Pension plans to offset the cost of these plans. Resolution #7 made by Chairman Michael Fox, seconded by Supervisor Joseph Walsh and adopted unanimously, accepted the recommendation to allocate the 2015 Act 205 General Municipal Pension System State Aid to the Police Pension Plan in the amount of \$243,601.45 and to the Non Uniformed Employee Pension Plan in the amount of \$183,769.52.

Director of Planning and Zoning Bruce Shoupe reported that the Township has received a request from Bharatiya Temple to waive the special event permit fees associated with their Festival which was held on October 22, 2015. In the past, it has been the policy of the Board of Supervisors to waive permit fees for non-profit and religious organizations. Resolution #8 made by Chairman Michael Fox, seconded by Vice Chairman Candyce Fluehr Chimera and adopted unanimously, approved the request of Bharatiya Temple to waive all special event permit fees associated with their Festival which was held on October 22, 2015.

Township Manager Lawrence Gregan reported that Montgomery Township owns and maintains a municipal separate storm sewer system (MS4) requiring a National Pollutant Discharge Elimination System (NPDES) permit to allow discharge of stormwater runoff to waters of the Commonwealth of Pennsylvania. At this time the Township is required to file an amended MS4 TMDL strategy with the state by the end of this year. The draft strategy document has been prepared by the Township Engineer, Gilmore & Associates. The Township is required to solicit public comment, and advertise a public meeting, including a statement whereby the draft strategy document is now available for public inspection. Any comments that are received in

response to the public meeting and to the draft strategy are required to be incorporated into the response, including answers to those questions and comments. The Township is proposing that the Township Engineer present the strategy at the November 9th meeting. In addition, the 30 day public comment period would commence with the advertisement of the notice of the TMDL strategy's availability, which would be October 26, 2015 and run for 30 days from that time period.

Chairman Michael Fox made a motion to approve the payment of bills for October 26, 2015. Supervisor Robert Birch seconded the motion. The payment of bills was unanimously approved as submitted.

Under other business, Director of Recreation and Community Center Brian Forman reported that the Community and Recreation Center is proposing to engage AGT Fitness Management, Inc. to provide certified fitness staff to the Community and Recreation Center for a one year contract period. Under the contract, AGT would provide professional staffing for the fitness center including a full time on-site fitness specialists and group fitness instructors. These positions would provide staffing for all of the hours that the Community and Recreation Center is open per week. The cost for the services under this contract would be \$6,995.00 per month. A financial cost-benefit analysis was presented which shows that the Township would spend less money annually by contracting with AGT Fitness Management, Inc. than it would by providing a similar level of coverage with Township hired staff. Resolution #10 made by Chairman Michael Fox, seconded by Supervisor Joseph Walsh and adopted unanimously, approved the agreement with AGT Fitness Management Inc. to provide Certified Fitness Staff to the Community and Recreation Center at the cost of \$6,995.00 per month.

There being no further business to come before the Board, the meeting adjourned at 8:30 p.m.

SUBJECT: Consider Approval of 2016 Preliminary Budget

MEETING DATE: November 9, 2015

ITEM NUMBER: #6

MEETING/AGENDA: WORK SESSION

**ACTION XX** 

NONE

REASON FOR CONSIDERATION: Operational: XX

**Finance Director** 

Policy: Discussion: Information:

INITIATED BY:

Shannon Q. Drosnock

BOARD LIAISON: Robert J. Birch, Supervisor

Liaison - Finance Committee

#### BACKGROUND:

The Board of Supervisors conducted four public workshops during the month of October. These meetings were held with all department heads and representatives of the FDMT and Montgomery Township Sewer Authority to review proposed revenues and expenditures for the 2016 Preliminary Budget. A summary of the proposed revenues and expenditures for each fund is attached. Presentation slides highlighting the revenue and expenditures in the 2016 Preliminary Budget will be presented at the public meeting on Monday night.

Upon adoption of a preliminary budget by the Board, a notice must be advertised once in one newspaper of general circulation in the township that the proposed budget is available for public inspection at the Township Building. After the approved preliminary budget has been available for public inspection for twenty (20) days, the Board of Supervisors shall, after making revisions as are appropriate, adopt a final budget not later than December 31st.

The adoption of this 2016 Preliminary Budget is an important step towards adoption of a Final Budget for 2016. If the estimated revenues or expenses in a proposed Final Budget are increased more than ten percent in the aggregate or more than twenty-five percent in any major category over the advertised 2016 Preliminary Budget, a Final Budget may not be legally adopted with those increases unless it is been advertised again and an opportunity given to taxpayers to examine the amended Final Budget.

#### ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:

None.

BUDGET IMPACT:

As described above.

# RECOMMENDATION:

Approve the 2016 Preliminary Budget for public inspection as proposed.

# MOTION/RESOLUTION:

BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby adopt the 2016 Preliminary Budget for all funds in the form attached hereto.

BE IT FURTHER RESOLVED that we hereby set Monday December 14, 2015 at 8:00 p.m. in the Township Building as the date, time and place for the Public Meeting for consideration of adoption of the 2016 Final Budget.

MOTION:	SECOND: _	-		
ROLL CALL:				
Robert J. Birch	Aye	Opposed	Abstain	Absent
Candyce Fluehr Chimera	Aye	Opposed	Abstain	Absent
Jeffrey W. McDonnell	Aye	Opposed	Abstain	Absent
Joseph P. Walsh	Aye	Opposed	Abstain	Absent
Michael J. Fox	Aye	Opposed	Abstain	Absent

MONTGOMERY TOWNSHIP					
2016 PRELIMINARY BUDGET					
	2015	2016			
Fund-Dept	Original Budget				
FUND 01 GENERAL FUND					
REVENUES					
Subtotal Real Estate Taxes	1,626,100.00	1,636,100.0			
Subtotal Earned Income Taxes	4,790,000.00	5,190,000.0			
Subtotal Local Enabling Taxes	4,065,000.00	4,151,000.00			
Subtotal Permits	579,000.00	579,000.00			
Subtotal Licenses	623,750.00	650,500.00			
Subtotal Fines	175,000.00	175,000.00			
Subtotal Interest	18,300.00	40,000.00			
Subtotal Rent	0.00	0.00			
Subtotal Grants	503,000.00	520,500.00			
Subtotal Departmental Fees	75,750.00	75,750.00			
Subtotal Other Financing Sources	76,000.00	76,000.00			
Subtotal Interfund Transfers	579,800.00	311,350.00			
Total General Fund Revenues	13,111,700.00	13,405,200.00			
EXPENDITURES					
Subtotal Administration	1,342,250.00	1,391,850.00			
Subtotal Tax Collection	231,300.00	221,750.00			
Subtotal Finance	884,600.00	675,800.00			
Subtotal Police	6,047,250.00	6,278,000.00			
Subtotal Police Vehicles	258,900.00	285,300.00			
Subtotal Fire Protection	85,140.00	87,150.00			
Subtotal Emergency and VMSC	12,550.00	14,450.00			
Public Works - General					
Subtotal Public Works - General	1,874,385.00	1,768,250.00			
Subtotal Snow Removal	101,100.00	123,100.00			
Subtotal Public Works - Traffic Lights	82,550.00	82,200.00			
Subtotal Public Works - Street Lighting	19,500.00	20,500.00			
Subtotal Pubic Works - Repair	30,000.00	30,000.00			
Subtotal Interfund Transfers	1,384,850.00	1,658,100.00			
Total Expenditures General Fund	13,111,700.00	13,405,200.00			
TOTAL SURPLUS/DEFICIT GENERAL FUND	0.00	0.00			

MONTGOMERY TOWNS		
2016 PRELIMINARY BUDG	GET	
	2015	2016
Fund-Dept	Original Budget	
FUND 04 DEPARTMENT OF FIRE SERVICES		
Revenue subtotal	1,112,100.00	965,100.00
Expenditure Subtotal	1,112,100.00	965,100.00
TOTAL/SURPLUS/DEFICIT FIRE PROTECTION	0.00	0.00
FUND 05 PARKS AND RECREATION		
Revenue Subtotal	449,600.00	468,800.00
Expenditure Subtotal	258,850.00	499,650.00
TOTAL SURPLUS/DEFICIT FUND 05: PARKS FUND	190,750.00	(30,850.00
FUND 06 BASIN MAINTENANCE:		
Revenue Subtotal	35,400.00	74,200.00
Expenditure Subtotal	85,500.00	74,200.00
TOTAL SURPLUS/DEFICIT FUND 06: BASIN MAINTENANCE	(50,100.00)	0.00
FUND 07 STREET LIGHTS:		
Revenue Subtotal	137,400.00	143,200.00
Expenditure Subtotal	137,400.00	143,200.00
TOTAL SURPLUS/DEFICIT FUND 07: STREET LIGHTS	0.00	0.00
FUND 08 RECREATION CENTER:		
Subtotal Revenues	3,398,600.00	863,000.00
Expenditure Subtotal	7,750,120.00	1,052,725.00
TOTAL SURPLUS/DEFICIT FUND 08: RECREATION CENTER	(4,351,520.00)	(189,725.00
FUND 23: DEBT SERVICE		
Subtotal Fund 23 Revenue	527,280.00	532,680.00
Subtotal Expenditures Fund 23	763,650.00	539,000.00
TOTAL SURPLUS/DEFICIT FUND 23: DEBT SERVICE	(236,370.00)	(6,320.00
FUND 30: CAPITAL RESERVE FUND		
Subtotal Revenue Capital Reserve Fund	595,050.00	803,095.00
Subtotal Expenditures Capital Reserve Fund	6,261,300.00	1,519,850.00
TOTAL SURPLUS/DEFICIT FUND 30 CAPITAL RESERVE FUND	(5,666,250.00)	(716,755.00
FUND 31: PARK DEVELOPMENT FUND		
Subtotal Revenue Park Development Fund	91,700.00	1,500.00
Subtotal Expenditures Park Development Fund	416,000.00	0.00
TOTAL SURPLUS/DEFICIT FUND 31 PARK DEVELOPMENT FUND	(324,300.00)	1,500.00

MONTGOMERY TOW	/NSHIP				
2016 PRELIMINARY E	BUDGET				
	2015	2016			
Fund-Dept	Original Budget				
FUND 35: LIQUID FUELS					
Subtotal Liquid Fuels Revenues	575,300.00	662,100.00			
Subtotal Liquid Fuels Expenditures	541,000.00	591,700.00			
TOTAL SURPLUS/DEFICIT FUND 35 LIQUID FUELS	34,300.00	70,400.00			
FUND 93: ENVIRONMENT					
Subtotal Environment Revenue	45,500.00	75,100.00			
Subtotal Environment Expenditures	392,900.00	63,500.00			
TOTAL SURPLUS/DEFICIT FUND 93 ENVIRONMENTAL	(347,400.00)	11,600.00			

MONTGOMERY TOWNSHIP		
2016 PRELIMINARY BUDGE	T	
	2015	2016
Fund-Dept	Original Budget	
FUND 94: REPLACEMENT TREE	7.	
Subtotal Replacement Tree Revenue	227,400.00	50,800.00
Subtotal Replacement Tree Expenditures	290,500.00	50,800.00
TOTAL SURPLUS/DEFICIT FUND 94 REPLACEMENT TREE	(63,100.00)	0.00
FUND 95: AUTUMN FESTIVAL		
Subtotal Autumn Festival Revenue	25,550.00	25,500.00
Subtotal Autumn Festival Expenditures	25,550.00	37,500.00
TOTAL SURPLUS/DEFICIT FUND 95 AUTUMN FESTIVAL	0.00	(12,000.00
FUND 96: RESTORATION FUND		
Subtotal Restoration Fund Revenue	100.00	0.00
Subtotal Restoration Fund Expenditures	9,900.00	9,900.00
TOTAL SURPLUS/DEFICIT FUND 96 RESTORATION FUND	(9,800.00)	(9,900.00
TOTAL SURPLUS/DEFICIT FUND 99 FIRE DEPARTMENT MONTGOMERY	0.00	0.00
Grand total profit/loss	(10,823,790.00)	(882,050.00
	0.00	0.00
GRAND TOTAL REVENUES - ALL FUNDS	22,335,000.00	20,315,475.00
GRAND TOTAL EXPENSES - ALL FUNDS	33,158,790.00	21,197,525.00
TOTAL SURPLUS/DEFICIT ALL FUNDS	(10,823,790.00)	(882,050.00

SUBJECT: Presentation - Township's MS4 TMDL Strategy

MEETING DATE: November 9, 2015 ITEM NUMBER: #7

MEETING/AGENDA:

**ACTION** 

NONE

REASON FOR CONSIDERATION: Operational: xx

Policy: Discussion: Information:

INITIATED BY:

Lawrence J. Gregan Township Manager

BOARD LIAISON: Michael J. Fox, Chairman,

**Board of Supervisors** 

#### BACKGROUND:

Montgomery Township owns and maintains a municipal separate storm sewer system (MS4) requiring a National Pollutant Discharge Elimination System (NPDES) permit to allow discharge of stormwater runoff to waters of the Commonwealth of Pennsylvania. The Wissahickon Creek and Neshaminy Creek watersheds have approved Total Maximum Daily Load (TMDL) plans. These plans establish sediment waste load allocations (WLA) for the Township limiting the amount of sediment that is permitted to be discharged to these watersheds. At this time, the Wissahickon and Neshaminy TMDL plans have siltation (sediment) WLAs attributed to the Township.

The attached MS4 TMDL Strategy has been prepared by the Township Engineer to satisfy the conditions of the NPDES MS4 permit. The intent of this Strategy is to establish the WLA of the Township and to present a plan to reduce waste loads discharged consistent with the WLAs in the approved TMDLs for each watershed. The Township is required to submit this TMDL Strategy to DEP by December 31, 2015 and is currently soliciting public involvement and participation for the revised TMDL Strategy.

This presentation, incorporated as a part of the public involvement and participation process, is an opportunity for the public to hear a presentation on the proposed strategy and to provide an opportunity to provide verbal or written comments on the strategy. A public notice of this meeting was posted in The Reporter, a newspaper of general circulation in the area on October 28, 2015. In addition, this notice, contained a statement describing the Strategy, where it may be reviewed by the public, and notice that written comments can be made to the Township by November 25, 2015.

Following completion of the public involvement and participation process, the Township Engineer will consider and make a record of each comment received and prepare a written response. This record will be submitted to DEP with the MS4 TMDL Strategy by December 31, 2015.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT: None.

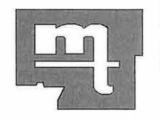
PREVIOUS BOARD ACTION: None.

ALTERNATIVES/OPTIONS: None.

BUDGET IMPACT: None.

RECOMMENDATION: Hear the presentation and accept any verbal or written comments on the strategy.

MOTION/RESOLUTION: None



Montgomery Township 1001 Stump Road Montgomeryville, PA 18936 215-393-6900, Fax: 215-855-6656

November 6, 2015

Legal Notice Advertising – The Reporter Via Email: legals@thereporteronline.com 307 Derstine Avenue Lansdale, PA 19446

ATTN:

Legal Advertising, Account #881229

Dear Marcia:

Please insert the attached legal notice in the next edition of your paper and submit proof of publication to my attention at the above address. Thank you for your attention.

NOTICE OF PUBLIC COMMENT PERIOD AND PUBLIC MEETING for the Montgomery Township MS4 TMDL Strategy. The MS4 TMDL Strategy outlines the plan the Township will use to reduce pollutants discharged from the Township storm sewer system (MS4) consistent with the waste load allocations presented in the Neshaminy Creek and Wissahickon Creek TMDL plans. The Township is soliciting written comments on the MS4 TMDL Strategy. Interested persons may submit written comments during the thirty (30) day period beginning October 26, 2015 and ending November 25, 2015. The document will be available for review at the Township office address below weekdays between the hours of 9AM and 4PM during the comment period. The document is also available for review on the Township website (www.montgomerytwp.org). Written and verbal comments will be accepted at the public meeting scheduled 8PM November 9, 2015 (same night as regular BOS meeting) at the Township office address below. Comments must be submitted in writing to the attention of the Township Manager at the Township office address below or by email (Igregan@montgomerytwp.org). Comments submitted by facsimile will not be accepted. Comments, including comments submitted by email, must include the originator's name and address.

All regular meetings and work sessions of the Board will be in the Township Administration Building and are open to the public, pursuant to Section 704 of the Sunshine Act (65 Pa. C.S. §701, et seq.) At any regular meetings and work sessions of the Board, deliberation and official action may be taken on any item properly before the Board. All interested citizens of Montgomery Township may attend this meeting and will be given the opportunity to be heard at the appropriate time. Persons with disabilities, wishing to attend the Public Hearing and requiring auxiliary aid, service or other accommodations to participate, should contact the Montgomery Township Director of Administration and Human Resources at 215-393-6900.

MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS

Lawrence J. Gregan, Township Manager

Thank you for your assistance with this ad.

)eborah A. Rivas

Sincerely,

Deborah A. Rivas

Administration Supervisor

# MS4 TMDL Strategy For

Montgomery Township Montgomery County, Pennsylvania

> September 2012 Revised October 2015

# Prepared For:

Montgomery Township 1001 Stump Road Montgomeryville, PA 18936 (215) 393-6900

# Prepared By:

Gilmore & Associates, Inc.
Engineers ◆ Land Surveyors ◆ Planners ◆ GIS Consultants
65 East Butler Avenue, Suite 100
New Britain, PA 18901
215-345-4330

# **MS4 TMDL Strategy**

# For Montgomery Township Montgomery County, Pennsylvania

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**Existing Naturalized Basins** 

Appendix E-2 Potential BMPs

**Public Comment and Responses** 

Potential New BMPs

Appendix D-1 Township Basin Locations Map

Appendix D-2 Existing Naturalized Basins Sediment Calculation

Appendix E-1 Potential Township Basins To Be Naturalized

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#### 1.0. Introduction

Montgomery Township, located within Montgomery County, is comprised of 10.7 square miles of land situated within the Neshaminy Creek and Wissahickon Creek watersheds. The Township owns and maintains a small municipal separate storm sewer system (MS4) requiring a National Pollutant Discharge Elimination System (NPDES) permit to allow discharge of stormwater runoff to waters of the Commonwealth of Pennsylvania. The Wissahickon Creek and Neshaminy Creek have approved Total Maximum Daily Load (TMDL) plans. These plans establish sediment waste load allocations (WLA) for Montgomery Township limiting the amount of pollution that is permitted to be discharged to waters of the Commonwealth of Pennsylvania. At the time of this Strategy, the Wissahickon and Neshaminy TMDL plans have siltation (sediment) WLAs attributed to the Township. Nutrient WLAs have not been established for Montgomery Township in either watershed. This MS4 TMDL Strategy is prepared to satisfy the permit condition requiring this document.

The intent of this MS4 TMDL Strategy is to establish the WLA of the Township and to present a plan to reduce waste loads discharged from the regulated small MS4 consistent with the WLAs in the approved TMDLs for each watershed. Upon approval of this Strategy by the Pennsylvania Department of Environmental Protection (PADEP), the Township will provide MS4 TMDL Design Details for implementation of the Strategy. Together, these documents, the MS4 TMDL Strategy and the MS4 TMDL Design Details, comprise the MS4 TMDL Plan satisfying the requirement of the Township's NPDES MS4 Permit. Implementation of the TMDL Plan is an adaptive, iterative and dynamic process. The TMDL Plan will be evaluated and updated by the Township on an as-needed basis based on its effectiveness in reducing pollutant loads in discharges from the regulated small MS4, upon the reasonableness of achieving the WLAs and the cost/benefit of the BMP under consideration.

#### 2.0. Watersheds

Montgomery Township is located within the Neshaminy Creek and Wissahickon Creek watersheds. The current, approved TMDL plans associated with these watersheds are listed below.

- PADEP, 2003. Total Maximum Daily Load (TMDL) Assessment for the Neshaminy Creek Watershed in Southeast Pennsylvania. Pennsylvania Department of Environmental Protection
- US EPA, 2003. Nutrient and Siltation TMDL Development for Wissahickon Creek, Pennsylvania Final Report. U.S. Environmental Protection Agency Region 3

The Neshaminy Creek TMDL plan was developed based on different geographic sections (sub-watersheds) and by source and cause of impairment. Montgomery Township is within the Little Neshaminy Sub-Basin and the West Branch Neshaminy Creek Sub-Basin #2 of the Neshaminy watershed. At the time of this Strategy, the Wissahickon and Neshaminy TMDL plans have siltation (sediment) WLAs attributed to the Township. Nutrient WLAs have not been established for Montgomery Township in either watershed. The following table lists the applicable watersheds and the current pollutants attributed to the Township per the current TMDL plans.

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Montgomery Township MS4 TMDL Strategy

TABLE 2-1: TMDL PLAN SUMMARY

Watershed	Hydrologic Unit Code (HUC)	TMDL Plan Approval Year	TMDL Plan Analysis Year	Pollutant(s)
Neshaminy - Little Neshaminy Sub-Basin	02040203	2003	2000	siltation
Neshaminy - West Branch Neshaminy Creek Sub-Basin #2	02040203	2003	2000	siltation
Wissahickon	02040203	2003	2002	siltation

# 3.0. Existing Pollutant Loads

Pollutants are transported by stormwater runoff and discharged to Waters of the Commonwealth of Pennsylvania through the Township storm sewer system. The TMDL plans for each watershed presents the waste load at the time the report was prepared. The TMDL plans are prepared based upon stream monitoring, historic rainfall data as well as hydrologic, hydraulic and pollutant modeling. The methodology and computational tools used to prepare each TMDL plan may vary but the result of each is the existing pollutant load at the time of the plan, the waste load allocation for the watershed and reduction percentage. In the case of the Neshaminy and Wissahickon TMDL plans, the WLA for sediment is presented as pounds per year (lbs/yr). The Wissahickon TMDL plan presents the WLA attributed to each municipality within the watershed. The Neshaminy TMDL plan presents the WLA for each sub-basin. The tables below documents the WLA and reduction percentage attributed to area of Montgomery Township per the current approved TMDL plans for each watershed. The WLAs within the Neshaminy watershed are prorated based on the area of the Township with the sub-water shed areas.

TABLE 3-1: NESHAMINY CREEK WATERSHED SEDIMENT LOADING

		NESI	HAMINY CRE	EK SEDIMEN	IT LOADING	SUMMARY		412	
Watershed	Total Watershed Area (ac)	Township Watershed Area (ac)	% Watershed of Township (%)	Total Exising Sediment Load in Watershed (lbs/year)	Watershed Sediment WLA (lbs/year)	Total Exising Sediment Load in Township (lbs/year)	Township Sediment WLA (lbs/year)	Sediment Load Reduction (%)	Township Sediment Reduction (lbs/year)
Little Neshaminy	27,262	L. 10.00	14.54%	United a storing PTANCES			Source out total	because suggests	
West	27,262	3,963	14.54%	8,369,480	6,937,351	1,216,648	1,008,463	17.11%	208,185
Branch, Sub- Basin 2	2,521	1,876	74.41%	672,510	295,629	500,448	219,992	56.04%	280,456

TABLE 3-2: WISSAHICKON CREEK WATERSHED SEDIMENT LOADING

WISSAHICKON CREEK SEDIMENT LOADING SUMMARY							
Source	Existing Sediemnt Load (lbs/year)	Sediment WLA (Ibs/year)	Sediment Reduction (%)	Sediment Reduction (lbs/year)			
Streambank Erosion	25,444	13,231	48.00%	12,213			
Overland	135,550	97,898	27.78%	37,653			
TOTAL	160,994	111.128	30.97%	49,866			

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Montgomery Township MS4 TMDL Strategy

TABLE 3-3: TOWNSH	ID POLITITANT	REDUCTION	RECUIREMENT
I A D L D 3-3. I U W N S	IF FULLUIANI	VEDOCIION.	REGUINEMENT

SUMMARY						
Watershed	TMDL Plan Township Sediment Load (lbs/yr)	Township Sediment WLA (lbs/yr)	Townhsip Pollutant Reduction (lbs/yr)	Township Pollutant Reduction (%)		
Little Neshaminy	1,216,648	1,008,463	208,185	17%		
West Branch Neshaminy, Sub-Basin #2	500,448	219,992	280,456	56%		
Wissahickon	160,994	111,128	49,866	31%		
TOTAL	1,878,089	1,339,584	538,506	29%		

# 3.1. MS4 Tributary Area

The existing pollutant loads presented above are attributed the entire Township area. The Township's permit obligation applies only to runoff collected by and discharged from the MS4. The following table summarizes areas that are not tributary to the Township's MS4. The sediment loads generated from these non-tributary areas are parsed from the Township loads to determine that which is attributed to only the MS4. The Township reserves the right to modify parsed areas in the future. Any modification to parsed areas will be documented in future updates of the MS4 TMDL Plan.

TABLE 3-4: SUMMARY OF PARSED AREAS

Area Description	Unit	Little Neshaminy	West Branch #2	Wissahickon	TOTAL
PADOT Roads	acres	95	48	14	157
Not Tributary to MS4	acres	1,424	597	429	2,450
Total	acres	1,519	644	444	2,608

#### 3.1.1. Transitional Areas

The Neshaminy Creek TMDL Plan includes significant pollutant loads due to "transitional" land uses (Tables C.2.4 & C.6.3 of the Neshaminy TMDL Plan). These transitional uses are considered to be new developments or construction sites and contribute a significant portion of the overland sediment load. Comparison of historical and current aerial photography indicates the majority of new developments and construction sites at the time the Neshaminy TMDL Plan was prepared have been stabilized for several years. Also, the size, rate and frequency of development within the Township have decreased sharply in the decade following the preparation of the Neshaminy TMDL Plan. For the purpose of determining the sediment load attributed to the Township, the sediment load from these transitional uses presented in the TMDL Plan will be adjusted to account for the transition of these areas from disturbed to stabilized land cover classifications. It is assumed that 75 percent of transitional land uses have been stabilized and converted to low intensity development. Low intensity development was selected as a conservative assumption due to a higher loading rate per the Neshaminy TMDL Plan (Tables C.2.4 & C.6.3 of the Neshaminy TMDL Plan).

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TABLE 3-5: TRANSITIONAL USE ADJUSTMENT SUMMARY

TRANSITIONAL USE ADJUSTMENT SUMMARY					
Watershed	Sediment Load (lbs/yr)				
Little Neshaminy	87,110				
West Branch Neshaminy, Sub-Basin #2	229,666				
TOTAL	316,776				

# 3.1.2. MS4 Pollutant Loads

The following table summarizes the sediment loads, WLAs and required sediment reductions for the overall Township and that which is attributed to the MS4 after accounting for parsed areas and transitional land uses.

TABLE 3-6: MONTGOMERY TOWNSHIP MS4 POLLUTANT LOAD SUMMARY

Row	Watershed	Unit	Little Neshaminy	West Branch #2	Wissahickon	TOTAL	Source
Α	Watershed Area	acres	27,262	2,521	N/A		TMDL Plan
В	TMDL Plan Watershed Sediment Load	lb/year	8,369,480	672,510	N/A		TMDL Plan
С	TMDL Plan Watershed WLA	lb/year	6,937,351	295,629	N/A		TMDL Plan
D	TMDL Plan Watershed Pollutant Reduction	lb/year	1,432,129	376,881	N/A		TMDL Plan
E	TMDL Plan Watershed Pollutant Reduction	%	17.1%	56.0%	N/A		TMDL Plan
F	Township Area Witihin Watershed	acres	3,963	1,876	944	6,783	Mapping
G	Township Area Witihin Watershed	%	14.5%	74.4%	N/A		F/A
Н	Township Sediment Load	lb/year	1,216,648	500,448	160,994	1,878,089	B*G
1	Township WLA	lb/year	1,008,463	219,992	111,128	1,339,584	C*G
J	Township Pollutant Reduction	lb/year	208,185	280,456	49,866	538,506	D*G
K	Township Pollutant Reduction	%	17.1%	56.0%	31.0%		J/H
Ĺ	Transitional Area Adjustment	lb/year	-87,110	-229,666	0	-316,776	Section 3.1.1
М	Adjusted Township Sediment Load	lb/year	1,129,538	270,782	160,994	1,561,313	H+L
N	Parsed Area - Total	acres	1,519	644	444	2,608	Table 3-4
0	Parsed Area - Total	%	38.3%	34.3%	47.0%		N/F
Р	Parsed Area Sediment Load - Total	lb/year	-433,032	-93,013	-75,688	-601,733	M*0
Q	MS4 Sediment Load	lb/year	696,505	177,769	85,306	959,581	H+L+P
R	MS4 Required Pollutant Reduction	%	17.1%	56.0%	31.0%		К
S	MS4 Required Pollutant Reduction	lb/year	119,181	99,623	26,422	245,227	Q*R

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Montgomery Township MS4 TMDL Strategy

# 4.0. Pollutant Reduction Strategy

As presented in Table 3-6 above, Montgomery Township has a significant requirement to reduce sediment discharging from the MS4. The Township plans to achieve the sediment reduction using three basic approaches listed below and described in subsequent sections.

- Quantify existing best management practices (BMPs)
- · Amend the Township Stormwater Management Ordinance to require pollutant reductions
- Implement new BMPs

The Township intends to implement this Strategy over 25 years. The Township intends that at or before the conclusion of 25 years the sediment reduction presented in Table 3-6 will be achieved and the assumptions made in the approved watershed TMDL Plans regarding attaining water quality will be satisfied.

The Township anticipates that setting realistic goals that can be quantified by "measurable" success, the reduction percentages outlined in each approved watershed TMDL Plan can be met and water quality in all waterways within the municipality will be positively impacted by implementation of this MS4 TMDL Strategy. Implementation of the MS4 TMDL Plan is an adaptive, iterative and dynamic process. The MS4 TMDL Plan will be evaluated and updated by the Township on an as-needed basis based on its effectiveness in reducing pollutant loads in discharges from the regulated small MS4, upon the reasonableness of achieving the WLAs and the cost/benefit of the BMP under consideration. Therefore, it is intended that this Strategy, in its entirety, including the implementation term, may be modified by the Township periodically to reflect actual results, achievable goals and obstacles encountered during the process of implementation of this Strategy.

#### 4.1. Pollutant Load Concentration Calculation Method

In subsequent sections of this Strategy, pollutant load concentrations are required to quantify the amount of sediment generated from area tributary to proposed BMPs. The Water Quality Analysis of Pollutant Loading method (Worksheet 12, Pennsylvania Stormwater BMP Manual. 2006, PADEP) is utilized to approximate sediment generated on an annual basis. The method requires three input parameters:

- Pollutant event mean concentration (EMC) in mg/L (Table 8.3 of the PA BMP Manual)
- Tributary area in acres (measured from a map)
- · Annual runoff depth in feet

For the purposes of the Strategy, runoff depth is calculated using 4 years (2012 – 2014) of daily rain gauge data from the Ambler Borough Waste Water Treatment Plant and the Runoff Curve Number method accounting for the initial abstraction and land cover classification.

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TABLE 4-1: AVERAGE ANNUAL RUNOFF BASED ON LAND COVER CLASSIFICATION

LAND COVER CLASSIFICATION	CN	AVERAGE ANNUAL RUNOFF (in/year)
Forest	62	4.63
Meadow	60	4.10
Fertilized Planting Area	65	5.53
Native Planting Area	58	3.62
Lawn, Low Input	68	6.59
Lawn, High Input	65	5.53
Golf Course Fairway/Green	68	6.59
Grassed Athlethc Field	70	7.39
Rooftop	98	43.51
High Traffic Street/Highway	97	39.80
Medium Traffic Street	90	23.96
Low Traffic/Residential Street	89	22.47
Res. Driveway, Play Courts, etc.	98	43.51
High Traffic Parkng Lot	98	43.51
Low Traffic Parking Lot	98	43.51

# 4.2. Existing BMPs

Both the Wissahickon and the Neshaminy Creeks TMDL Plans were based on analyses completed in the years 2002 and 2000, respectively. Beginning in 2009, the Township has implemented a basin naturalization program. The Township owns 63 basins. These basins were originally constructed as peak rate control basins. The Township program includes naturalizing these basins to provide a water quality benefit. All areas tributary to these basins are low intensity residential developments. The following parameters are used to determine the sediment load from these areas and the reduction provided by the improved basins.

- Tributary area determined by inspection of the storm sewer map.
- Area cover conditions 25% impervious area and 75% lawn area was assumed.
- Runoff depth values for impervious and lawn areas from Table 4-1.
- EMC TSS 35 mg/L was used for impervious areas to account for rooftops and roads, 108 mg/L was used for lawns, low input.

A detailed tabulation of the calculations can be found in Appendix D-2. A summary follows,

TABLE 4-2: EXISTING NATURALIZED BASINS

EXISTING NATURALIZED BASIN SUMMARY						
Watershed	Sediment Load (lbs/yr)	Sediment Reduction (lbs/yr)				
Little Neshaminy	242,890	60,723				
West Branch Neshaminy, Sub-Basin #2	95,701	23,925				
Wissahickon	6,431	1,608				
TOTAL	345,023	86,256				

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Montgomery Township MS4 TMDL Strategy

# 4.3. Ordinance Requirements

The current Township Ordinances require peak rate and volume reductions as well as water quality requirements. These requirements are typically met by the implementation of BMPs. However, the pollutant reduction associated with these BMPs is generally not quantified. The Township intends to include pollutant reduction requirements consistent with the WLAs in the approved TMDLs for each watershed. The purpose of this ordinance requirement is to ensure developments and other projects achieve the pollutant reductions required by the TMDL Plans and that those benefits are quantified under the TMDL Plan requirements. It is not possible to quantify the pollutant reductions achievable from these new ordinance requirements for inclusion in this Strategy. Any BMPs installed throughout the Township will be included in future reporting regarding implementation the MS4 TMDL Plan.

#### 4.4. Potential New BMPs

The Township anticipates that sediment reduction from existing BMPs and from future projects subject to new ordinance requirements will not achieve the substantial pollutant reduction required by the TMDL Plans. The Township includes with this Strategy several potential BMPs that may be implementable in striving to meet the WLA requirements. These potential BMPs may be on private property and therefore, no guarantee is provided that these BMPs can or will be implemented. Implementation of any BMP expected to contribute to achieving the goal of this Strategy will require, planning, design, permitting approval, property owner consent, etc. Therefore, the potential BMPs presented in this MS4 TMDL Plan are to be considered conceptual in scope and in no way imply any obligation of the Township to implement these specific BMPs in the locations identified. As stated previously, implementation of the TMDL Plan is an adaptive, iterative and dynamic process. The TMDL Plan will be evaluated and updated by the Township on an as-needed basis based on its effectiveness in reducing pollutant loads in discharges from the regulated small MS4, upon the reasonableness of achieving the WLAs and the cost/benefit of the BMP under consideration.

The WLAs and pollutant reduction requirements vary by watershed. The potential BMPs are grouped geographically by watershed. Additional information regarding these potential BMPs is provided in Appendices E-1 and E-2.

#### 4.4.1. Little Neshaminy Sub-Watershed

The Little Neshaminy Sub-Watershed requires a 17 percent reduction in sediment.

TABLE 4-3: LITTLE NESHAMINY - ESTIMATED SEDIMENT REDUCTION FROM POTENTIAL BMPS

ВМР	Appendix	Sediment Load	Sediment	
		(lbs/yr)	Reduction (lbs/yr)	
Naturalize Existing Township Basins	E-1	41,341	10,335	
Riparian Buffer Restoration	E-2	4,833	4,108	
Streetsweeping	С	102,812	87,390	
TOTAL		148,986	101,833	

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# 4.4.2. West Branch Neshaminy, Sub-Basin #2

The West Branch Neshaminy, Sub-Basin #2 watershed requires a 56 percent reduction in sediment.

TABLE 4-4: WEST BRANCH NESHAMINY - ESTIMATED SEDIMENT REDUCTION FROM POTENTIAL BMPS

WEST BRANCH NESHAMINY, SUB-BASIN				
BMP	Appendix	Sediment Load (lbs/yr)	Sediment Reduction (lbs/yr)	
Naturalize Existing Township Basins	E-1	42,012	10,503	
Naturalize Existing Private Basins	E-2	6,060	1,515	
Neshaminy Creek Trib.: Riparian Buffer Restoration	E-2	568	483	
Neshaminy Creek Trib.: Riparian Buffer Restoration	E-2	936	796	
Runoff Capture and Reuse	E-2	5,821	5,821	
Stream Bank Restoration	E-2	25,100	21,335	
Fellowship Park Rain Garden	E-2	550	467	
Streetsweeping	С	42,838	36,412	
TOTAL		123,885	77,332	

#### 4.4.3. Wissahickon Creek

The Wissahickon watershed requires a 31 percent reduction in sediment.

TABLE 4-5: WISSAHICKON - ESTIMATED SEDIMENT REDUCTION FROM POTENTIAL BMPS

ВМР	TENTIAL BMP SUMM	Sediment Load	Sediment	
DIVIF	Appendix	Sediment Load	Reduction (lbs/yr)	
		(lbs/yr)		
Trewellyn Creek: Riparian Buffer Restoration	E-2	2,265	1,517	
Wissahickon Creek: Floodplain Restoration	E-2	5,105	4,339	
Basin Naturalization	E-2	4,984	4,236	
Streetsweeping	С	25,703	21,848	
TOTAL		38,057	31,940	

# 4.5. Pollutant Reduction Strategy Summary

The following table summarizes the sediment load, WLA and required sediment reduction for the overall Township and that which is attributed to the MS4 after accounting for parsed and transitional areas. It also includes a summary of the existing and potential BMPs contemplated to achieve the required sediment load reduction.

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**Montgomery Township** 

TABLE 4-6: MS4 TMDL STRATEGY SUMMARY

Row	Watershed	Unit	Little	West Branch	Wissahickon	TOTAL	Source
Α	Watershed Area	acres	27,262	2,521	N/A		TMDL Plan
В	TMDL Plan Watershed Sediment Load	lb/year	8,369,480	672,510	N/A		TMDL Plan
С	TMDL Plan Watershed WLA	lb/year	6,937,351	295,629	N/A		TMDL Plan
D	TMDL Plan Watershed Pollutant Reduction	lb/year	1,432,129	376,881	N/A		TMDL Plan
Ε	TMDL Plan Watershed Pollutant Reduction	%	17.1%	56.0%	N/A		TMDL Plan
F	Township Area Witihin Watershed	acres	3,963	1,876	944	6,783	Mapping
G	Township Area Witihin Watershed	%	14.5%	74.4%	N/A		F/A
Н	Township Sediment Load	lb/year	1,216,648	500,448	160,994	1,878,089	B*G
1	Township WLA	lb/year	1,008,463	219,992	111,128	1,339,584	C*G
J	Township Pollutant Reduction	lb/year	208,185	280,456	49,866	538,506	D*G
К	Township Pollutant Reduction	%	17.1%	56.0%	31.0%		1/H
L	Transitional Area Adjustment	lb/year	-87,110	-229,666	0	-316,776	Table 3-5
М	Adjusted Township Sediment Load	lb/year	1,129,538	270,782	160,994	1,561,313	H+L
N	Parsed Area - Total	acres	1,519	644	444	2,608	Table 3-4
0	Parsed Area - Total	%	38.3%	34.3%	47.0%		N/F
Р	Parsed Area Sediment Load - Total	lb/year	-433,032	-93,013	-75,688	-601,733	M*0
Q	MS4 Sediment Load	lb/year	696,505	177,769	85,306	959,581	H+L+P
R	MS4 Required Pollutant Reduction	%	17.1%	56.0%	31.0%		К
S	MS4 Required Pollutant Reduction	lb/year	119,181	99,623	26,422	245,227	Q*R
T	Existing BMPs	lb/year	60,723	23,925	1,608	86,256	Table 4-2
U	Future Potential BMPs	lb/year	101,833	77,332	31,940	211,105	Section 4.4
٧	Pollutant Reduction Potential	lb/year	162,556	101,258	33,547	297,361	T+V
w	Net Potential - Required	lb/year	43,375	1,634	7,125	52,134	V-S

The table above indicates that implementation of this Strategy will potentially exceed the required pollutant reduction in each watershed and 52,134 Lbs/year overall.

# 5.0. Public Participation

As part of the preparation of this MS4 TMDL Strategy, PADEP requires solicitation of public involvement and participation. The following are required:

• A copy of the MS4 TMDL Strategy must be available for public review.

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Montgomery Township MS4 TMDL Strategy

Publish, in a newspaper of general circulation in the area, a public notice containing a statement
describing the Strategy, where it may be reviewed by the public, and the length of time provided for the
receipt of comments.

- Accept written comments for a minimum of 30 days from the date of public notice.
- Accept any verbal or written comments from any interested member of the public at a public meeting or hearing.
- Consider and make a record of the consideration of each timely comment received from the public during the public comment period concerning the Strategy, identifying any changes made to the Strategy in response to the comment.

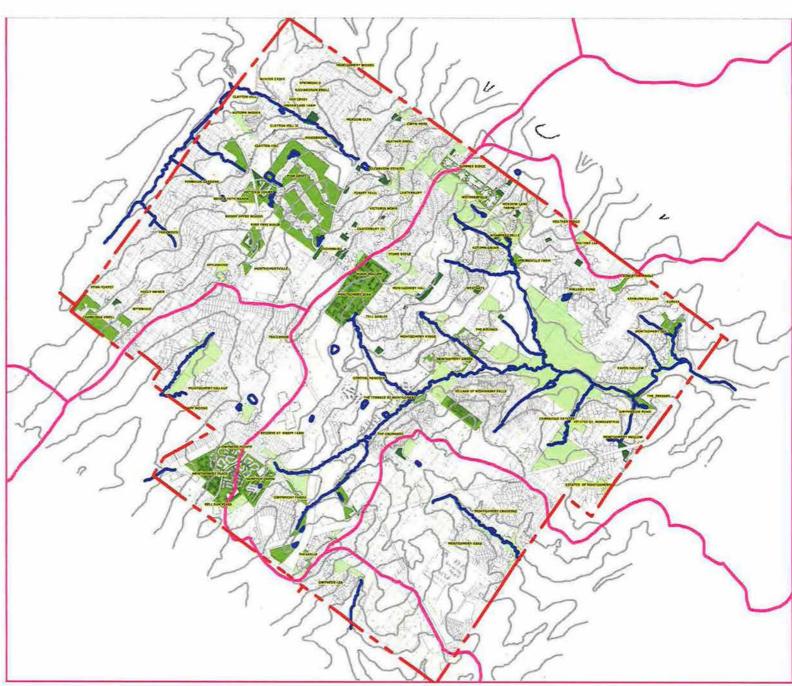
Submission of the MS4 TMDL Strategy to PADEP must include a copy of the newspaper notice, a copy of all written comments received from the public and a copy of the record of consideration of all timely comments received in the public comment period. Documentation of public participation will be included as Appendix F.

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# APPENDIX A TOWNSHIP WATERSHED MAP

# Montgomery Township Watershed Map





# APPENDIX B TRANSITIONAL LAND USE ADJUSTMENT

CLIENT:
MONTGOMERY TOWNSHIP
PROJECT NAME:
NPDES MS4 PERMIT RENEWAL
PROJECT NUMBER:
11-12055



LAND USE CATEGORY	LITT	LE NESHAMINY	WE	ST BRANCH #2	TOTAL	
	AREA (ac)	SEDIMENT LOAD (lbs/year)	AREA (ac)	SEDIMENT LOAD (lbs/year)	AREA (ac)	SEDIMENT LOAD (lbs/year)
Hay Pasture	2,570	43,465	89	3,091	2,659	46,556
Cropland	6,926	1,053,201	114	24,840	7,040	1,078,041
Coniferous Forest	296	243	54	154	350	397
Mixed Forest	1,908	2,252	163	487	2,071	2,739
Deciduous Forest	6,655	10,110	516	2,053	7,171	12,163
Unpaved Roads	7	3,289	0	0	7	3,289
Transitional	1,187	826,324	187	425,717	1,374	1,252,041
Low Intensity Dev	5,909	136,071	1,091	82,914	7,000	218,985
High Intensity Dev	1,804	30,949	306	15,475	2,110	46,424
Stream Bank	0	6,263,576	0	117,779	0	6,381,355
Groundwater	0	0	0	0	0	0
Point Source	0	0	0	0	0	0
Septic Systems	0	0	0	0	0	0
TOTAL	27,262	8,369,480	2,520	672,510	29,782	9,041,990

LAND USE CATEGORY	LITTLE NE	SHAMINY (14.54%)	WEST BE	RANCH #2 (74.41%)	TOTAL	
	AREA (ac)	SEDIMENT LOAD (lbs/year)	AREA (ac)	SEDIMENT LOAD (lbs/year)	AREA (ac)	SEDIMENT LOAD (lbs/year)
Hay Pasture	374	6,318	66	2,300	440	8,619
Cropland	1,007	153,101	85	18,485	1,092	171,586
Coniferous Forest	43	35	40	115	83	150
Mixed Forest	277	327	121	362	399	690
Deciduous Forest	967	1,470	384	1,528	1,351	2,997
Unpaved Roads	1	478	0	0	1	478
Transitional	173	120,120	139	316,797	312	436,917
Low Intensity Dev	859	19,780	812	61,700	1,671	81,481
High Intensity Dev	262	4,499	228	11,516	490	16,015
Stream Bank	0	910,518	0	87,645	0	998,164
Groundwater	0	0	0	0	0	0
Point Source	0	0	0	0	0	0
Septic Systems	0	0	0	0	0	0
TOTAL	3,963	1,216,648	1,875	500,448	5,838	1,717,095

LAND USE CATEGORY	LITTI	LE NESHAMINY	WE	ST BRANCH #2	TOTAL	
and the State of t	AREA (ac)	SEDIMENT LOAD (lbs/year)	AREA (ac)	SEDIMENT LOAD (lbs/year)	AREA (ac)	SEDIMENT LOAD (lbs/year)
Hay Pasture	374	6,318	66	2,300	440	8,619
Cropland	1,007	153,101	85	18,485	1,092	171,586
Coniferous Forest	43	35	40	115	83	150
Mixed Forest	277	327	121	362	399	690
Deciduous Forest	967	1,470	384	1,528	1,351	2,997
Unpaved Roads	1	478	0	0	1	478
Transitional (25%)	43	30,030	35	79,199	78	109,229
Low Intensity Dev	988	22,760	916	69,632	1,905	92,392
High Intensity Dev	262	4,499	228	11,516	490	16,015
Stream Bank	0	910,518	0	87,645	0	998,164
Groundwater	0	Ö	0	0	0	0
Point Source	0	0	0	0	0	0
Septic Systems	0	0	0	0	0	0
TOTAL	3,963	1,129,537	1,875	270,782	5,838	1,400,319

	LITTLE NESHAMINY	WEST BRANCH #2	TOTAL		
NET Sediment Load	87,110	229,666	316,776		
Adjustment					

loading analysis -07.xlsx PAGE 1 OF 1

# APPENDIX C TOWNSHIP ROADWAY SEDIMENT LOADING CALCULATION

CLIENT:

MONTGOMERY TOWNSHIP

PROJECT NAME:

NPDES MS4 PERMIT RENEWAL

PROJECT NUMBER:

11-12055



Street Name	Classification	Sidewalks	Curb	Length (mi)	Length (ft)	ROW	Paved	Impervious Area (ft²)	TSS EMC (mg/L)	Q (ft/year)	Grass Area (lbs/year)	TSS EMC (mg/L)	Q (ft/year)	Sediment Load (lbs/year)
Aaron Way	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Abbey Lane	Low Traffic	Yes	Yes	0.77	4066	50	29	154,968	86	1.88	48,312	180	0.55	1845
Acorn Place	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Addison Lane	Low Traffic	Yes	Yes	0.54	2851	50	28	105,494	86	1.88	37,066	180	0.55	1282
Aileen Dr.	Low Traffic	Yes	Yes	0.34	1795	50	28	66,422	86	1.88	23,338	180	0.55	807
Amber Place	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
Andrew Lane	Low Traffic	Yes	Yes	0.81	4277	50	28	158,242	86	1.88	55,598	180	0.55	1923
Annabel Road	Low Traffic	Yes	Yes	0.38	2006	50	28	74,237	86	1.88	26,083	180	0.55	902
Applewood Lane	Low Traffic	Yes	Yes	0.33	1742	50	30	67,954	86	1.88	19,166	180	0.55	797
Arbor Lane	Low Traffic	Yes	Yes	0.07	370	50	32	15,154	86	1.88	3,326	180	0.55	172
Arbour Green Circle	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Armada Circle	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121
Arrowhead Circle	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Ashley Circle	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Aspen Place	Low Traffic	Yes	Yes	0.10	528	50	26	18,480	86	1.88	7,920	180	0.55	233
August Lane	Low Traffic	Yes	Yes	0.23	1214	50	26	42,504	86	1.88	18,216	180	0.55	537
Avondale Drive	Low Traffic	Yes	Yes	0.54	2851	50	26	99,792	86	1.88	42,768	180	0.55	1260
Azalea Place	Low Traffic	Yes	Yes	0.08	422	50	26	14,784	86	1.88	6,336	180	0.55	187
Bailey Drive	Low Traffic	Yes	Yes	0.19	1003	50	26	35,112	86	1.88	15,048	180	0.55	443
Baker Place	Low Traffic	Yes	Yes	0.10	528	50	26	18,480	86	1.88	7,920	180	0.55	233
Banbury Avenue	Low Traffic	Yes	Yes	0.35	1848	50	30	72,072	86	1.88	20,328	180	0.55	845
Bartlett Drive	Low Traffic	Yes	Yes	0.09	475	50	32	19,483	86	1.88	4,277	180	0.55	221
Beaumont Terrace	Low Traffic	Yes	Yes	0.10	528	50	26	18,480	86	1.88	7,920	180	0.55	233
Bedford Lane	Low Traffic	Yes	Yes	0.36	1901	50	30	74,131	86	1.88	20,909	180	0.55	869
Beechwood Drive	Low Traffic	Yes	Yes	0.45	2376	40	16	59,400	86	1.88	35,640	180	0.55	812
Bell Run Boulevard	Low Traffic	Yes	Yes	0.53	2798	50	34	120,331	86	1.88	19,589	180	0.55	1323
Bellows Way	Low Traffic	Yes	Yes	0.56	2957	50	30	115,315	86	1.88	32,525	180	0.55	1352
Blue Jay Way	Low Traffic	Yes	Yes	0.17	898	50	24	29,621	86	1.88	15,259	180	0.55	390
Bonnie Lane	Low Traffic	Yes	Yes	0.39	2059	50	26	72,072	86	1.88	30,888	180	0.55	910
Bradford Court	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Bridlepath Ln	Low Traffic	Yes	Yes	0.14	739	50	26	25,872	86	1.88	11,088	180	0.55	327
Bridlepath Road	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Brighton Circle	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Brighton Place	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Brittany Place	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
Broad Acres Road	Low Traffic	Yes	Yes	0.46	2429	50	27	86,909	86	1.88	34,531	180	0.55	1081
Brook Circle	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
Brookshyre Way	Low Traffic	Yes	Yes	0.17	898	50	32	36,802	86	1.88	8,078	180	0.55	417
Brookwood Road	Low Traffic	Yes	Yes	0.11	581	50	26	20,328	86	1.88	8,712	180	0.55	257
Browning Circle	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121

MONTGOMERY TOWNSHIP

PROJECT NAME:

NPDES MS4 PERMIT RENEWAL

PROJECT NUMBER:

11-12055



Street Name	Classification	Sidewalks	Curb	Length	Length	ROW	Paved	Impervious	TSS	Q	Grass	TSS	Q	Sediment
								Area	EMC		Area	EMC		Load
				(mi)	(ft)			(ft²)	(mg/L)	(ft/year)	(lbs/year)	(mg/L)	(ft/year)	(lbs/year)
Bryan Way	Low Traffic	Yes	Yes	0.20	1056	50	30	41,184	86	1.88	11,616	180	0.55	483
Buckingham Lane	Low Traffic	Yes	Yes	0.30	1584	50	28	58,608	86	1.88	20,592	180	0.55	712
Cambridge Court	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Camp Drive	Low Traffic	Yes	Yes	0.07	370	50	36	16,632	86	1.88	1,848	180	0.55	178
Canterbury Lane	Low Traffic	Yes	Yes	0.62	3274	50	30	127,670	86	1.88	36,010	180	0.55	1497
Carnaby Circle	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Carson Drive	Low Traffic	Yes	Yes	0.22	1162	50	26	40,656	86	1.88	17,424	180	0.55	513
Cathedral Dr.	Low Traffic	Yes	Yes	0.53	2798	50	30	109,138	86	1.88	30,782	180	0.55	1280
Cedar Lane	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Chamberlain Circle	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121
Channel House Rd.	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
Chaps Way	Low Traffic	Yes	Yes	0.10	528	50	30	20,592	86	1.88	5,808	180	0.55	241
Chatham Place	Low Traffic	Yes	Yes	0.55	2904	50	30	113,256	86	1.88	31,944	180	0.55	1328
Chester Circle	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
Cheswick Drive	Low Traffic	Yes	Yes	0.49	2587	50	26	90,552	86	1.88	38,808	180	0.55	1143
Churchill Circle	Low Traffic	Yes	Yes	0.08	422	50	28	15,629	86	1.88	5,491	180	0.55	190
Citadel Court	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
Claremont Drive	Low Traffic	Yes	Yes	1.49	7867	53	32	320,760	86	1.88	95,832	180	0.55	3794
Clayton Court	Low Traffic	Yes	Yes	0.13	686	50	26	24,024	86	1.88	10,296	180	0.55	303
Cloverleaf Lane	Low Traffic	Yes	Yes	0.34	1795	50	26	62,832	86	1.88	26,928	180	0.55	793
Colt Circle	Low Traffic	Yes	Yes	0.10	528	50	30	20,592	86	1.88	5,808	180	0.55	241
Colwyn Terrace	Low Traffic	Yes	Yes	0.20	1056	50	26	36,960	86	1.88	15,840	180	0.55	467
Commerce Drive	Low Traffic	Yes	Yes	0.54	2851	50	26	99,792	86	1.88	42,768	180	0.55	1260
Compton Court	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Conrad Lane	Low Traffic	Yes	Yes	0.17	898	50	26	31,416	86	1.88	13,464	180	0.55	397
Copperleaf Circle	Low Traffic	Yes	Yes	0.07	370	50	28	13,675	86	1.88	4,805	180	0.55	166
Corporate Drive	Low Traffic	Yes	Yes	0.39	2059	50	30	80,309	86	1.88	22,651	180	0.55	942
Country Club Drive	Low Traffic	Yes	Yes	1.08	5702	50	26	199,584	86	1.88	85,536	180	0.55	2520
Country Lane	Low Traffic	Yes	Yes	0.16	845	33	26	29,568	86	1.88	-1,690	180	0.55	285
Cove Circle	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Coventry Circle	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Crestwood Circle	Low Traffic	Yes	Yes	0.04	211	50	30	8,237	86	1.88	2,323	180	0.55	97
Crestwood Drive	Low Traffic	Yes	Yes	0.29	1531	50	26	53,592	86	1.88	22,968	180	0.55	677
Cricklewood Circle	Low Traffic	Yes	Yes	0.32	1690	66	40	82,790	86	1.88	28,723	180	0.55	1004
Damson Lane	Low Traffic	Yes	Yes	0.07	370	50	32	15,154	86	1.88	3,326	180	0.55	172
David Lane	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Davis Dr.	Low Traffic	Yes	Yes	0.66	3485	50	28	128,938	86	1.88	45,302	180	0.55	1567
Dayton Drive South	Low Traffic	Yes	Yes	0.18	950	50	26	33,264	86	1.88	14,256	180	0.55	420
Deerpath Lane	Low Traffic	Yes	Yes	0.08	422	50	30	16,474	86	1.88	4,646	180	0.55	193
Devonshire Drive	Low Traffic	Yes	Yes	0.17	898	50	26	31,416	86	1.88	13,464	180	0.55	397

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MONTGOMERY TOWNSHIP

PROJECT NAME:

NPDES MS4 PERMIT RENEWAL

PROJECT NUMBER:

11-12055



Street Name	Classification	Sidewalks	Curb	Length	Length	ROW	Paved	Impervious Area (ft²)	TSS EMC	Q	Grass Area	TSS EMC	Q	Sediment Load
				(mi)	(ft)			- white the	(mg/L)	(ft/year)	(lbs/year)	(mg/L)	(ft/year)	(lbs/year)
Dickens Court	Low Traffic	Yes	Yes	0.08	422	-50	30	16,474	86	1.88	4,646	180	0.55	193
Domorah Drive	Low Traffic	Yes	Yes	0.31	1637	50	30	63,835	86	1.88	18,005	180	0.55	749
Dorter Ln	Low Traffic	Yes	Yes	0.13	686	50	28	25,397	86	1.88	8,923	180	0.55	309
Douglas Road	Low Traffic	Yes	Yes	0.51	2693	50	28	99,634	86	1.88	35,006	180	0.55	1211
Drake Lane	Low Traffic	Yes	Yes	0.61	3221	50	30	125,611	86	1.88	35,429	180	0.55	1473
Drayton Circle	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Duchess Place	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121
Durham Way	Low Traffic	Yes	Yes	0.18	950	50	30	37,066	86	1.88	10,454	180	0.55	435
Eagle Lane	Low Traffic	Yes	Yes	0.16	845	50	26	29,568	86	1.88	12,672	180	0.55	373
Eaton Drive	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Edgar Allen Circle	Low Traffic	Yes	Yes	0.08	422	50	28	15,629	86	1.88	5,491	180	0.55	190
Elberta Drive	Low Traffic	Yes	Yes	0.08	422	50	32	17,318	86	1.88	3,802	180	0.55	196
Embassy Drive	Low Traffic	Yes	Yes	0.21	1109	50	30	43,243	86	1.88	12,197	180	0.55	507
Enterprise Drive	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Fairacres Drive	Low Traffic	Yes	Yes	0.15	792	80	64	57,816	86	1.88	5,544	180	0.55	612
Fairview Drive	Low Traffic	Yes	Yes	0.21	1109	50	30	43,243	86	1.88	12,197	180	0.55	507
Falling Leaf Way	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Field Terrace	Low Traffic	Yes	Yes	0.10	528	50	26	18,480	86	1.88	7,920	180	0.55	233
Forest Trail Drive	Low Traffic	Yes	Yes	0.66	3485	58	26	121,968	86	1.88	79,728	180	0.55	1708
Freedom Way	Low Traffic	Yes	Yes	0.23	1214	50	34	52,219	86	1.88	8,501	180	0.55	574
Gift Circle	Low Traffic	Yes	Yes	0.10	528	50	24	17,424	86	1.88	8,976	180	0.55	229
Glasgow Circle	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Glen Road	Low Traffic	Yes	Yes	0.28	1478	50	26	51,744	86	1.88	22,176	180	0.55	653
Goodwin Lane	Low Traffic	Yes	Yes	0.33	1742	50	28	64,469	86	1.88	22,651	180	0.55	783
Gordon Lane	Low Traffic	Yes	Yes	0.22	1162	50	24	38,333	86	1.88	19,747	180	0.55	504
Grays Lane	Low Traffic	Yes	Yes	0.77	4066	50	30	158,558	86	1.88	44,722	180	0.55	1859
Green Spring Circle	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Green Tree Tavern	Low Traffic	Yes	Yes	0.82	4330	50	28	160,195	86	1.88	56,285	180	0.55	1947
Greenbriar Road	Low Traffic	Yes	Yes	0.16	845	50	26	29,568	86	1.88	12,672	180	0.55	373
Grouse Court	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Guilford Court	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Guiness Lane	Low Traffic	Yes	Yes	0.16	845	50	30	32,947	86	1.88	9,293	180	0.55	386
Gwynedd Lea Drive	Low Traffic	Yes	Yes	0.42	2218	50	26	77,616	86	1.88	33,264	180	0.55	980
Gwynmont Circle	Low Traffic	Yes	Yes	0.26	1373	50	30	53,539	86	1.88	15,101	180	0.55	628
Gwynmont Drive	Low Traffic	Yes	Yes	0.39	2059	50	32	84,427	86	1.88	18,533	180	0.55	958
Halloway Circle	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
Hampton Circle	Low Traffic	Yes	Yes	0.09	475	50	26	16,632	86	1.88	7,128	180	0.55	210
Hanover Avenue	Low Traffic	Yes	Yes	0.27	1426	50	30	55,598	86	1.88	15,682	180	0.55	652
Harbob Lane	Low Traffic	Yes	Yes	0.11	581	50	26	20,328	86	1.88	8,712	180	0.55	257
Hawthorne Circle	Low Traffic	Yes	Yes	0.46	2429	50	26	85,008	86	1.88	36,432	180	0.55	1073

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MONTGOMERY TOWNSHIP

PROJECT NAME:

NPDES MS4 PERMIT RENEWAL

PROJECT NUMBER:

11-12055



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Street Name	Classification	Sidewalks	Curb	Length	Length	ROW	Paved	Impervious Area	TSS	Q	Grass Area	TSS EMC	Q	Sediment Load
				(mi)	(ft)			(ft²)	(mg/L)	(ft/year)	(lbs/year)	(mg/L)	(ft/year)	(lbs/year)
Hawthorne Drive	Low Traffic	Yes	Yes	0.54	2851	50	26	99,792	86	1.88	42,768	180	0.55	1260
Heartwood Drive	Low Traffic	Yes	Yes	0.53	2798	50	26	97,944	86	1.88	41,976	180	0.55	1237
Hedgegrow Place	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Hemlock Drive	Low Traffic	Yes	Yes	0.48	2534	50	26	88,704	86	1.88	38,016	180	0.55	1120
Henning Drive	Low Traffic	Yes	Yes	0.11	581	50	32	23,813	86	1.88	5,227	180	0.55	270
Heritage Drive	Low Traffic	Yes	Yes	0.03	158	50	26	5,544	86	1.88	2,376	180	0.55	70
Heron Court	Low Traffic	Yes	Yes	0.09	475	50	28	17,582	86	1.88	6,178	180	0.55	214
Holl Court	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
Holly Drive	Low Traffic	Yes	Yes	0.52	2746	50	26	96,096	86	1.88	41,184	180	0.55	1213
Horseshoe Lane	Low Traffic	Yes	Yes	0.31	1637	50	30	63,835	86	1.88	18,005	180	0.55	749
Independence Dr.	Low Traffic	Yes	Yes	0.61	3221	50	26	112,728	86	1.88	48,312	180	0.55	1423
Jason Place	Low Traffic	Yes	Yes	0.10	528	50	26	18,480	86	1.88	7,920	180	0.55	233
Jonathan Drive	Low Traffic	Yes	Yes	0.33	1742	50	32	71,438	86	1.88	15,682	180	0.55	810
Kelsey Drive	Low Traffic	Yes	Yes	0.32	1690	50	26	59,136	86	1.88	25,344	180	0.55	747
Kent Drive	Low Traffic	Yes	Yes	0.31	1637	50	26	57,288	86	1.88	24,552	180	0.55	723
Keystone Drive	Low Traffic	Yes	Yes	0.55	2904	50	30	113,256	86	1.88	31,944	180	0.55	1328
Kingston Way	Low Traffic	Yes	Yes	0.34	1795	50	26	62,832	86	1.88	26,928	180	0.55	793
Knapp Road	Medium Traffic	Yes	Yes	1.23	6494	33	24	214,315	113	1.88	0	180	0.55	2815
Knollwood Drive	Low Traffic	Yes	Yes	0.27	1426	50	26	49,896	86	1.88	21,384	180	0.55	630
Lantern Lane	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Lawn Avenue	Low Traffic	Yes	Yes	0.47	2482	50	26	86,856	86	1.88	37,224	180	0.55	1097
Lea Drive	Low Traffic	Yes	Yes	0.17	898	50	33	37,699	86	1.88	7,181	180	0.55	421
Lenape Drive	Low Traffic	Yes	Yes	0.15	792	50	26	27,720	86	1.88	11,880	180	0.55	350
Lindsey Place	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121
Line Street	Low Traffic	Yes	Yes	0.84	4435	40	24	146,362	86	1.88	31,046	180	0.55	1653
Longleat Drive	Low Traffic	Yes	Yes	0.34	1795	50	30	70,013	86	1.88	19.747	180	0.55	821
Lower State Road	Medium Traffic	Yes	Yes	0.61	3221	33	18	86,962	113	1.88	19,325	180	0.55	1261
Macintosh Lane	Low Traffic	Yes	Yes	0.07	370	50	32	15,154	86	1.88	3,326	180	0.55	172
Madison Court	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Magdalena Lane	Low Traffic	Yes	Yes	0.27	1426	50	26	49,896	86	1.88	21,384	180	0.55	630
Magella Court	Low Traffic	Yes	Yes	0.08	422	50	28	15,629	86	1.88	5,491	180	0.55	190
Magnolia Place	Low Traffic	Yes	Yes	0.08	422	50	26	14,784	86	1.88	6,336	180	0.55	187
Major Drive	Low Traffic	Yes	Yes	0.17	898	50	28	33,211	86	1.88	11,669	180	0.55	404
Mallard Drive	Low Traffic	Yes	Yes	1.46	7709	50	28	285,226	86	1.88	100,214	180	0.55	3466
Manor Drive	Low Traffic	Yes	Yes	0.19	1003	50	28	37,118	86	1.88	13,042	180	0.55	451
Matthew Drive	Low Traffic	Yes	Yes	0.28	1478	50	26	51,744	86	1.88	22,176	180	0.55	653
McLaughlin Road	Low Traffic	Yes	Yes	0.15	792	33	10	15,048	86	1.88	11,088	180	0.55	218
Meadow Glen Rd.	Low Traffic	Yes	Yes	0.34	1795	50	26	62,832	86	1.88	26,928	180	0.55	793
Meadowood Dr.	Low Traffic	Yes	Yes	0.40	2112	50	26	73,920	86	1.88	31,680	180	0.55	933
Mele Avenue	Low Traffic	Yes	Yes	0.20	1056	50	26	36,960	86	1.88	15,840	180	0.55	467

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MONTGOMERY TOWNSHIP

PROJECT NAME:

NPDES MS4 PERMIT RENEWAL

PROJECT NUMBER:

11-12055



Street Name	Classification	Sidewalks	Curb	Length	Length	ROW	Paved	Impervious	TSS	Q	Grass	TSS	Q	Sediment
								Area	EMC	884 G	Area	EMC	53405 g	Load
				(mi)	(ft)			(ft²)	(mg/L)	(ft/year)	(lbs/year)	(mg/L)	(ft/year)	(lbs/year)
Merton Circle	Low Traffic	Yes	Yes	0.08	422	50	30	16,474	86	1.88	4,646	180	0.55	193
MontClair Drive	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Montg. Glen Drive	Low Traffic	Yes	Yes	0.66	3485	50	32	142,877	86	1.88	31,363	180	0.55	1620
Morgan St.	Low Traffic	Yes	Yes	0.04	211	50	50	12,461	86	1.88	-1,901	180	0.55	113
Morningside Drive	Low Traffic	Yes	Yes	0.40	2112	50	22	65,472	86	1.88	40,128	180	0.55	901
Narcissus Place	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Nevermore Circle	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Newport Lane	Low Traffic	Yes	Yes	0.44	2323	50	30	90,605	86	1.88	25,555	180	0.55	1062
Noble Court	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
North Wales Road	Medium Traffic	Yes	Yes	0.77	4066	43	31	161,304	113	1.88	15,048	180	0.55	2211
Notingham Way	Low Traffic	Yes	Yes	0.09	475	50	28	17,582	86	1.88	6,178	180	0.55	214
Old Oak Tree Road	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Orchard Drive	Low Traffic	Yes	Yes	0.42	2218	50	32	90,922	86	1.88	19,958	180	0.55	1031
Oval Lane	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
Oxford Lane	Low Traffic	Yes	Yes	0.33	1742	50	30	67,954	86	1.88	19,166	180	0.55	797
Park Drive	Low Traffic	Yes	Yes	0.43	2270	60	40	111,250	86	1.88	24,974	180	0.55	1265
Parliament Drive	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Pauline Circle	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Pecan Drive	Low Traffic	Yes	Yes	0.38	2006	40	16	50,160	86	1.88	30,096	180	0.55	686
Pemberton Court	Low Traffic	Yes	Yes	0.11	581	50	26	20,328	86	1.88	8,712	180	0.55	257
Pendulum Way	Low Traffic	Yes	Yes	0.07	370	50	28	13,675	86	1.88	4,805	180	0.55	166
Pine Crest Lane	Low Traffic	Yes	Yes	0.68	3590	50	26	125,664	86	1.88	53,856	180	0.55	1586
Pintail Court	Low Traffic	Yes	Yes	0.07	370	50	28	13,675	86	1.88	4,805	180	0.55	166
Pioneer Drive	Low Traffic	Yes	Yes	0.35	1848	50	28	68,270	86	1.88	24,130	180	0.55	830
Pioneer Spur	Low Traffic	Yes	Yes	0.13	686	50	30	26,770	86	1.88	7,550	180	0.55	314
Poe Court	Low Traffic	Yes	Yes	0.22	1162	50	28	42,979	86	1.88	15,101	180	0.55	522
Potters Way	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
Preston Drive	Low Traffic	Yes	Yes	0.30	1584	50	30	61,776	86	1.88	17,424	180	0.55	724
Progress Drive	Low Traffic	Yes	Yes	0.23	1214	50	30	47,362	86	1.88	13,358	180	0.55	555
Quail Ct.	Low Traffic	Yes	Yes	0.09	475	50	28	17,582	86	1.88	6,178	180	0.55	214
Raven Hollow Drive	Low Traffic	Yes	Yes	0.72	3802	50	28	140,659	86	1.88	49,421	180	0.55	1709
Ravenwood Place	Low Traffic	Yes	Yes	0.10	528	50	30	20,592	86	1.88	5,808	180	0.55	241
Red Haven Drive	Low Traffic	Yes	Yes	0.46	2429	50	32	99,581	86	1.88	21,859	180	0.55	1129
Regency Drive	Low Traffic	Yes	Yes	1.07	5650	50	30	220,334	86	1.88	62,146	180	0.55	2584
Richardson Road	Low Traffic	Yes	Yes	0.96	5069	33	18	136,858	86	1.88	30,413	180	0.55	1554
Ridgeview Road	Low Traffic	Yes	Yes	0.21	1109	50	26	38,808	86	1.88	16,632	180	0.55	490
Rose Lane	Low Traffic	Yes	Yes	0.13	686	50	26	24,024	86	1.88	10,296	180	0.55	303
Rosetwig Ln	Low Traffic	Yes	Yes	0.32	1690	50	33	70,963	86	1.88	13,517	180	0.55	792
Rosewood Drive	Low Traffic	Yes	Yes	0.38	2006	50	26	70,224	86	1.88	30,096	180	0.55	887
Ross Court	Low Traffic	Yes	Yes	0.05	264	50	30	10,296	86	1.88	2,904	180	0.55	121

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MONTGOMERY TOWNSHIP

PROJECT NAME:

NPDES MS4 PERMIT RENEWAL

PROJECT NUMBER:

11-12055



Street Name	Classification	Sidewalks	Curb	Length	Length	ROW	Paved	Impervious	TSS	Q	Grass	TSS	Q	Sediment
				63 (22)	0000			Area	EMC	620 10	Area	EMC	DAGGE E	Load
				(mi)	(ft)			(ft²)	(mg/L)	(ft/year)	(lbs/year)	(mg/L)	(ft/year)	(lbs/year)
Royal Court	Low Traffic	Yes	Yes	0.10	528	50	30	20,592	86	1.88	5,808	180	0.55	241
Runnymede Drive	Low Traffic	Yes	Yes	0.25	1320	50	30	51,480	86	1.88	14,520	180	0.55	604
S. Buckingham Lane	Low Traffic	Yes	Yes	0.16	845	50	28	31,258	86	1.88	10,982	180	0.55	380
Samantha Lane	Low Traffic	Yes	Yes	0.16	845	50	30	32,947	86	1.88	9,293	180	0.55	386
Sassafras Drive	Low Traffic	Yes	Yes	0.17	898	50	26	31,416	86	1.88	13,464	180	0.55	397
Savory Lane	Low Traffic	Yes	Yes	0.32	1690	50	30	65,894	86	1.88	18,586	180	0.55	773
Schriener Drive	Low Traffic	Yes	Yes	0.52	2746	50	25	93,984	86	1.88	43,296	180	0.55	1205
Scott Circle	Low Traffic	Yes	Yes	0.12	634	50	26	22,176	86	1.88	9,504	180	0.55	280
Shady Lane	Low Traffic	Yes	Yes	0.48	2534	50	26	88,704	86	1.88	38,016	180	0.55	1120
Shelburne Drive	Low Traffic	Yes	Yes	0.31	1637	50	26	57,288	86	1.88	24,552	180	0.55	723
Simpson Court	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Society Circle	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
South Drive	Low Traffic	Yes	Yes	0.10	528	50	22	16,368	86	1.88	10,032	180	0.55	225
Sparks Circle	Low Traffic	Yes	Yes	0.08	422	50	26	14,784	86	1.88	6,336	180	0.55	187
Spring Valley Drive	Low Traffic	Yes	Yes	0.36	1901	50	24	62,726	86	1.88	32,314	180	0.55	825
Springdale Lane	Low Traffic	Yes	Yes	0.24	1267	50	30	49,421	86	1.88	13,939	180	0.55	579
Spur Rd.	Low Traffic	Yes	Yes	0.35	1848	50	28	68,376	86	1.88	24,024	180	0.55	831
Stafford Circle	Low Traffic	Yes	Yes	0.09	475	50	30	18,533	86	1.88	5,227	180	0.55	217
Stayman Drive	Low Traffic	Yes	Yes	0.32	1690	50	32	69,274	86	1.88	15,206	180	0.55	786
Steeplechase Dr.	Low Traffic	Yes	Yes	0.48	2534	50	30	98,842	86	1.88	27,878	180	0.55	1159
Sterling Drive	Low Traffic	Yes	Yes	0.24	1267	50	26	44,352	86	1.88	19,008	180	0.55	560
Stevers Mill Rd.	Low Traffic	Yes	Yes	0.47	2482	50	28	91,819	86	1.88	32,261	180	0.55	1116
Stone Ridge Drive	Low Traffic	Yes	Yes	0.43	2270	50	29	86,117	86	1.88	27,403	180	0.55	1029
Stoney Court	Low Traffic	Yes	Yes	0.06	317	50	26	11,088	86	1.88	4,752	180	0.55	140
Stump Road	Medium Traffic	Yes	Yes	3.20	16896	33	18	456,192	113	1.88	101,376	180	0.55	6613
Summer Ridge Dr.	Low Traffic	Yes	Yes	0.45	2376	50	26	83,160	86	1.88	35,640	180	0.55	1050
Summit Place	Low Traffic	Yes	Yes	0.07	370	50	26	12,936	86	1.88	5,544	180	0.55	163
Sunrise Drive	Low Traffic	Yes	Yes	0.44	2323	50	26	81,312	86	1.88	34,848	180	0.55	1027
Sunset Drive	Low Traffic	Yes	Yes	0.30	1584	50	22	49,104	86	1.88	30,096	180	0.55	675
Swallow Court	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
Swan Court	Low Traffic	Yes	Yes	0.10	528	50	28	19,536	86	1.88	6,864	180	0.55	237
Sycamore Drive	Low Traffic	Yes	Yes	0.21	1109	40	16	27,720	86	1.88	16,632	180	0.55	379
Tanglewood Drive	Low Traffic	Yes	Yes	0.11	581	50	26	20,328	86	1.88	8,712	180	0.55	257
Tennyson Lane	Low Traffic	Yes	Yes	0.32	1690	50	30	65,894	86	1.88	18,586	180	0.55	773
Thames Drive	Low Traffic	Yes	Yes	0.40	2112	50	30	82,368	86	1.88	23,232	180	0.55	966
Thatcher Court	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Torey Circle	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
Tracey Circle	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
Tree Line Drive	Low Traffic	Yes	Yes	0.55	2904	50	26	101,640	86	1.88	43,560	180	0.55	1283
Trotter Lane	Low Traffic	Yes	Yes	0.14	739	50	32	30,307	86	1.88	6,653	180	0.55	344

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MONTGOMERY TOWNSHIP

PROJECT NAME:

NPDES MS4 PERMIT RENEWAL

PROJECT NUMBER:

11-12055

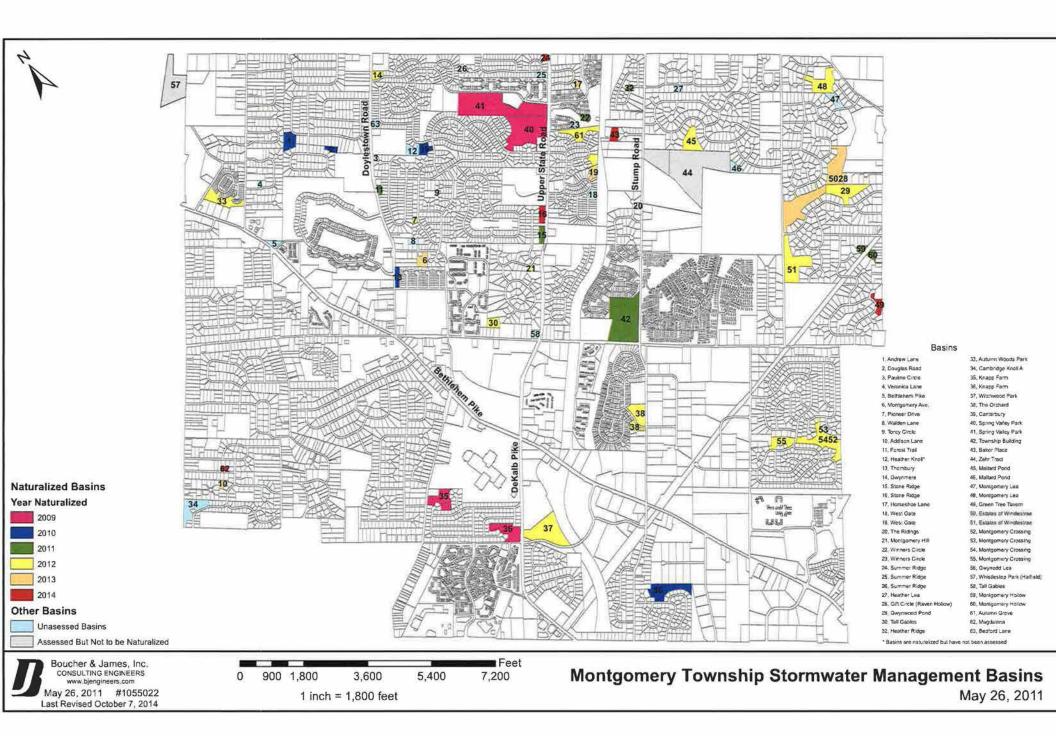


Street Name	Classification	Sidewalks	Curb	Length (mi)	Length (ft)	ROW	Paved	Impervious Area (ft²)	TSS EMC (mg/L)	Q (ft/year)	Grass Area (lbs/year)	TSS EMC (mg/L)	Q (ft/year)	Sediment Load (Ibs/year)
Tudor Drive	Low Traffic	Yes	Yes	0.91	4805	50	30	187,387	86	1.88	52,853	180	0.55	2197
Twining Road	Low Traffic	Yes	Yes	0.68	3590	50	30	140,026	86	1.88	39,494	180	0.55	1642
Usher Lane	Low Traffic	Yes	Yes	0.22	1162	50	28	42,979	86	1.88	15,101	180	0.55	522
Veronica Lane	Low Traffic	Yes	Yes	0.22	1162	50	28	42,979	86	1.88	15,101	180	0.55	522
Village Drive	Low Traffic	Yes	Yes	0.12	634	50	26	22,176	86	1.88	9,504	180	0.55	280
Vilsmeier Road	Low Traffic	Yes	Yes	0.75	3960	50	16	99,000	86	1.88	99,000	180	0,55	1597
Virginia	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1,88	4,118	180	0.55	142
Walden Circle	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
Walden Court	Low Traffic	Yes	Yes	0.07	370	50	32	15,154	86	1.88	3,326	180	0.55	172
Walden Lane	Low Traffic	Yes	Yes	0.10	528	50	30	20,592	86	1.88	5,808	180	0.55	241
Wentworth Drive	Low Traffic	Yes	Yes	0.40	2112	50	28	78,144	86	1.88	27,456	180	0.55	950
West Thomas Rd.	Low Traffic	Yes	Yes	0.47	2482	50	16	62,040	86	1.88	62,040	180	0.55	1001
Westgate Drive	Low Traffic	Yes	Yes	0.37	1954	50	27	70,910	86	1.88	26,770	180	0.55	873
Westminster Drive	Low Traffic	Yes	Yes	0.54	2851	50	28	105,494	86	1.88	37,066	180	0.55	1282
Weston Court	Low Traffic	Yes	Yes	0,08	422	50	30	16,474	86	1.88	4,646	180	0.55	193
Weymouth Circle	Low Traffic	Yes	Yes	0.06	317	50	30	12,355	86	1.88	3,485	180	0.55	145
White Pines Drive	Low Traffic	Yes	Yes	0.26	1373	50	26	48,048	86	1.88	20,592	180	0.55	607
Willowood Court	Low Traffic	Yes	Yes	0.05	264	50	26	9,240	86	1.88	3,960	180	0.55	117
Winter Drive	Low Traffic	Yes	Yes	0.28	1478	50	26	51,744	86	1.88	22,176	180	0.55	653
Witchwood Drive	Low Traffic	Yes	Yes	0.28	1478	50	40	72,442	86	1.88	1,478	180	0.55	733
Woodland Dr.	Low Traffic	Yes	Yes	0.52	2746	50	26	96,096	86	1.88	41,184	180	0.55	1213
Woodlea Terrace	Low Traffic	Yes	Yes	0.07	370	50	32	15,154	86	1.88	3,326	180	0.55	172
Wordsworth Lane	Low Traffic	Yes	Yes	0.07	370	50	30	14,414	86	1.88	4,066	180	0.55	169
Wren Court	Low Traffic	Yes	Yes	0.05	264	50	28	9,768	86	1.88	3,432	180	0.55	119
Wrights Circle	Low Traffic	Yes	Yes	0.06	317	50	28	11,722	86	1.88	4,118	180	0.55	142
TOTAL								13,941,998			4,745,770			171,353
Neshaminy West Branch	25%							3,485,500			1,186,442			42,838
Little Neshaminy	60%							8,365,199			2,847,462			102,812
Wissahickon	15%							2.091,300			711.865			25,703

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# APPENDIX D EXISTING NATURALIZED BASINS

# APPENDIX D-1 TOWNSHIP BASIN LOCATIONS MAP



# APPENDIX D-2 EXISTING NATURALIZED BASINS SEDIMENT CALCULATION

MONTGOMERY TOWNSHIP

PROJECT NAME:

NPDES MS4 PERMIT RENEWAL

PROJECT NUMBER:

11-12055



					25%				75%					25%
No.	LOCATION	YEAR NATURALIZED	WATERSHED	TRIBUTARY AREA (ac)	IMPERVIOUS COVER (ac)	RUNOFF DEPTH (in)	EMC TSS (mg/L)	SEDIMENT (Lb/year)	COVER (ac)	RUNOFF DEPTH (in)	EMC TSS (mg/L)	LAWN SEDIMENT (Lb/year)	TOTAL SEDIMENT (Lb/year)	SEDIMENT REDUCTION (Lb/year)
24	Summer Ridge	2009	LN	16.5	4.1	43.51	35	1,413	12.375	6,59	180	3,303	4,716	1,179
35	Knapp Farm	2009	LN	41.8	10.5	43.51	35	3,581	31.35	6.59	180	8,367	11,948	2,987
40	Spring Valley Park	2009	LN	29.2	7.3	43.51	35	2,501	21.9	6.59	180	5,845	8,346	2,087
41	Spring Valley Park	2009	LN	54.7	13.7	43.51	35	4,686	41.025	6.59	180	10,949	15,635	3,909
56	Gwynedd Lea	2010	LN	35.9	9.0	43.51	35	3,075	26,925	6.59	180	7,186	10,261	2,565
15	Stone Ridge	2011	LN	40.2	10.0	43.51	35	3,439	30.1125	6.59	180	8,037	11,476	2,869
16	Stone Ridge	2011	LN	40.2	10.0	43.51	35	3,439	30.1125	6.59	180	8,037	11,476	2,869
22	Winners Circle	2011	LN	22.9	5.7	43.51	35	1,962	17.175	6.59	180	4,584	6,546	1,636
32	Heather Ridge	2011	LN	14.9	3.7	43.51	35	1,276	11.175	6,59	180	2,983	4,259	1,065
42	Township Building	2011	LN	4.0	1.0	43.51	35	343	3	6,59	180	801	1,143	286
59	Montgomery Hollow	2011	LN	11.5	2.9	43.51	35	985	8.625	6.59	180	2,302	3,287	822
60	Montgomery Hollow	2011	LN	10,4	2.6	43,51	35	891	7.8	6.59	180	2,082	2,973	743
21	Montgomery Hill	2012	LN	37.0	9.3	43.51	35	3,169	27,75	6.59	180	7,406	10,576	2,644
29	Gwynwood Pond	2012	LN	18.2	4.6	43.51	35	1,559	13.65	6,59	180	3,643	5,202	1,301
30	Tall Gables	2012	LN	16.8	4.2	43.51	35	1,439	12.6	6.59	180	3,363	4,802	1,200
38	The Orchard	2012	LN	13.4	3.4	43.51	35	1,148	10.05	6.59	180	2,682	3,830	958
45	Mallard Pond	2012	LN	26.9	6.7	43.51	35	2,307	20.2	6.59	180	5,391	7,698	1,925
48	Montgomery Lea	2012	LN	48.0	12.0	43.51	35	4,112	36	6.59	180	9,608	13,720	3,430
51	Estates of Windlestrae	2012	LN	15.0	3.8	43.51	35	1,285	11.25	6.59	180	3,003	4,287	1,072
52	Montgomery Crossing	2012	LN	52.4	13.1	43.51	35	4,491	39.325	6.59	180	10,496	14,987	3,747
53	Montgomery Crossing	2012	LN	52.4	13.1	43.51	35	4,491	39.325	6.59	180	10,496	14,987	3,747
54	Montgomery Crossing	2012	LN	52.4	13.1	43.51	35	4,491	39.325	6.59	180	10,496	14,987	3,747
	Montgomery Crossing	2012	LN	22.3	5.6	43.51	35	1,910	16.725	6,59	180	4,464	6,374	1,594
	Autumn Grove	2012	LN	3.8	1.0	43.51	35	326	2,85	6.59	180	761	1,086	272
17	Horseshoe Lane	2013	LN	14.2	3.6	43.51	35	1,216	10,65	6.59	180	2,842	4,059	1,015
19	West Gate	2013	LN	43.9	11.0	43,51	35	3,760	32.925	6.59	180	8,788	12,548	3,137
28	Gift Circle (Raven Hollow)	2013	LN	6.0	1.5	43.51	35	514	4.5	6,59	180	1,201	1,715	429
	Estates of Windlestrae	2013	LN	23.1	5.8	43.51	35	1,979	17.325	6,59	180	4,624	6,603	1,651
43	Baker Place	2014	LN	26.9	6.7	43.51	35	2,307	20.2	6.59	180	5,391	7,698	1,925
49	Green Tree Tavern	2014	LN	54.8	13.7	43.51	35	4,694	41.1	6.59	180	10,969	15,664	3,916
36	Knapp Farm	2009	W	22.5	5.6	43,51	35	1,927	16.875	6.59	180	4,504	6,431	1,608
1	Andrew Lane	2010	WB	73.0	18.3	43.51	35	6,253	54.75	6.59	180	14,613	20,866	5,216
2	Douglas Road	2010	WB	8.7	2.2	43.51	35	745	6.525	6.59	180	1,741	2,487	622
_	Thornbury	2010	WB	21.2	5.3	43.51	35	1,815	15.8875	6.59	180	4,240	6,055	1.514
39	Canterbury	2010	WB	57.7	14.4	43.51	35	4,943	43.275	6.59	180	11,550	16,492	4,123
11		2011	WB	21.2	5.3	43.51	35	1,815	15.8875	6.59	180	4,240	6,055	1,514
7	Pioneer Drive	2012	WB	21.2	5.3	43.51	35	1,815	15.8875	6.59	180	4,240	6,055	1,514
14	Gwynmere	2012	WB	22.0	5.5	43.51	35	1,885	16.5	6,59	180	4,404	6,288	1,572
33	Autumn Woods Park	2012	WB	15.5	3.9	43.51	35	1,328	11.625	6.59	180	3,103	4,430	1,108
_	Montgomery Ave.	2013	WB	21.2	5,3	43.51	35	1,815	15.8875	6.59	180	4,240	6,055	1,514
_	Torey Circle	2013	WB	21.2	5.3	43,51	35	1,815	15.8875	6.59	180	4,240	6,055	1,514
_	Addison Lane	2013	WB	16.3	4.1	43,51	35	1,396	12.225	6.59	180	3,263	4,659	1,165
62	Magdalena	2014	WB	35.7	8.9	43.51	35	3,058	26,775	6.59	180	7,146	10,204	2.551

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# APPENDIX E POTENTIAL NEW BMPS

# APPENDIX E-1 POTENTIAL TOWNSHIP BASINS TO BE NATURALIZED

MONTGOMERY TOWNSHIP

PROJECT NAME:

NPDES MS4 PERMIT RENEWAL

PROJECT NUMBER:

11-12055



No.	LOCATION	YEAR TO BE ASSESSED	WATERSHED	TRIBUTARY AREA (ac)	25% IMPERVIOUS COVER (ac)	RUNOFF DEPTH (in)	EMC TSS	IMPERVIOUS SEDIMENT (Lb/year)	75% LAWN COVER (ac)	RUNOFF DEPTH (in)	EMC TSS	LAWN SEDIMENT (Lb/year)	TOTAL SEDIMENT (Lb/year)	25% SEDIMENT REDUCTION (Lb/year)
44	Zehr Tract		LN	26.9	6.7	43.51	35	2,307	20.2	6.59	180	5,391	7,698	1,925
57	Whistlestop Park (Hatfield)		LN	0.0	0.0	43,51	35	0	0	6.59	180	0	0	0
18	West Gate	2015	LN	25.1	6.3	43.51	35	2,150	18,825	6,59	180	5,024	7,174	1,794
20	The Ridings		LN	15.5	3,9	43.51	35	1,328	11.625	6.59	180	3,103	4,430	1,108
23	Winners Circle		LN	4.6	1,2	43,51	35	394	3,45	6,59	180	921	1,315	329
25	Summer Ridge	2015	LN	17.9	4.5	43.51	35	1,533	13,425	6.59	180	3,583	5,116	1,279
26	Summer Ridge		LN		0.0	43.51	35	0	0	6.59	180	0	0	0
27	Heather Lea	2015	LN	25.7	6.4	43.51	35	2,201	19.275	6,59	180	5,144	7,346	1,836
46	Mallard Pond		LN	7.5	1.9	43.51	35	642	5.625	6.59	180	1,501	2,144	536
47	Montgomery Lea		LN	8.2	2.1	43.51	35	702	6.15	6.59	180	1,641	2,344	586
58	Tall Gables		LN	13.2	3.3	43.51	35	1,131	9.9	6.59	180	2,642	3,773	943
12	Heather Knoll*		WB	22.1	5.5	43.51	35	1,893	16.575	6.59	180	4,424	6,317	1,579
3	Pauline Circle		WB	22.1	5.5	43.51	35	1,893	16,575	6.59	180	4,424	6,317	1,579
4	Veronica Lane	2015	WB	10.7	2.7	43.51	35	917	8.025	6.59	180	2,142	3,058	765
5	Bethlehem Pike	2015	WB	6.8	1.7	43.51	35	582	5.1	6.59	180	1,361	1,944	486
8	Walden Lane		W8	21.2	5,3	43.51	35	1,815	15.8875	6.59	180	4,240	6,055	1,514
34	Cambridge Knoll A	2015	WB	42.0	10.5	43.51	35	3,598	31.5	6.59	180	8,407	12,005	3,001
63	Bedford Lane		WB	22.1	5,5	43,51	35	1,893	16.575	6.59	180	4,424	6,317	1,579
	Bridle Path Rd		WB	9.5	2.4	43.51	35	814	7.125	6.59	180	1,902	2,715	679
	Brookshire Way		WB	11.7	2.9	43.51	35	1,002	8,775	6.59	180	2,342	3,344	836

PAGE 1 OF 1

# APPENDIX E-2 POTENTIAL BMPs

Potential BMP Application for Little Neshaminy Creek: Riparian Buffer Restoration



This Little Neshaminy Creek Tributary collects stormwater from approximately 160 acres of residential suburban neighborhoods and discharges it into Little Neshaminy Creek. This tributary can be considered for bank stabilization / floodplain restorations to reduce polluted run-off. Work completion will be contingent upon public / private partnerships.

LAND COVER CLASSIFICATION	ANNUAL RUNOFF (ft)	TSS EMC (mg/l)	TP EMC (mg/l)	NO <sub>3</sub> EMC (mg/l)	TRIBUTARY AREA (ac)	VOLUME (ac*ft)	TSS (lbs/year)	TP (lbs/year)	NO <sub>3</sub> (lbs/year)
Estimated*	0.5492	55	0.25	0.4	160	87.87	4832.67	21.97	35.15
Reduction**							4107.77	18.67	10.54

<sup>\*</sup>Approximate composite EMC values based on visual inspection of aerial photographs.

<sup>\*\*</sup> Estimated 85% TSS Reduction, 30% TN Reduction, 85% TP Reduction based on floodplain restoration in accordance with the PADEP BMP Manual.

Potential BMP Application for Neshaminy Creek Trib.: Riparian Buffer Restoration



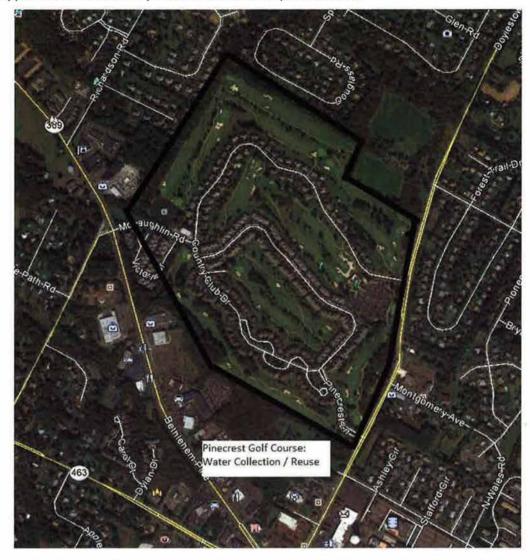
This Neshaminy Creek Tributary collects stormwater from approximately 140 acres of residential suburban neighborhoods and discharges it to an unnamed tributary to Neshaminy Creek. This tributary can be considered for bank stabilization / floodplain restorations to reduce polluted run-off. Completion will be contingent upon public / private partnerships.

LAND COVER	ANNUAL RUNOFF (ft)	TSS EMC (mg/l)	TP EMC (mg/l)	NO <sub>3</sub> EMC	TRIBUTARY AREA (ac)	RUNOFF VOLUME (ac*ft)	TSS (lbs/year)	TP (lbs/year)	NO <sub>3</sub> (lbs/year)
Estimated*	0.5492	55	0.25	0.4	18.8	10.32	567.84	2.58	4.13
Reduction**							482.66	2.19	1.24

<sup>\*</sup>Approximate composite EMC values based on visual inspection of aerial photographs.

<sup>\*\*</sup> Estimated 85% TSS Reduction, 30% TN Reduction, 85% TP Reduction based on floodplain restoration in accordance with the PADEP BMP Manual.

Potential BMP Application for Neshaminy Creek Trib.: Runoff Capture & Reuse



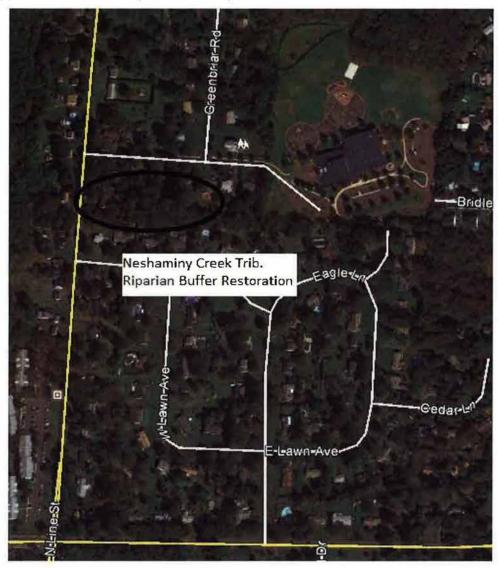
This Neshaminy Creek Tributary collects stormwater from approximately 162 acres of residential suburban neighborhoods and golf course greens and discharges it into an unnamed tributary to Neshaminy Creek. The Township contemplates a system in which runoff is collected for reuse for groundskeeping. Completion will be contingent upon public / private partnerships.

LAND COVER CLASSIFICATION	ANNUAL RUNOFF (ft)	TSS EMC (mg/l)	TP EMC (mg/l)	NO <sub>3</sub> EMC (mg/l)	TRIBUTARY AREA (ac)	VOLUME (ac*ft)	TSS (lbs/year)	TP (lbs/year)	NO <sub>3</sub> (lbs/year)
Estimated*	0.5492	200	0.5	0.8	53	29.11	5821.17	14.55	23.28
Reduction**							5821.17	14.55	23.28

<sup>\*</sup>Approximate composite EMC values based on visual inspection of aerial photographs.

<sup>\*\*</sup> Estimated 100% TSS Reduction, 100% TN Reduction, 100% TP Reduction based on floodplain restoration in accordance with the PADEP BMP Manual.

Potential BMP Application for Neshaminy Creek Trib.: Riparian Buffer Restoration



This Neshaminy Creek Tributary collects stormwater from approximately 31 acres of residential suburban neighborhoods and discharges it to an unnamed tributary to Neshaminy Creek. This tributary can be considered for bank stabilization / floodplain restorations to reduce polluted run-off. Completion will be contingent upon public / private partnerships.

LAND COVER CLASSIFICATION	ANNUAL RUNOFF (ft)	TSS EMC (mg/l)	TP EMC (mg/l)	NO <sub>3</sub> EMC (mg/l)	TRIBUTARY AREA (ac)	VOLUME (ac*ft)	TSS (lbs/year)	TP (lbs/year)	NO <sub>3</sub> (Ibs/year)
Estimated*	0.5492	55	0.25	0.4	31	17.02	936.33	4.26	6.81
Reduction**							795.88	3.62	2.04

<sup>\*</sup>Approximate composite EMC values based on visual inspection of aerial photographs.

<sup>\*\*</sup> Estimated 85% TSS Reduction, 30% TN Reduction, 85% TP Reduction based on floodplain restoration in accordance with the PADEP BMP Manual.

Potential BMP Application for Neshaminy Creek Trib.: Landscape Naturalization



The basin at Bridle Path Road collects stormwater from approximately 9.5 acres of residential suburban neighborhoods and discharges it to an unnamed tributary to Neshaminy Creek. This basin can be considered for landscape restoration to reduce polluted run-off. It is anticipated that the naturalization will increase the pollutant removal of the basin by 25%. See Appendix E-1 for pollutant removal estimates. Completion will be contingent upon public / private partnerships.

Potential BMP Application for Neshaminy Creek Trib.: Landscape Naturalization



The basin at Brookshire Way collects stormwater from approximately 11.7 acres of residential suburban neighborhoods and discharges it to an unnamed tributary to Neshaminy Creek. This basin can be considered for landscape restoration to reduce polluted run-off. It is anticipated that the naturalization will increase the pollutant removal of the basin by 25%. See Appendix E-1 for pollutant removal estimates. Completion will be contingent upon public / private partnerships.

Potential BMP Application for Neshaminy Creek Trib.: Raingarden Installation



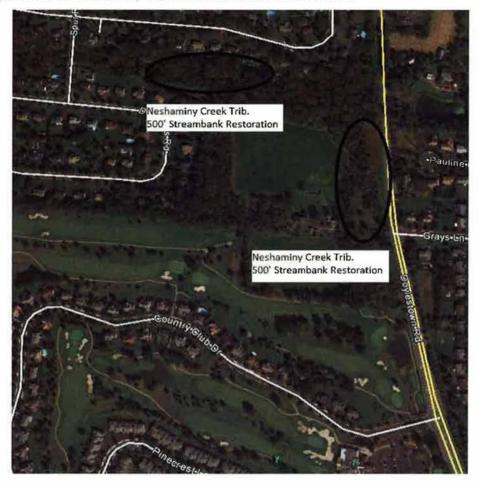
There is the potential to install a raingarden at Fellowship Park which collects stormwater from approximately 5 acres of athlethic fields. It is anticipated that the raingarden will increase the pollutant removal of the area by 85%.

LAND COVER CLASSIFICATION	ANNUAL RUNOFF (ft)	TSS EMC (mg/l)	TP EMC (mg/l)	NO <sub>3</sub> EMC (mg/l)	TRIBUTARY AREA (ac)	RUNOFF VOLUME (ac*ft)	TSS (lbs/year)	TP (lbs/year)	NO <sub>3</sub> (lbs/year)
Estimated*	0.5492	200	1.07	1.01	5	2.75	549.17	2.94	2.77
Reduction**							466.79	2.94	2.77

<sup>\*</sup>Approximate composite EMC values based on visual inspection of aerial photographs.

<sup>\*\*</sup> Estimated 85% TSS Reduction, 85% TN Reduction, 30% TP Reduction based on Rain Garden / Bioretention in accordance with the PADEP BMP Manual.

### Potential BMP Application for Neshaminy Creek Trib.: Streambank Restoration



This Neshaminy Creek proposed BMP is a streambank restoration that will reduce future erosion from approximately 500 linear feet of streambank in two separate sections. It is anticipated that the restoration will decrease the sediment removal along the banks by a total of 21,335 pounds per year.

Estimated Polutant Load and Reduction from BMP Two 500 Linear Feet Sections = 1000 Linear Feet Average reduction = 25.1 lbs / linear foot / year

**Total Reduction** 

25100 lbs/year

85% Claimed

21335 lbs/year

Potnetial BMP Application for Trewellyn Creek: Riparian Buffer Restoration



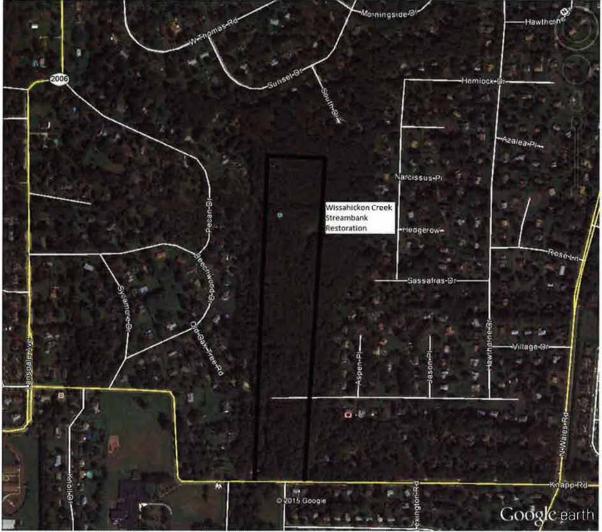
Trewellyn Creek originates in the southeast section of the Township where approximately 75 acres drain towards the headwaters of the creek. The municipality contemplates naturalization of the existing basin and establishment of a riparian buffer that will help remove approximately 67% of the total siltation entering the creek in this area.

LAND COVER CLASSIFICATION	ANNUAL RUNOFF (ft)	TSS EMC (mg/l)	TP EMC (mg/l)	NO <sub>3</sub> EMC (mg/l)	TRIBUTARY AREA (ac)	RUNOFF VOLUME (ac*ft)	TSS (lbs/year)	TP (lbs/year)	NO <sub>3</sub> (lbs/year)
Estimated*	0.5492	55	0.25	0.4	75	41.1875	2265.3125	10.296875	16.475
Reduction**							1517.76	4.43	5.6015

<sup>\*</sup>Approximate composite EMC values based on visual inspection of aerial photographs.

<sup>\*\*</sup> Estimated 67% TSS Reduction, 34% TN Reduction, 43% TP Reduction based on 100' Buffer in accordance with the PADEP BMP Manual.

Potential BMP Application for Wissahickon Creek: Floodplain Restoration



The Wissahickon Creek in Montgomery Township is surrounded mostly by park lands and suburban residential neighborhoods. In order to accomplish a 48% reduction of sediment highlighted by streambank erosion, it is important that Montgomery Township utilizes all streams and tributaries that contribute to the Wissahickon Creek Watershed. The Township contemplates reduction of streambank erosion by surveying the approximately 3,000 linear feet of the creek and installing bank stabilization/floodplain restoration measures as necessary to reduce erosion.

LAND COVER CLASSIFICATION	ANNUAL RUNOFF (ft)	TSS EMC (mg/l)	TP EMC (mg/l)	NO <sub>3</sub> EMC (mg/l)	TRIBUTARY AREA (ac)	VOLUME (ac*ft)	TSS (lbs/year)	TP (lbs/year)	NO <sub>3</sub> (lbs/year)
Estimated*	0.5492	55	0.25	0.4	169	92.809	5104.50	23.20	37.12
Reduction**							4338.83	19.72	11.14

<sup>\*</sup>Approximate composite EMC values based on visual inspection of aerial photographs.

<sup>\*\*</sup> Estimated 85% TSS Reduction, 30% TN Reduction, 85% TP Reduction based on floodplain restoration in accordance with the PADEP BMP Manual.

Potential BMP Application for Wissahickon Creek: Basin Naturalization



The Wissahickon Creek Watershed has a few areas in Montgomery Township that drain into existing detention basins. These basins are currently operating as designed, but can be utilized as potential areas for Landscape Restoration. By naturalizing these basins, they will now serve a duel purpose, water retention as well as water quality enhancement. Further site investigations as well as partnerships with the owners of any private basins will have to be coordinated prior to any work being completed.

LAND COVER	ANNUAL RUNOFF (ft)	TSS EMC (mg/l)	TP EMC (mg/l)	NO <sub>3</sub> EMC	TRIBUTARY AREA (ac)	RUNOFF VOLUME (ac*ft)	TSS (lbs/year)	TP (lbs/year)	NO <sub>3</sub> (lbs/year)
Basin 1*	0.5492	55	0.25	0.4	35	19.22	1057.15	4.81	7.69
Basin 2*					25	13.73	755.10	3.43	5.49
Basin 3*					25	13.73	755.10	3.43	5.49
Basin 4*					40	21.97	1208.17	5.49	8.79
Basin 5*					40	21.97	1208.17	5.49	8.79
Total					165	90.61	4983.69	22.65	36.25
Reduction**							4236.13	19.26	10.87

<sup>\*</sup>Approximate composite EMC values based on visual inspection of aerial photographs.

<sup>\*\*</sup> Estimated 85% TSS Reduction, 30% TN Reduction, 85% TP Reduction based on landscape restoration in accordance with the PADEP BMP Manual.

# APPENDIX F PUBLIC COMMENT AND RESPONSES

(Appendix F will be completed following the 30-day public review and comment period.)

## MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS BOARD ACTION SUMMARY

SUBJECT:

Announcing 2015 Holiday Lights Contest & Breakfast with Santa

MEETING DATE:

November 9, 2015

ITEM NUMBER: #8

MEETING/AGENDA:

WORK SESSION

**ACTION** XX NONE

REASON FOR CONSIDERATION: Operational:

Policy:

Discussion:

Information: XX

INITIATED BY: Brian Forman, Director

Recreation and Community Cé riter BOARD LIAISON: Michael J. Fox, Chairman (Liaison to the Park and Recreation Board)

### BACKGROUND:

The Montgomery Township Recreation Department is currently planning the 2015 Holiday Lights Contest and Breakfast with Santa events. These events are run with support from the Park and Recreation Board.

The Holiday Lights Contest is an annual event that encourages our residents to decorate their homes in the Township for the holiday season. All entries are due by Friday, December 4 at 8PM. The categories include Most Colorful, Most Variety, Most Traditional, and Grand Prize Winner - "Car Stopper Award."

Park Board members along with Township Staff will judge all of the entries on Tuesday, December 8 and Wednesday, December 9 from 5PM-8PM. Winners will be recognized at the December 14 Board of Supervisors meeting and will earn a gift card and a lawn sign to place in their yard. All participants will receive a certificate.

This year we will hold our Breakfast with Santa on Saturday, December 5 in the Community and Recreation Center. This event is for the whole family with a buffet breakfast provided by Our Towne Catering, holiday music, crafts and much more! With assistance from the FDMT, Santa will arrive on the Fire Truck for a special visit.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT: None.

PREVIOUS BOARD ACTION: None.

ALTERNATIVES/OPTIONS: None.

BUDGET IMPACT: None.

### RECOMMENDATION:

The township staff encourages and invites all Board Members to attend Breakfast with Santa and view the displays presented by the Holiday Lights participants.

### MOTION/RESOLUTION:

None.

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.



# **Breakfast with Santa**



Saturday, December 5 9:30am

**Breakfast Buffet** 

**Community and Recreation Center** 

CRC Members: \$11 Adults; \$5 (3-10 years)

Non-Members: \$18 Adults; \$12 (3-10 years)

\*Seating is limited - Reservations Required

# **Crafts & Entertainment & Share your list with Santa**

Please call 267-649-7200 for more information or visit our website, www.MontCRC.com

# MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS BOARD ACTION SUMMARY

SUBJECT: Consider Authorization to Solicit Proposals for Janitorial Services - Community and Recreation Center									
MEETING DATE: Novemb	per 9, 2015	ITEM	NUMBER: #	9					
MEETING/AGENDA:	ACTION xx	NO	NE						
REASON FOR CONSIDERATI	ON: Operational	xx Policy:	Discussion:	Information:					
INITIATED BY: Brian Forman, Director of Recreation BOARD LIAISON: Michael J. Fox, Chairman and Community Center Liaison – Park and Recreation Board									
BACKGROUND: In order to maintain the highest level of cleanliness for our constituents, the Community and Recreation Center requires professional Janitorial Services to be performed daily in the facility.									
A copy of the Advertisement and Notice to Contractors for the services is attached which outlines the scope of the work required. Once approved to proceed, the tentative schedule for receiving Proposals and Awarding a Contract is:									
<ul> <li>Advertisement on November 10, 2015</li> <li>Proposals Due on December 10, 2015 by 10:00AM</li> <li>Award of Contract at the Board Meeting on December 14, 2015 after 8:00PM.</li> </ul>									
ZONING, SUBDIVISION OR LA	AND DEVELOPM	MENT IMPACT:	None.						
PREVIOUS BOARD ACTION:	None								
ALTERNATIVES/OPTIONS: N	lone.								
BUDGET IMPACT: The estimatementh).	ated cost for the	services is appro	ximately \$60,00	0 for 1 year (\$5,000 per					
	RECOMMENDATION: Township Staff recommends authorizing the advertisement of this RFP for Janitorial Services for the Community and Recreation Center.								
MOTION/RESOLUTION:									
BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby authorize the Township to Advertise for Proposals for the Janitorial Services in the Community and Recreation Center.									
MOTION:	SECOND:								
ROLL CALL:									
Robert J. Birch Candyce Fluehr Chimera Jeffrey W. McDonnell Joseph P. Walsh Michael J. Fox	Aye Aye Aye Aye Aye	Opposed Opposed Opposed Opposed Opposed	Abstain Abstain Abstain Abstain Abstain	Absent Absent Absent Absent Absent					

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

## SPECIFICATIONS FOR JANITORIAL SERVICES

# Montgomery Township Community & Recreation Center 1030 Horsham Road

Montgomery Township 1001 Stump Road Montgomeryville, PA 18936

### INTRODUCTION

Montgomery Township is seeking proposals from qualified Contractors to provide Janitorial Services for the Montgomery Township Community and Recreation Center. This document is a Request for Proposal for the services described below and does not obligate Montgomery Township to accept responses from eligible Contractors. The RFP establishes minimum requirements a bidder must meet in order to be eligible for consideration as well as information to be included in the Contractor's bid response.

Carefully examine the specifications, conditions and limitations.

The selection of the successful Contractor will be made based on Montgomery Township's evaluation and determination of the relative ability of each Bidder to deliver quality service in a cost-effective manner.

The following specific criteria will be evaluated and must be addressed in the proposal:

- 1. Company Profile
- 2. Personnel Selection Process
- 3. Training Program
- 4. Insurance
- 5. Price (per month)
- 6. Operations Plan
- 7. Inspection Process
- 8. Safety Program
- 9. References

Montgomery Township is not obligated to accept the lowest bid and reserves the right to reject any and all bids or amend the scope of the work.

### SUBMISSION OF PROPOSALS

Responses to this RFP are due by 4:30pm on December 9, 2015. Late submittals will be rejected. All submittals are to be sealed, clearly marked "Janitorial Proposal" and addressed to:

Brian Forman, Director of Recreation and Community Center Montgomery Township 1001 Stump Road Montgomeryville, PA 18936 Phone - (215) 393-6900 Fax - (215) 855-6656 bforman@montgomerytwp.org

### GENERAL CONDITIONS

- A The Contractor shall provide all items of service, labor, cleaning equipment, tools, safety equipment and supervision to satisfactorily provide and meet the full requirements of these specifications as required at the Montgomery Township Community and Recreation Center. All cleaning products, hand soaps, toilet paper, paper towels and trash-can liners will be supplied by the Township.
- B. All work shall be performed in a first-class workmanlike manner by skilled workers equipped to produce satisfactory results. The use of all materials, products and equipment shall be in conformity with manufacturer's specifications and instructions. All work shall be performed with regards to the best standard trade practices.
- C. Should any dispute arise as to the quality or fitness of equipment, the decision shall rest with the Township.
- D. Unsatisfactory Services If the services described within these specifications do not meet the quality standards of the township, the township shall provide immediate written notice that said unsatisfactory services shall be rectified within a period of Forty Eight (48) hours. If, at the end of Forty Eight (48) hour period services remain unsatisfactory the Township reserves the right to secure such services and deduct the cost of said services from the contractor. The Township shall at any time evaluate the performance and quality of services provided by the contractor.

When the township determines that the contractor has not complied with the requirements of these specifications, the township reserves the right to cancel this contract in writing within thirty (30) days. Any additional cost incurred by the Township to fulfill the obligations of this contract said cost will be deducted from any outstanding monies owed to the contractor.

- E. Term (<u>Duration</u>) of Contract- This contract shall be in effect for One (1) full year with an option to renew for an additional year based on the fixed percentage (%) increase identified in this bid document. Montgomery Township reserves the right to cancel the contract at any time during this period if the services describe are not consistent with these specifications or if the township is not one hundred (100%) satisfied with the workmanship and quality of service. In the event of such unsatisfactory performance Montgomery Township shall notify the contractor thirty (30) days prior to the termination of the contract and make one (1) months final payment less any outstanding cost incurred by the township.
- F. Immediately upon execution of the contract and before any payments are made to the contractor by the Township, the contractor will provide to the Township a "Schedule of Values" of all work. This "Schedule of Values" shall list each item of work to be completed at the Montgomery Township Community and Recreation Center with its corresponding dollar value. The sum of all of these values should equal the contract price.

- G. In the event that any item of work is not completely and satisfactorily performed, the value corresponding to that item will be deducted from all payments made by the Township to the contractor until that item of work is completely and satisfactorily performed.
- H. Modifications to the specified janitorial services may be required by the Township at any time and a subsequent change in the contract price negotiated between the parties. If a new price cannot be negotiated to the satisfaction of the Township, the contract may be terminated in accordance with the above specification.
- I. The Contractor shall hire, train, supervise and maintain an adequate number of employees as necessary to satisfactorily complete the cleaning services as specified.
- J. Prior to assignment of any personnel, the Contractor shall submit to the Township a brief resume of each employee. Said resume shall include, but not be limited to, the employee's name, address, date of birth, social security number, U.S. citizenship status, complete and uninterrupted work history, and criminal record. In the event any employee is considered to be unacceptable to the Township, the Contractor shall immediately remove said employee from further consideration for employment at Township facilities.
- K. Furthermore, if, in the Township's opinion, an assigned employee is found to be unacceptable and/or imposes a security risk, the Contractor shall promptly remove said employee from his/her assignment on Township property. Access to the Township buildings by the contractor's employees shall be made in accordance with the Township's identification and security procedures and the Contractor's employees will be required to display, at all times, the Contractor and Township approved identification tags. The Contractor's employees shall not take any packages, parcels, shopping bags, etc., to his/her assignment work area. Any handbags or other containers taken to building areas will be subject to inspection by police or Montgomery Township Community and Recreation Center staff prior to the employee's departing the Montgomery Township Community and Recreation Center premises.
- L. Use of telephones by Contractor's employees will be limited to the public lobby phones. Any proven use of office telephones could result in the Township requesting Contractor to remove employee from his/her assignment on the Township's property.
- M. Contractor shall provide a minimum of one (I) supervisor who will be responsible to the Township's authorized representative for the detailed cleaning procedures. Any irregularities shall be cleared through the Contractor's supervisor and the Township's authorized representative. The Contractor's supervisor shall be responsible for making the necessary tour of the Montgomery Township Community and Recreation Center in order to insure thorough coverage in all phases of the work to be performed.
- N. The Township will *have* its own representative to whom the Contractor's supervisors will be responsible. This representative will, from time to time, request the Contractor's

Supervisor accompany him on tours through the complex in order to point out whether there are any problem areas. The Township fully intends to have close and fairly constant observation and evaluation of the Contractor's performance. The representative for the Montgomery Township Community and Recreation Center shall be the Recreation Director.

- O. The Contractor shall provide in sufficient quantity all necessary OSHA approved tools and equipment and Township-approved materials and supplies. Said tools and equipment shall be kept in good operating order to satisfactorily complete work required. All supplies shall be kept in a neat and orderly manner in areas designated by the Montgomery Township Community and Recreation Center Director. All required materials and/or supplies will be the responsibility of the Contractor.
- P. All supplies used in the lunch room areas must be in accordance with the rules and regulations of the Department of Environmental Resources and the U.S. Department of Agriculture.
- Q. The Contractor agrees in the performance of this Contract that he will comply with all laws or ordinances (State, Federal or Local) including those regulating pollution, and will be responsible for correcting any latent conditions which may cause a violation.
- R. Necessary keys or fobs will be supplied by the Township. There will be a replacement charge of \$10.00 and a penalty of \$200.00 for any key lost by the vendor or his employees; the replacement charge will be deducted from the vendor's monthly invoice submitted the month following the replacement.
- S. Contractor shall plan and institute the methods and sequence of the performance of specified work so as not to interfere with any of the numerous Montgomery Township Community and Recreation Center activities. The Contractor must modify these methods and sequences at any time during the Contract as instructed by the Township.
- T. The Contractor shall submit to the Township's representative on a daily work basis a log showing the names of the Contractor's employees that were working in the Montgomery Township Community and Recreation Center.
- U. Contractor shall provide daily check lists showing all items under "Extent of Work" on a daily, weekly, by-weekly, monthly, etc. basis for the Montgomery Township Community and Recreation Center indicating which items of work were done and which items were not done. These checklists are to be signed by the non-working supervisor as certification that the indications are true and correct. Any falsification of this information will be cause for cancellation of this contract.
- V. Payments shall be made to the Vendor within thirty (30) days of receipt of invoice after

inspection by and acceptance of work by an authorized representative of the Township and approval of the invoice.

- W. All employees of the successful bidder shall be clean and neat in appearance while working within the Montgomery Township Community and Recreation Center. All employees shall be neatly dressed (uniformed employees preferred). All employees, at all times shall wear in plain view an identification card. No improper language, gestures or conduct will be permitted on Township owned property. No smoking will be permitted in Township facilities. Any employee of the successful bidder who demonstrates an unacceptable behavior, or is unacceptable in dress shall not be permitted to work within the facilities.
- X. Smoking will not be permitted in Township facilities. A designated smoking area will be assigned outside each facility if necessary. Violation of this requirement may constitute contract termination.
- Y. No exterior doors are to be kept propped in an open position.
- Z Liability and Insurance
- A. The Contractor shall protect all Township property and work areas from damage, and agrees to indemnify and hold harmless the Township from and against all liability for injuries and damages to person or property at any time sustained by any person or corporation, including Township, whatsoever arising out of, resulting from or in any manner caused by or in connection with Contractor's performance of the Contract. Said indemnification shall include theft, which is attributable to the activities of the Contractor or his employee.
- B. The Contractor (or his insurance company) shall, at its own expense, adjust all complaints, unless the Township in particular cases elects to do so at the Contractors expense. The Contractor (or his insurance company) shall assume full responsibility for all claims and legal actions arising out of the work done and to be done under this Specification.
- C. The Contractor shall carry insurance with insurance companies acceptable to the Township for coverage in at least the amounts listed below:
  - 1. Worker's Compensation:

a. State: Statutoryb. Applicable Federal Statutory

c. Employer's Liability: \$100,000 per Accident

\$500,000 Disease, Policy Limit \$100,000 Disease, per Employee 2. Comprehensive or Commercial General Liability (including Premises-Operations;

Contractor's Protective; Products and Completed Operations; Broad Form Property Damage:

a. Bodily Injury:

\$1,000,000

\$2,000,000

Each Occurrence

b. Property Damage:

Aggregate

\$1,000,000

\$2,000,000

Each Occurrence

Aggregate

c. Products and Completed Operations to be maintained for <u>Five</u> years after final payment:

\$2,000,000

Aggregate

- d. Property Damage Liability insurance shall provide X, C, and U coverage
- e. Broad Form Property Damage Coverage shall include Completed Operations
- 3. Contractual liability:
  - a. Bodily Injury:

\$1,000,000

Each Occurrence

\$2,000,000

Aggregate

b. Property Damage:

\$1,000,000

Each Occurrence

\$2,000,000.

Aggregate

4. Personal Injury, with Employment Exclusion deleted:

\$2,000,000

Aggregate

- 5. Business Auto liability (including owned, non-owned and hired vehicles):
  - a. Bodily Injury:

\$1,000,000

Each Person

\$2,000,000

Each Occurrence

b. Property Damage:

\$2,000,000

Each Occurrence

6. Umbrella Excess Liability:

\$5,000,000 over primary insurance

\$ 10,000 retention for self-insured hazards each occurrence

Satisfactory evidence, in the form of insurance certificates, shall be submitted by the Contractor to the Township that above policies are in force and no changes in the policies shall be made without thirty (30) days' written notification to the Township.

D. The Contractor shall operate under and be subject to the Commonwealth of Pennsylvania Workmen's Compensation Act and shall carry satisfactory Compensation Insurance.

#### AA. SAFETY. SECURITY AND CONSERVATION

A. Contractor shall take all necessary precautions for the safety of employees on the work location and shall comply with all applicable provisions of Federal, State and Local Safety laws and building codes to prevent accidents or injury to persons on, about or adjacent to the premises where work is being performed. This shall include but not be limited to, erecting and maintaining as required by conditions of the work, necessary safeguards for protection of workmen and public and posting danger sign warnings against hazards created by such features of this work as wet floors, scaffolding, window openings, wet stairways, falling materials, etc.

#### AB. SPECIFICATIONS FOR JANITORIAL SERVICE

#### Outline

It is the purpose of these specifications to cover required janitorial services to be performed on all designated areas of the Montgomery Township Community and Recreation Center.

All cleaning fluids, polishes, glass cleaners, carpet cleaners, special cleaning fluids, and plastic trash liners and disposal bags necessary to complete all detailed tasks will be supplied by the Township. All cleaning products will be available and maintained on Montgomery Township property. Products supplied by the Township will be in bulk dispensing or individually packaged containers.

The successful bidder will be responsible to provide all necessary cleaning equipment, cleaning tools, dispensing containers, and personal protective equipment to perform the specified tasks.

#### AC. EXAMINATION OF SITE AND SPECIFICATIONS

Each bidder shall visit the Montgomery Township Community and Recreation Center and fully acquaint themselves with conditions as they exist so that they may fully understand the facilities, difficulties and restrictions attending the execution of the work under his contract. Bidders shall also thoroughly examine and be familiar with the Specifications. Bidders are welcome to tour the facilities <u>by appointment</u> Monday through Friday between 8:30A.M. and 3:00P.M.

Any questions should be directed to: Brian Forman, Montgomery Township Community and Recreation Center Director.

#### AD. CLEANING SPECIFICATIONS

#### Montgomery Township Community and Recreation Center

#### Entry Ways, Lobby, Back Staircase Daily (unless otherwise noted)

- 1. Wash front door glass as well as adjacent architectural metal trims to remove fingerprints, smudges, etc. caused during the day.
- 2. Sweep, spot clean and vacuum all lobby mats.
- 3. Dust or damp wipe alt horizontal surfaces i.e. window sills, chair rails, baseboards, moldings, partitions and picture frames.
- 4. Spot clean walls, counters, glass doors and electric switch plates.
- 5. Vacuum carpeted floor surfaces.
- 6. Spot clean all carpet stains as needed.
- 7. Sweep or dust mop all resilient tile floor surfaces.
- 8. Wet mop lobby tile floors: Special Note: Daily
- 9. Spot clean and polish all bright metal surfaces.
- 10. Remove gum, tar and other foreign substances from floor surfaces.
- 11. Wash public telephones with disinfectant cleaner.
- 12. Spot clean all furniture.
- 13. Spot clean all interior doors, and inside window glass.
- 14. Remove cobwebs from ceilings, wall corners, service counter areas as needed.
- Check exterior of light fixtures for cleanliness. Those requiring cleaning shall be cleaned.
- 16. All windows and staircase railing cleaned as needed.
- 17. Empty all trash receptacles.

#### Offices and Break Area

- 1. Waste receptacles shall be emptied and wiped clean. Waste shall be removed and placed at assigned location for disposal by Township. The Township reserves the right to change location at their discretion. New plastic protective liners shall be used in waste receptacles.
- All cleared desks (free of papers), cabinets and other furniture shall be dusted and polished with a treated cloth (including telephones and computer monitors). Computer keyboards shall not be cleaned. Extreme care shall be taken to prevent liquid from entering computer equipment. Rooms marked "DO NOT DISTURB" shall not be entered.
- 3. All walls, glass doors, and electric switch plates shall be spot cleaned.
- 4. All floors (except for carpeted areas) shall be mopped as specified (see vinyl flooring specifications). *Special Note: Daily*
- 5. All carpeted areas shall be vacuumed.
- 6. Remove any and all stains and spots from all carpeted areas as required.
- 7. All sinks shall be thoroughly cleaned and sanitized.
- 8. All bright metal work shall be cleaned and polished.

#### Weekly

- 1. Waste receptacle shall be washed and disinfected.
- All window sills, window frames, chair rails, baseboards, molding, partitions (room dividers) counter tops, and picture frames shall be damp wiped and polished.
- All cabinets and telephones shall be damp wiped using a detergent disinfectant and the surfaces rubbed to achieve a clean looking finish.
- All windows (if required), doors, pictures, cabinets, etc., shall be washed and dried (window inside only).
- 5. All window sills, window frames, chair rails, baseboards, moldings, partitions, and picture frames shall be thoroughly washed.
- 6. Ceilings shall be spot cleaned and cobwebs shall be removed.

- 7. Check exterior of light fixtures for cleanliness. Those requiring cleaning shall be cleaned.
- 8. Buff all resilient tile floor surfaces

#### Restrooms and Family Restroom/Shower

- 1. Sweep or dust mop floor surfaces.
- 2. Wet mop floor surfaces. Special Note: Daily
- 3. Remove gum, tar and other foreign substances from floor surfaces.
- 4. Dust horizontal surfaces within reach.
- 5. Remove all fingermarks from walls, stalls, doors and light switches with disinfectant cleaner.
- 6. Polish all stainless steel and chrome fixtures.
- 7. Clean and polish mirrors, frames, shelves, wash basins and soap dispensers.
- 8. Clean, wash and disinfect all showers, basins, bowls, urinals, doorknobs and pulls. Urinals and toilet bowls cleaned with a germicidal toilet bowl cleaner. Basins cleaned with a scouring powder.
- 9. Empty, clean, and disinfect all waste and sanitary containers. Replace all liners and transport to assigned location for disposal by Township. The Township reserves the right to change location at their discretion. Only new plastic protective liners shall be used in waste receptacles.
- 10. All toilet room walls, doors, floors, partitions (room dividers), plumbing fixtures, exposed plumbing, towel and toilet paper holders, soap dispensers and changing tables shall be thoroughly washed with a detergent disinfectant.

#### Weekly

- High dust all horizontal surfaces (such as door frames, partitions, ledges, etc.).
- 2. Mineral deposits on toilets, urinals, sinks, tubs and showers shall be removed as needed.
- 3. Wash and disinfect walls, partitions, doors and trim.

#### 4. Clean baseboards.

#### Hallways, Upper Level Seating Area, Conference Rooms and Youth Lounge, Elevator

- 1. Dust or damp wipe alt horizontal surfaces i.e. window sills, chair rails, baseboards, moldings, partitions and picture frames.
- 2. Spot clean walls, counters, glass doors and electric switch plates.
- 3. Vacuum carpeted floor surfaces.
- Spot clean all carpet stains as needed.
- 5. Spot clean and polish all bright metal surfaces.
- 6. Remove gum, tar and other foreign substances from floor surfaces.
- 7. Wash public telephones with disinfectant cleaner.
- 8. Spot clean all furniture.
- 8. Spot clean all interior doors, and inside window glass.
- Remove cobwebs from ceilings, wall corners, service counter areas as needed.
- 10. All windows and staircase railing cleaned as needed.
- 11. Empty all trash receptacles.

#### Catering Kitchen (As Needed)

- 1. Sweep or dust mop and wet mop floor surfaces.
- 2. Remove gum, tar and other foreign substances from floor surfaces.
- 3. Clean and disinfect countertops and sinks.
- Spot clean walls and cabinets.
- 5. Spot clean and polish bright metal surfaces.

- 6. Spot clean all appliances; including stove, and oven.
- 7. Empty all trash receptacles.

#### Janitorial Rooms, Storage Rooms Weekly

- All wet mops (when used) for each area shall be laundered and mechanically dried.
- 2. All dust cloths, sweeping tool covers and dust mops shall be removed and replaced with clean cloths, covers and mop heads.
- 3. Shelves in custodial closets shall be kept clean and in order. Sinks shall be kept clean at all times.
- 4. Equipment shall be cleaned and stored properly after each usage.
- All items in custodial Rooms shall be removed so that all surfaces such as walls, floors, shelves, door, metal baseboards, etc., (whether hidden by items or not) shall be dusted and/or dry mopped, then washed, with a detergent disinfectant.
- 6. Buff all resilient tile floor surfaces (Monthly)

#### Fitness Center and Group Exercise Studios

- 1. All cleared desks (free of papers), cabinets and other furniture shall be dusted and polished with a treated cloth (including telephones and computer monitors). Computer keyboards shall not be cleaned. Extreme care shall be taken to prevent liquid from entering computer equipment.
- Dust and dry wipe all fitness equipment and machines.
- 3. Sweep and mop flooring, within manufacturers specifications.
- Using extreme care to not damage flooring, remove all gum, tar and other foreign substances and stains from floor.
- 5. Dust and remove cobwebs from ceiling, wall corners and TV's.
- 6. Dust and wet wipe all window sills within reach.
- 7. Empty trash receptacles.

Clean and sanitize water cooler daily. 8.

- Gymnasium and Elevated Track
  1. Spot clean doors, windows and window sills.
  - Dry mop or sweep flooring. 2.
  - Using extreme care to not damage flooring, remove all gum, tar and 3. other foreign substances and stains from floor.
  - Wet mop, spot clean flooring only within floor manufacturers specifications. 4.
  - Empty all trash receptacles. 5.

#### PROPOSAL RESPONSE FORM

COMPANY:		
ADDRESS:		
PHONE:	FAX:	
SIGNATURE:	DATE:	
PRINT NAME:		
TITLE:		
MONTHLY COST PROPOSAL:		

#### MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS BOARD ACTION SUMMARY

SUBJECT: Consider Authorization to Execute Addendums A & B to the Agreement with AGT Fitness Management, Inc. to Provide Group Exercise, Personal Training and Nutritional Services to the Community and Recreation Center

MEETING DATE:

November 9, 2015

ITEM NUMBER: #10

Liaison to Park & Recreation Board

MEETING/AGENDA:

ACTION

NONE

REASON FOR CONSIDERATION: Operational:

Policy:

Discussion: xx

Information:

INITIATED BY: Brian Forman, Director

BOARD LIAISON: Michael J. Fox, Chairman

Of Recreation and Community Center

#### BACKGROUND:

AGT Fitness Management, Inc. is proposing Addendums A & B to the agreement executed at the October 26, 2015 meeting. The Addendum's would provide Group Exercise, Personal Training and Nutritional Services to patrons of the Community and Recreation Center.

Addendum A proposes that AGT, in cooperation with the Community and Recreation Center staff, would be responsible for scheduling the Group Exercise programs at the Center. The instructors that have been contracted by the Township prior to the execution of Addendum A would convert to AGT's payroll and be covered by AGT's insurance. The instructors would be employees of AGT, however, AGT would not be able to dismiss any of the previously contracted instructors without Township approval. AGT will invoice the Township for the previously contracted instructors the same rate \$25/Session rate that the Township had previously agreed to with the instructors.

There is no cost to the Township for the instructors to become AGT employees. Addendum A eliminates potential coordination issues between scheduling Township contracted instructors and AGT employed instructors. Addendum A also ensures Group Exercise classes will take place as scheduled as AGT will be responsible to provide a substitute instructor in the event the scheduled instructor is unavailable.

Addendum B proposes AGT provides Personal Training and Nutritional Services in the Community and Recreation Center. These services are provided to patrons on an hourly rate basis and with no cost to the Township. AGT will bill all of the Personal Training Services to the individual patron. The Township will receive 5% of the first \$7,500 in gross revenue from sales of these services and 7.5% of the gross revenue from all sales above \$7,500.

Providing these services is an important component in offering a complete fitness/wellness opportunity for the residents of our community at the Center. AGT understands that the Township is interested in providing these services without our clientele feeling pressured to purchase these additional offerings.

#### ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

#### PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:					
None.					
BUDGET IMPACT:					
None.	<i>P</i>				
RECOMMENDATION:					
Approve Authorization to Exe Inc. to provide Group Exercis Recreation Center.					
MOTION/RESOLUTION:					
BE IT RESOLVED by the Boa Authorization to Execute Add provide Group Exercise, Pers Center.	endums A & B	to the Agreement	with AGT Fitne	ss Management, I	nc. to
MOTION:	SECOND: _				
ROLL CALL:					
Robert J. Birch Candyce Fluehr Chimera Jeffrey W. McDonnell Joseph P. Walsh Michael J. Fox	Aye Aye Aye Aye Aye	Opposed Opposed Opposed Opposed Opposed	Abstain Abstain Abstain Abstain Abstain	Absent Absent Absent Absent Absent	

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

#### Addendum A

Reference is made to a certain agreeme said agreement beginning dated	ent by and between the undersigned parties, , 2015.
Be it known, that for good consideration changes a part of said contract as if con	the parties make the following additions or stained therein:
executed date of the referenced contract referenced contract is executed. Once of insurance. AGT will invoice the Townsh forward. AGT cannot terminate any of	nip \$25 per class for these instructors going these instructors without the approval of the e of all group ex schedule adjustments and subs,
All other terms and provisions of said co	ontract shall remain in full force and effect.
Accepted and Approved By:	
Ву:	Ву:
David Rambo	Michael J. Fox, Chairman
AGT Fitness Management, Inc.	Montgomeryville Township
Date	Date:

#### Addendum B

Reference is made to a certain agreeme said agreement beginning dated	ent by and between the undersigned parties, , 2015.
Be it known, that for good consideration changes a part of said contract as if con	the parties make the following additions or tained therein:
nutritional services within the Fitness Ce collect all payments for services provide responsible for billing its services. The T services up to \$7,500 and 7.5% on anyt remitted to the Township on a monthly b	at to offer and provide personal training and enter. AGT will make all appointments and at the Fitness Center. AGT will be solely Township will receive 5% of the revenue from hing above that amount. Payment will be easis in the form of a credit that will be used my point a designee of the Township can have nue reports.
All other terms and provisions of said co	ontract shall remain in full force and effect.
Accepted and Approved By:	
By: David Rambo	By: Michael J. Fox, Chairman
AGT Fitness Management, Inc.	Montgomery Township
Date:	Date:

## MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS BOARD ACTION SUMMARY

Consider Amended Waiver of Formal Land Development Process - Burger King SUBJECT: - 560 DeKalb Pike - #M-15-76 (Amended #M-15-72) ITEM NUMBER: #11. November 9, 2015 MEETING DATE: ACTION XX NONE MEETING/AGENDA: REASON FOR CONSIDERATION: Operational: Policy: Discussion: Information: INITIATED BY: Bruce Shoupe BOARD LIAISON: Michael J. Fox Director of Planning and Zoning Chairman BACKGROUND: On June 22, 2015, the Board of Supervisors approved the request of Family Dining, Inc., owner of the Burger King Restaurant, located at 560 DeKalb Pike, for a waiver of the requirement of a formal land development application in order to construct a 510 square foot indoor playground area onto the side of existing building as part of their renovation project. Since then the applicant has amended the plan to provide the addition of a 10 foot wide drive-thru bypass lane and is requesting the Board of Supervisors amend their prior waiver approval to include this additional work. The Township's staff and consultants have reviewed the revised plan and support the amended waiver requested, conditioned upon the applicant complying with the review letters submitted by the Township Consultants. ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT: None PREVIOUS BOARD ACTION: None. ALTERNATIVES/OPTIONS: Approve or not approve the amended waiver request. BUDGET IMPACT: None. RECOMMENDATION: That the amended waiver request be approved. MOTION/RESOLUTION: The resolution is attached. MOTION: SECOND: ROLL CALL: Robert J. Birch Aye Opposed Abstain Absent Candyce Fluehr Chimera Opposed Abstain Absent Aye Jeffrey W. McDonnell Opposed Abstain Absent Aye Joseph P. Walsh Opposed Absent Aye Abstain

Opposed

Abstain

Absent

Aye

Michael J. Fox

#### **RESOLUTION #**

#### MONTGOMERY TOWNSHIP

#### MONTGOMERY COUNTY, PENNSYLVANIA

## A RESOLUTION GRANTING AN AMENDMENT TO THE WAIVER OF THE REQUIREMENT OF A FORMAL LAND DEVELOPMENT APPLICATION FOR THE BURGER KING LOCATED AT 560 DEKALB PIKE - #M-15-76 (AMENDED FROM #M-15-72)

The Board of Supervisors of Montgomery Township, Montgomery County, Pennsylvania, hereby resolves to grant an amendment to the waiver of the requirement of a formal land development application to **Family Dining, Inc.** (Burger King) for the property located at 560 DeKalb Pike, to provide the addition of a 10 foot wide drive-thru bypass lane as more fully detailed on the plans listed on Exhibit "A" attached hereto and made part hereof and further grant the **waiver conditioned upon** the following being satisfied by the Applicant:

- Fulfilling all obligations and requirements of the comments of Gilmore & Associates, Inc. letter dated October 20, 2015; Traffic Planning & Design, Inc. letter dated October 28, 2015; and Boucher & James letter dated October 28, 2015.
- All conditions of Approval Resolution #3, approved by the Board of Supervisors on June 22, 2015, shall remain in full effect.
- The Applicant shall be responsible for payment of all Township Consultant and Solicitor fees related to this project.
- 4. All future development of this parcel shall be subject to new application and approval by the Board of Supervisors.
- All signage must meet Zoning Code requirements.
- The required PennDOT permit(s) must be issued prior to Certificate of Occupancy inspection.

This Resolution shall become effective on the date upon which all of the above stated conditions are accepted by the Applicant in writing. If, for any reason, the Applicant fails to acknowledge the acceptance of the conditions contained in this Resolution within ten (10) days from the date of this Resolution, then the Preliminary/Final Plan approval granted herein shall become null and void, any waivers requested shall be deemed denied, and the plan shall be denied for failure to comply with Sections of the Township Zoning Ordinance and/or Township Subdivision and Land Development Ordinance for the reasons cited herein or as set forth in the letters referenced herein.

#### Resolution #

Page 2 of 2

DULY PRESENTED AND ADOPTED by the Board of Supervisors of Montgomery Township, Montgomery County, Pennsylvania, at a public meeting held this 9th day of November, 2015.

MOTION BY:		
SECOND BY:	VOTE:	
The above conditions are agreed to by _	(Drint)	
	(Print)	
representing Family Dining, Inc. this	day of	, 2015.
App	olicant	

xc: Applicant, F. Bartle, R. Dunlevy, B. Shoupe, M. Stoerrle, K. Johnson, J. Stern-Goldstein, MCPC, Minute Book, Resolution File, File

#### EXHIBIT "A"

#### **PLANS-STUDIES**

DESCRIPTION	ORIGINAL DATE	REVISED DATE
Site Improvement Plan	1-30-15	9-25-15
2. Site Grading Plan	1-30-15	9-25-15
<ol><li>Construction Details Plan</li></ol>	1-30-15	9-25-15



3701 Corporate Parkway, Suite 200 Center Valley, PA 18034 PHONE 610.709.9971 FAX 610.709.9976

October 20, 2015 Via: FedEx

Montgomery Township 1001 Stump Road Montgomeryville, PA 18936

Attention: Bruce Shoupe, Director of Planning and Zoning

OCT 21 2015

Re:

Proposed Burger King Expansion
Dekalb Pike & Bethlehem Pike
Montgomery Township
Montgomery County, PA
PY150785

Dear Mr. Shoupe:

On behalf of Family Dining, Inc., Bohler Engineering is hereby submitting for the following items in regards to the above referenced project:

- One (1) copy of the completed Consultant Escrow Fee Agreement.
- Five (5) copies of the Site Improvement Plans, dated 01/21/15, last revised 9/25/15, Sheets C-1 C-3.
- One (1) CD containing a PDF of the Site Improvement Plans.

The plans submitted with this letter incorporate a drive-thru bypass lane in order to improve drive-thru operations and safety at this facility. As shown on the plans, the resulting impervious coverage associated with all site improvements is a net decrease of 147 SF. On behalf of Family Dining, Inc., Bohler Engineering PA, LLC is requesting that the attached plans be considered an amendment to the Land Development waiver that was previously approved by the Township for this project.

Thank you for your assistance and should you have any questions or require additional information, please do not hesitate to contact me at this office.

Sincerely,

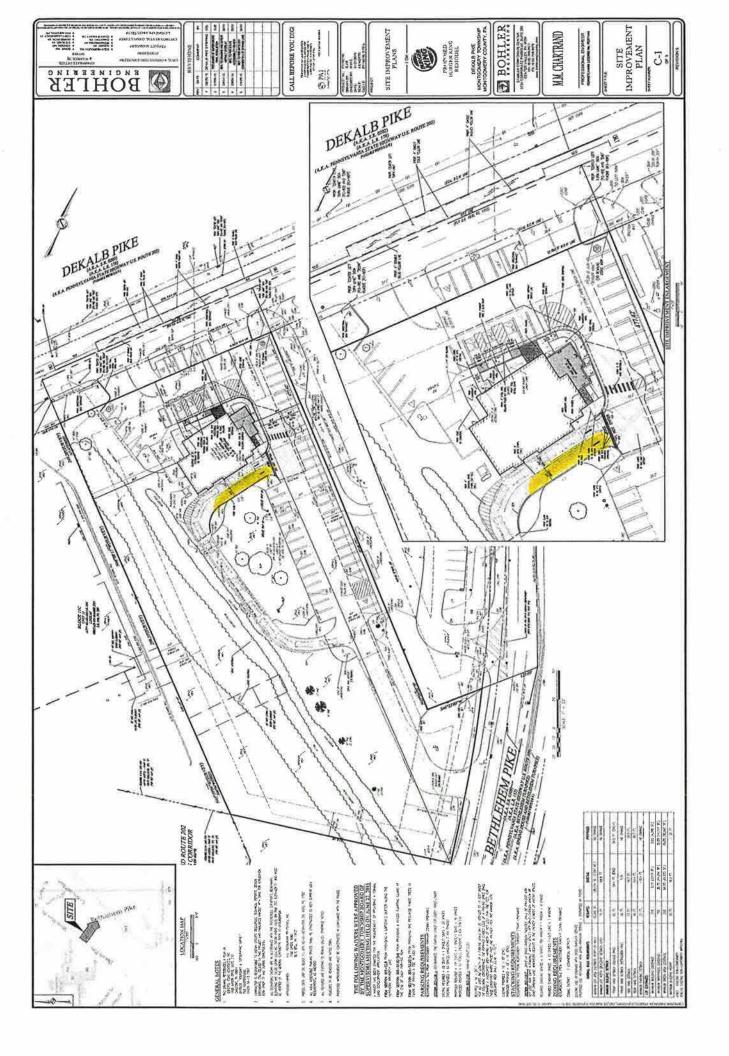
**BOHLER ENGINEERING** 

Matthew Chartrand, P.E.

MMC/sw

Cc: Greg Winans, US Restaurants

bohlereng PANZURA PA-PROJECTS 15 PY 150785 Correspondence PY 150785 2015-10-20-L (Twp).doc



## TRAFFIC PLANNING AND DESIGN, INC.

2500 E. High Street | Suite 650 | Pottstown, PA | 19464 610.326.3100 TPD@TrafficPD.com

October 28, 2015

Mr. Bruce S. Shoupe Township Director of Planning and Zoning Montgomery Township 1001 Stump Road Montgomeryville, PA 18936-9605

Re: Proposed Burger King Expansion

Amended Waiver of Land Development Request

TPD# MOTO-A-00093

#### Dear Bruce:

In our role as Township Traffic/Street Lighting Engineer, Traffic Planning and Design, Inc. (TPD) has reviewed the Site Improvement Plans for the above referenced project, prepared by Bohler Engineering and dated January 21, 2015, last revised September 25, 2015.

The plans have been amended to remove a drive-through canopy and provide a 10 foot wide bypass lane. With the revision made to the plans to provide a single exiting lane at the drivethrough, TPD concurs with the design of the by-pass lane.

Additionally, TPD has reviewed the revised traffic signal permit plans for the intersections of DeKalb Pike and Montgomery Mall and DeKalb Pike and Bethlehem Pike. The revisions are found to be consistent with the left turn lane striping modifications proposed along DeKalb Pike. Upon satisfactorily addressing all PennDOT comments, the Applicant should provide a mylar copy of the traffic signal permit plan for signature by Montgomery Township.

We reserve the right to make additional comments as additional information is submitted. Please call if you have any questions.

Sincerely,

Kevin L. Johnson, P.E.

President

Larry Gregan, Township Manager cc:

> Marita Stoerrle, Township Development Coordinator Kevin Costello, Township Public Works Director

Russ Dunlevy, P.E., Township Engineer

Matthew Chartrand, P.E. – Bohler Engineering

Joseph Platt, P.E., TPD



October 20, 2015

File No. 2015-03010

Bruce S. Shoupe, Director of Planning and Zoning Montgomery Township 1001 Stump Road Montgomeryville, PA 18936-9605

Reference:

Burger King Restaurant Expansion - Land Development Waiver Request - #M-15-72

560 Dekalb Pike, Montgomery Township, PA

Tax Parcel #: 46-00-00796-00-4

Dear Bruce:

Pursuant to your request, Gilmore & Associates, Inc. has reviewed the following materials associated with an amended Land Development Waiver request for the above-referenced project and offers the following comments for consideration by the Montgomery Township Board of Supervisors:

- A. Comment Response letter prepared by Bohler Engineering, dated October 20, 2015
- B. Site Improvement Plans, Sheets C-1 to C-3 of 3, as prepared by Bohler Engineering, dated January 21, 2015, last revised September 25, 2015

The plan was amended to include a bypass lane at the drive through. Upon review of the amended plan, it appears to comply with the Township Zoning, Subdivision and Land Development Ordinance, and Stormwater Management Ordinances.

If you have any questions regarding the above, please contact this office.

Douglith

Sincerely.

James P. Dougherty, P.E. Senior Project Engineer Township Engineers

JPD/nm/sl

Enclosure

cc: Lawrence J. Gregan, Manager – Montgomery Township
Marita A. Stoerrle, Development Coordinator – Montgomery Township
Marianne McConnell, Deputy Zoning Officer – Montgomery Township
Ken Amey, AICP – Montgomery Township
Frank R. Bartle, Esq., Solicitor – Dischell Bartle & Dooley, PC
Kevin Johnson, P.E. – Traffic Planning & Design, Inc.
Judith Stern Goldstein, ASLA, R.L.A. – Boucher & James, Inc.
Greg Winans, Applicant – US Restaurants
Matthew Chartrand, P.E. – Bohler Engineering
Russell S. Dunlevy, P.E., Executive Vice President – Gilmore & Associates, Inc.



AN EMPLOYEE OWNED COMPANY

#### INNOVATIVE ENGINEERING

October 28, 2015

Lawrence Gregan, Township Manager Montgomery Township 1001 Stump Road Montgomeryville, PA 18936

Fountainville Professional Building 1456 Ferry Road, Building 500 Doylestown, PA 18901 215-345-9400 Fax 215-345-9401

2738 Rimrock Drive Stroudsburg, PA 18360 570-629-0300 Fax 570-629-0306

559 Main Street, Suite 230 Bethlehem PA 18018 610-419-9407 Fax 610-419-9408

www.bjengineers.com

SUBJECT:

BURGER KING EXPANSION

AMENDED WAIVER OF LAND DEVELOPMENT REQUEST

TOWNSHIP NO. M-15-72 PROJECT NO. 1555291R

Dear Mr. Gregan:

Please be advised that we have reviewed the Site Improvement Plans for the proposed Burger King expansion, prepared by Bohler Engineering, and dated January 21, 2015, last revised September 25, 2015. The site is located on DeKalb Pike approximately 400' south of the intersection of DeKalb Pike and Bethlehem Pike.

The site currently contains a 3,910 SF Burger King with associated parking and drive-through facilities. On June 22, 2015 at their regularly scheduled meeting, the Montgomery Township Board of Supervisors granted a Waiver of Land Development for a proposed 510 SF addition, the removal of a 32 SF vestibule, parking lot modifications to relocate/add ADA parking spaces and a ramp, and an expansion of the north side of the building pad to accommodate the proposed building expansion and a set of stairs.

The amendment proposes the addition of a drive-thru bypass lane. The site is located within the C Commercial Zoning District.

It does not appear that there are any landscaping issues pertinent to the amended plans. Please feel free to contact us if you should have any questions or comments.

Sincerely,

Judith Stern Goldstein, ASLA, R.L.A.

Managing Director

JSG/vll/kam

Board of Supervisors cc:

Planning Commission

Bruce Shoupe, Director of Planning and Zoning Marita Stoerrle, Development Coordinator Marianne McConnell, Deputy Zoning Officer

James P. Dougherty, P.E., Gilmore & Associates, Inc. Kevin Johnson, P.E., Traffic Planning & Design

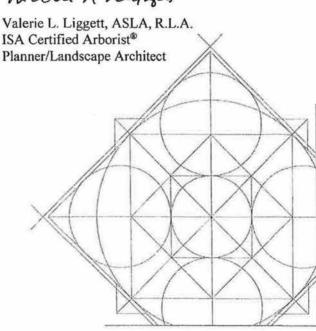
Ken Amey, AICP

Greg Winans, US Restaurants

Matthew Chartrand, P.E.

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Value & heasett



#### MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS BOARD ACTION SUMMARY

SUBJECT:

Consider Authorization to Submit Applications - Traffic Signal Upgrades

DeKalb Pike (SR 2202) and Bethlehem Pike (SR 309) - File # 64-1056 DeKalb Pike (SR 2202) and Montgomery Mall Access Driveway - # 64-1985

MEETING DATE:

November 9, 2015

ITEM NUMBER: #12.

MEETING/AGENDA:

ACTION XX

NONE

REASON FOR CONSIDERATION: Operational: XX Policy:

Information:

INITIATED BY:

Lawrence J. Gregan

BOARD LIAISON: Robert J. Birch, Supervisor

Township Manager

Liaison - Public Safety Committee

Discussion:

#### BACKGROUND:

As a condition of Pennsylvania Department of Transportation approval of the Highway Occupancy Permit for the proposed playground area addition at the Burger King Restaurant property on DeKalb Pike, the applicant is required to perform traffic turn lane improvements on DeKalb Pike.

The improvements on DeKalb Pike in front of the Burger King Restaurant reflect the reduction on the left turn land length for the eastbound approach and the addition of a two-way center turn lane with signage.

The improvements on DeKalb Pike are located between the above two intersections requiring that the revisions to both traffic signal permit 64-1056 and 64-1985 be submitted and approved by Pennsylvania Department of Transportation.

The revisions have been reviewed by the Township Traffic Engineer and recommended for approval.

#### ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

ALTERNATIVES/OPTIONS:

None.

#### **BUDGET IMPACT:**

The costs for upgrading these traffic signals are the responsibility of the developer and will be included in the Escrow funds posted to guarantee the completion of the on site development improvements.

#### RECOMMENDATION:

Adopt the attached Resolutions authorizing the Township Manager to submit applications to the Pennsylvania Department of Transportation for traffic signal improvements involving the "reduction on the left turn land length for the eastbound approach and the addition of a two-way center turn lane with signage" on DeKalb Pike between the intersections of DeKalb Pike and Bethlehem Pike and DeKalb Pike and the Montgomery Mall Access Driveway.

#### MOTION/RESOLUTION:

BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby adopt a Resolution authorizing the Township Manager to submit applications to the Pennsylvania Department of Transportation for traffic signal improvements involving "reduction on the left turn land length for the eastbound approach and the addition of a two-way center turn lane with signage" on DeKalb Pike between the intersections of DeKalb Pike and Bethlehem Pike and DeKalb Pike (file #64-1056) and the Montgomery Mall Access Driveway (file #64-1985).

SECOND: _			
Aye	Opposed	Abstain	Absent
Aye	Opposed	Abstain	Absent
Aye	Opposed	Abstain	Absent
Aye	Opposed	Abstain	Absent
Aye	Opposed	Abstain	Absent
	Aye Aye Aye Aye	Aye Opposed Aye Opposed Aye Opposed Aye Opposed Aye Opposed	Aye Opposed Abstain Aye Opposed Abstain Aye Opposed Abstain Aye Opposed Abstain

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

#### RESOLUTION

BE IT RESOLVED, by authority of the <u>Board of Supervisors</u> of the <u>Township of</u>

<u>Montgomery</u>, <u>Montgomery County</u>, and it is hereby resolved by authority of the same, that the

<u>Township Manager/Secretary</u> of said MUNICIPALITY is authorized and directed to submit the attached Applications for Traffic Signal Approval to the Pennsylvania Department of

Transportation and to sign these Applications on behalf of the MUNICIPALITY.

ATTEST	MONTGOMERY TOWNSHIP
	By:
(Signature and designation of official title)	(Signature and designation of official title)
Lawrence J. Gregan, Secretary	Michael J. Fox, Chairman
Print or type above name and title	Print or type above name and title
(SEAL)	
I, Lawrence J. Gregan, Townshi	ip Manager/Secretary of the Board of Supervi
Montgomery Township, do hereby certif	y that the foregoing is a true and correct copy of
Resolution adopted at a regular meeting of	f the Board of Supervisors of Montgomery
Township, held the 9th day of November	<u>er</u> , 2015.
DATE: November 9, 2015	
	(Signature and designation of official title)
	Lawrence J. Gregan,
	Township Manager/Secretary
	Print or type above name/title

#### Application for Traffic Signal Approval

Please Type or Print all information in Blue or Black Ink



## Sheet 1 of 5 DEPARTMENT USE ONLY

County:	
Engineering District :	
Department Tracking # :	
Initial Submission Date :	

A - Applicant's (Municipal) Contact Informa	tion			
Municipal Contact's Name : Larry Gregan		Title : Township Manager		
Municipal Name: Montgomery Township				
Municipal Address : 1001 Stump Road, Mon	tgomeryville, PA 18936			
Municipal Phone Number: 215-393-6920	Alternative	Phone Number :		
E-mail Address : Igregan@montgomerytwp.	org			
Municipal Hours of Operation :8:30a - 4:30	0			
B - Application Description	1012/37/33/102			
The state of the s				
Location (intersection) : Dekalb Pike (SR 220	2) and Montgomeryville Mall Drive	way		
Traffic Control Device is : NEW Traf	fic Signal X EXISTING Traffic Si	ignal (Permit Number): 64-1985		
Type of Device (select one)  Traffic Co	ntrol Signal Flashing E fection 4D, 4E, 4G) (MUTCD S	Seacon School Warning System (MUTCD Section 7B)		
Cther:				
Is Traffic Signal part of a system?: X YES NO System Number (if applicable): I-0185  If YES, provide locations of all signalized intersections in system.  IUS202 & Connector A (File#3657); US202 & Knapp Road (File#3656); US202 & Welsh Road (File#30702); DeKalb Pike & US202 (File#3701); DeKalb Pike & Hancock Road (File#2352); DeKalb Pike & Welsh Road (File#1057); Welsh Road & Stump Road (File#3039); Knapp Road & Witchwood Drive (File#3661); DeKalb Pike & Montgomery Mall/Courtyard Access (File#1985); DeKalb Pike & Cheswick Drive (File#3394); DeKalb Pike & Knapp Road (File#2541); DeKalb Pike & Gwynmont Drive (File#3140)  Explain the proposed improvements:  Addition of a two-way center left turn lane with signage to DeKalb Pike (SR 2202). Minor updates also incorporated to reflect existing and proposed conditions along Burger King frontage.  Associated with Highway Occupancy Permit (HOP)?: X YES NO If YES, HOP Application #: 91700  C-Maintenance and Operation Information  Maintenance and Operations are typically performed by?:				
	icipal Contractor  Municipal	al Personnel & Contractor		
Other:				
Maintenance and Operations Contact Name	11	Company/Organization :		
Phone #:	Alternative Phone # :	E-mail :		
D - Attachments Listing				
Municipal Resolution (required)	Location Map	Traffic Volumes / Pedestrian Volumes		
Letter of Financial Commitment	Photographs	Turn Lane Analysis		
▼ Traffic Signal Permit	Straight Line Diagram	Turn Restriction Studies		
☐ Warrant Analysis	Capacity Analysis	Other:		
Crash Analysis	Traffic Impact Study (TIS)	-		
Traffic Signal Study	Condition Diagram			

#### Application for **Traffic Signal Approval**

Please Type or Print all information in Blue or Black Ink



## Sheet 2 of 5 **DEPARTMENT USE ONLY**

County:	
Engineering District :	
Department Tracking # :	
nitial Submission Date :	

#### E - Applicant (Municipal) Certification

The applicant desires to own, operate, and maintain the traffic control device in the location indicated above; and the Vehicle Code requires the approval of the Department of Transportation ("Department") before any traffic signals may be legally erected or modified. A signed Application for Traffic Signal Approval (TE-160) must be submitted in conformance with the instructions provided by the Department, and a Traffic Signal Permit must be issued, before any work can begin.

If the Department approves a traffic signal after a traffic engineering study and engineering judgment indicates the need, the traffic signal shall be installed, owned, operated, and maintained within the parameters indicated in the Vehicle Code and the Department's regulations relating to traffic signs, signals, and markings. The Department may direct appropriate alterations to the design or operation (including, but not limited to, hours of operation) of the traffic signal, or require removal of the traffic signal, if traffic conditions or other considerations necessitate alteration or removal.

All items associated with the traffic control device (geometric features, signs, signals, pavement markings, pedestrian accommodations, and other traffic control device associated items) are the applicant's responsibility. The Traffic Signal Permit will then document all of the items associated with operation of each traffic control device. The applicant, at its sole expense, shall provide the necessary inspection, maintenance, and operation activities in conformance with the Department's Publication 191 or as otherwise agreed to by the Department. The applicant shall perform the preventative and responsive maintenance requirements and recordkeeping in accordance with the exhibits specified below. If the applicant fails to provide the required inspection, maintenance, or operation services within thirty (30) days of receipt of written notice from the Department, the Department shall have the right to perform the required inspection, maintenance, or operation services in the applicant's stead and the applicant shall reimburse the Department for all costs incurred. Federal- and/or state-aid participation may be withheld on all future projects if the applicant fails to demonstrate to the Department the ability to provide all required maintenance and operation services. The applicant certifies that it has funds available and committed for the operation and maintenance of the traffic control device and that it will make available sufficient funds for all required future inspection, maintenance, and operation activities.

The applicant shall indemnify, save harmless and, defend (if requested) the Commonwealth of Pennsylvania, its agents, representatives, and employees from and against any damages recoverable under the Sovereign Immunity Act, 42 Pa. C.S. §§ 8521-8528, up to the limitations on damages under said law, arising out of any personal injury or damage to property which is finally determined by a court to be caused by or result from acts or omissions of the applicant and for which a court has held applicant, its officials, or employees to be liable. This provision shall not be construed to limit the applicant in asserting any rights or defenses. Additionally, the applicant shall include in any contracts into which it enters for maintenance, operation, or inspection of the traffic control device this same obligation to indemnify the Commonwealth and its officers, agents, and employees; and it shall require its contractor(s) to provide public liability insurance coverage, naming the Commonwealth and the applicant as additional insureds for bodily injury, including death and property damage, in the minimum amounts of \$500,000 per person, \$1,000,000 per occurrence, it being the intention of parties to have the contractor fully insure and indemnify the Commonwealth and the applicant.

The applicant shall comply with the study and ordinance requirements of 75 Pa. C.S. § 6109. The applicant submits this application with the intention of being legally bound.

Neither this application nor any Traffic Signal Permit creates any rights or obligations with respect to parties other than the applicant and the Department. Third parties may not rely upon any representations made by either the applicant or the Department in connection with the submission or approval of this application or any work permitted or approved that is related to this application, as regards either payment of funds or performance of any particular item of maintenance precisely as specified.

The applicant agrees to comply with the attached Exhibits:

- Exhibit "A": Preventative and Response Maintenance Requirements (Sheet 3 of 5)
- · Exhibit "B": Recordkeeping (Sheet 4 of 5)
- Exhibit "C": Signal Maintenance Organization (Sheet 5 of 5)

Printed Municipal Contact Name :	Date :	
Signed By :	Witness or Attest :	
Title of Signatory :	Title of Witness or Attester:	70
-		

#### Exhibit "A":

Preventative and Response Maintenance Requirements



Sheet 3 of 5
DEPARTMENT USE ONLY

County:	
Engineering District :	
Department Tracking # :	
Initial Submission Date :	

#### Preventive Maintenance

The APPLICANT or its contractor will provide preventive maintenance for each individual component of the traffic signal installation covered by this application at intervals not less than those indicated in the Preventive Maintenance Summary, PA DOT Publication 191, current version. This is the recommended level of maintenance to keep the intersection control equipment and signals in mechanically, structurally and aesthetically good condition.

#### Response Maintenance

The APPLICANT or its contractor will provide response maintenance in accordance with the provisions of the Response Maintenance Schedule. It encompasses the work necessary to restore a traffic signal system to proper and safe operation. Includes Emergency Repair and Final Repair.

#### FINAL REPAIR:

Repair or replace failed equipment to restore system to proper and safe operation in accordance with permit within a 24-hour period.

#### **EMERGENCY REPAIR:**

Use alternative means or mode to temporarily restore system to safe operation within a 24-hour period. Final repair must then be completed within 30 days unless prohibited by weather conditions or availability of equipment.

#### Response Maintenance Schedule

# KNOCKDOWNS TYPE OF REPAIR PERMITTED Support - Mast arm Support - Strain pole Span wire/tether wire Pedestal Cabinet Signal heads Emergency of Final Final Only Emergency or Final Emergency of Final Final Only

Final Only

Final Only

#### **EQUIPMENT FAILURE**

Traffic Signal Systems

Lamp burnout (veh. & ped.)

Local controller	Emergency or Final
Master controller	Emergency or Final
Detector sensor	
- Loop	Emergency or Final
- Magnetometer	Emergency or Final
- Sonic	Emergency or Final
- Magnetic	<b>Emergency or Final</b>
- Pushbutton	<b>Emergency or Final</b>
Detector amplifier	Emergency or Final
Conflict monitor	Final Only
Flasher	Final Only
Time clock	Emergency or Final
Load switch/relay	Final Only
Coordination unit	Emergency or Final
Communication interface, mode	Emergency or Final
Signal cable	Final Only
Traffic Signal Communications	Final Only

## Exhibit "B": Recordkeeping



### Sheet 4 of 5 DEPARTMENT USE ONLY

County:	
Engineering District :	
Department Tracking # :	
Initial Submission Date :	

#### Recordkeeping

Accurate and up-to-date recordkeeping is an essential component of a good traffic signal maintenance program. In recognition of this fact, the APPLICANT must prepare, retain, and make available to the COMMONWEALTH, on request, a record of all preventive and response maintenance activities performed on the traffic signal equipment covered by this application.

The APPLICANT shall establish a separate file for each installation and keep its records in the municipal building, signal maintenance shop, or other weather-protected enclosure.

At a minimum, the following records will be kept by the APPLICANT or its contractor for each traffic signal. These forms can be found in Section 10.0, Maintenance Record Forms, PA DOT Publication 191, current version.

#### FORM 1 - Master Intersection Record

This form, which lists all maintenance functions performed at the intersection, should be updated within one day of the activity but no more than one week later.

#### FORM 2 - Response Maintenance Record

Each time response maintenance is required at the intersection, this form is to be completed. Once the pertinent information is transferred to the master intersection record, this form is to be placed in the intersection file.

#### FORM 3 - Preventive Maintenance Record

This form will be used to provide a record of the preventive maintenance activities performed at each intersection. The date, the activities performed, and the signature of the person in charge of the work must be recorded in the form.

This form may be kept at the intersection, if it is adequately protected from the weather. Form 1 must be updated at the central file, however, to reflect the date and activity.

#### Exhibit "C": Signal Maintenance Organization



DEPARTIVIENT USE UNLT	
County:	
Engineering District :	
Department Tracking # :	
Initial Submission Date :	

Sheet 5 of 5

#### Personnel Classifications

In order to properly maintain the traffic signal equipment covered by this applicant, the APPLICANT agrees to provide, as minimum, the following staff throughout the useful life of equipment. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191.

<u>Traffic Engineer</u> - The administrative position which has prime responsibility for the proper operation of traffic signal equipment. The principal function of this position is the supervision and control of subordinate personnel and the planning of their activities to ensure adequate preventive and response maintenance programs.

#### Minimum Position Requirements

- A thorough understanding of traffic signal design, installation and maintenance.
- A working knowledge of the interaction between the following traffic characteristics: Intersection geometry, traffic flow theory, control type (fixed time, actuated, etc.), signal phasing and timing, and interconnection.
- 3. An ability to supervise subordinate personnel effectively in the assignment of their work.
- 4. Possession of a college degree in engineering, which includes course work in traffic engineering.
- 5. Either four years experience in the field of traffic engineering or its equivalent in graduate college work.

<u>Signal Specialist</u> - The individual responsible for the diagnostics and repair of all traffic signal equipment including solid state equipment.

#### Minimum Position Requirements

- Extensive training and troubleshooting skills in electronics and software.
- 2. Ability to repair modules in the shop and to design test equipment needed to diagnose and repair a problem.
- 3. Ability to make design and modifications to implement or omit special functions.
- 4. Ability to implement a recordkeeping system to include maintenance activities, inventory control and identification of recurring problems.
- 5. Ability to perform all tasks required of a signal technician.

Signal Technician - Individual responsible for the operation and maintenance of traffic signals and electromechanical equipment.

#### Minimum Position Requirements

- Ability to perform response maintenance on solid state equipment up to the device exchange level.
- Capability to diagnose a vehicle loop failure and initiate corrective action.
- 3. Ability to tune detector amplifiers.
- 4. Ability to follow wiring schematics, check and set timings from plan sheet and check all field connections.
- 5. Ability to perform preventive maintenance on all equipment and to maintain accurate records of all work perform,

#### Training

The APPLICANT agrees to secure training in order to upgrade the ability of its present staff to properly perform the required maintenance functions. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191.

#### **Budget Requirements**

The APPLICANT agrees to provide, in its annual operating budget, dedicated funds which are sufficient to cover the cost of the personnel, training, contractors (if utilized) and specialized maintenance equipment which are required, by virtue of this application. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191..

## **Application Instructions**



#### A - Applicant's (Municipal) Contact Information

Municipal Contact's Name: Provide the municipal contact name that is (or will be responsible) for the traffic signal. Typically this is either the Municipal Manager or Roadmaster.

Title: Provide the title of the municipal contact name.

Municipal Name: Provide the official municipal name.

Municipal Address: Provide the full address of the municipal building.

Municipal Phone Number: Provide the municipal phone number of the municipal contact.

Alternative Phone Number: Provide an alternative phone number of the municipal contact.

E-mail Address: Provide the e-mail address of the municipal contact.

Municipal Hours of Operation: Please provide the municipalities normal operating hours (i.e. Monday-Thursday 9 AM - 2 PM)

#### **B** - Application Description

Location (intersection): Please provide a detailed location of the device or devices being considered for approval.

Please include any State Route and/or local road names in your description.

Traffic Control Device is: (Please select one of the two following categories)

**NEW** Traffic Signal: This item should be selected when requesting approval of a traffic signal that is currently not in operation at the device location indicated above.

EXISTING Traffic Signal: This item should be selected when requesting approval to make a modification or update to an existing traffic signal.

(Permit Number): Please provide the traffic signal permit number.

Type of Device (select one): (Please select one of the four following categories)

<u>Traffic Control Signal:</u> As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Sections 4D, 4E, and 4G. When selecting this category this is the typical red/yellow/green and pedestrian signal indications

Flashing Beacon: As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Section 4L. When selecting this category, this is typically either the flashing yellow/red signal at an intersection and/or the flashing yellow warning sign.

School Warning System: As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Section 7B. When selecting this category, this is typically the flashing school warning sign with a 15 mph indication.

Other: When selecting this category, this pertains to all other permitted electrically powered traffic control devices approved by the Department.

Is Traffic Signal part of a system?: Check off the appropriate box, either YES or NO. If YES, please fill in the System Number (if applicable): line.

**Explain the proposed improvements:** Provide a description of the proposed improvements to the intersection. This may be as complex as installing and/or upgrading a traffic signal or as non-complex as placement of a new traffic sign to supplement an existing traffic signal. **Associated with Highway Occupancy Permit (HOP)?:** Check off the appropriate box, either YES or NO. If YES, please fill in the **Application #:** line.

#### C - Maintenance and Operation Information

Maintenance and Operations are typically performed by?: Please indicate if maintenance and operation will be performed by Municipal Personnel or through Contract Services.

Maintenance and Operations Contact Name: Provide the primary maintenance contact name for the individual that is (or will be responsible) for the maintenance and operation of the traffic signal.

Company/Organization: Provide the name of the company/organization with which the primary maintenance contact is affiliated.

Phone #: Provide the phone number for the primary maintenance contact.

Alternative Phone #: Provide an alternative phone number for the primary maintenance contact or affiliated company/organization.

E-mail: Provide the e-mail address for the primary maintenance contact.

#### D - Attachments Listing

Check off all documents which will be submitted along with this application. Note that a Municipal Resolution, authorizing the municipal contact to submit and sign the application, is a required document.

A sample Municipal Resolution has been provided on the next page.

#### E - Applicant (Municipal) Certification

Printed Municipal Contact Name: Please print the name of the municipal contact person signing the application.

Date: Please provide the date on which the application was signed.

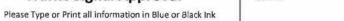
Signed By: Please provide the signature of the named municipal contact.

Title of Signatory: Please provide the title of municipal contact.

Witness or Attest: Please provide the signature of the person witnessing or attesting the signature.

Witness or Attester: Please provide the title of the person witnessing or attesting the signature.

#### **Application for Traffic Signal Approval**





of 5	
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DEPARTMENT USE UNLT	
County :	
Engineering District :	
Department Tracking # :	
Initial Submission Date :	

A - Applicant's (Municipal) Contact Informa	111011	
Municipal Contact's Name : Larry Gregan		Title : Township Manager
Municipal Name: Montgomery Township		
Municipal Address : 1001 Stump Road, Mon	ntgomeryville, PA 18936	
Municipal Phone Number : 215-393-6920	Alternativ	re Phone Number :
E-mail Address : Igregan@montgomerytwp.	org	
Municipal Hours of Operation: 8:30a - 4:30	p	
B - Application Description		
Location (intersection) : Dekalb Pike (SR 220	02) and Bethlehem Pike (SR 0309)	
Traffic Control Device is : NEW Trat	ffic Signal 💢 <b>EXISTING</b> Traffic	Signal (Permit Number): 64-1056
Type of Device (select one)   ☐ Traffic Co (MUTCD:		Beacon School Warning System (MUTCD Section 7B)
☐ Other:		# 50 To 10 T
Is Traffic Signal part of a system? : X YI If YES, provide locations of all signalized in	TO SEC	Number (if applicable) : I-0011
(File#3004); SR309 & Garden Golf Blvd (File#3367);	SR309 & Dekalb Pike/Upper State Rd (F 9 & Horsham Rd/Dekalb Pk (File#0197);	File#1618); SR309 & Stump Rd (File#0429); SR309 & Knapp Rd File #1056); SR309 & Mall Dr S (File #1984); SR309 & Mall Dr. N Welsh Rd & Lower State Rd (File#2040); Welsh Rd & Gwynedd
Explain the proposed improvements :		
Reduction in left turn lane length for Dekalt signage. Minor updates also incorporated to	2,010	ch and addition of a two-way center left turn lane with nditions along Burger King frontage.
Associated with Highway Occupancy Perm	it (HOP)?: 💢 YES 🦳 NO	If YES, HOP Application #: 91700
C - Maintenance and Operation Informatio	n	The state of the s
Maintenance and Operations are typically  Municipal Personnel  Other:	for was a fire to the same way	pal Personnel & Contractor
Maintenance and Operations Contact Nam	e:	Company/Organization :
Phone #:	Alternative Phone # :	E-mail :
D - Attachments Listing		
Municipal Resolution (required)	Location Map	Traffic Volumes / Pedestrian Volumes
Letter of Financial Commitment	Photographs	Turn Lane Analysis
▼ Traffic Signal Permit	Straight Line Diagram	Turn Restriction Studies
Warrant Analysis	Capacity Analysis	Other:
Crash Analysis	☐ Traffic Impact Study (TIS)	
Traffic Signal Study	Condition Diagram	

#### Application for Traffic Signal Approval

Please Type or Print all information in Blue or Black Ink



#### Sheet 2 of 5 DEPARTMENT USE ONLY

County:	
Engineering District :	
Department Tracking # :	
Initial Submission Date :	

#### E - Applicant (Municipal) Certification

The applicant desires to own, operate, and maintain the traffic control device in the location indicated above; and the Vehicle Code requires the approval of the Department of Transportation ("Department") before any traffic signals may be legally erected or modified. A signed Application for Traffic Signal Approval (TE-160) must be submitted in conformance with the instructions provided by the Department, and a Traffic Signal Permit must be issued, before any work can begin.

If the Department approves a traffic signal after a traffic engineering study and engineering judgment indicates the need, the traffic signal shall be installed, owned, operated, and maintained within the parameters indicated in the Vehicle Code and the Department's regulations relating to traffic signs, signals, and markings. The Department may direct appropriate alterations to the design or operation (including, but not limited to, hours of operation) of the traffic signal, or require removal of the traffic signal, if traffic conditions or other considerations necessitate alteration or removal.

All items associated with the traffic control device (geometric features, signs, signals, pavement markings, pedestrian accommodations, and other traffic control device associated items) are the applicant's responsibility. The Traffic Signal Permit will then document all of the items associated with operation of each traffic control device. The applicant, at its sole expense, shall provide the necessary inspection, maintenance, and operation activities in conformance with the Department's Publication 191 or as otherwise agreed to by the Department. The applicant shall perform the preventative and responsive maintenance requirements and recordkeeping in accordance with the exhibits specified below. If the applicant fails to provide the required inspection, maintenance, or operation services within thirty (30) days of receipt of written notice from the Department, the Department shall have the right to perform the required inspection, maintenance, or operation services in the applicant's stead and the applicant shall reimburse the Department for all costs incurred. Federal- and/or state-aid participation may be withheld on all future projects if the applicant fails to demonstrate to the Department the ability to provide all required maintenance and operation services. The applicant certifies that it has funds available and committed for the operation and maintenance of the traffic control device and that it will make available sufficient funds for all required future inspection, maintenance, and operation activities.

The applicant shall indemnify, save harmless and, defend (if requested) the Commonwealth of Pennsylvania, its agents, representatives, and employees from and against any damages recoverable under the Sovereign Immunity Act, 42 Pa. C.S. §§ 8521-8528, up to the limitations on damages under said law, arising out of any personal injury or damage to property which is finally determined by a court to be caused by or result from acts or omissions of the applicant and for which a court has held applicant, its officials, or employees to be liable. This provision shall not be construed to limit the applicant in asserting any rights or defenses. Additionally, the applicant shall include in any contracts into which it enters for maintenance, operation, or inspection of the traffic control device this same obligation to indemnify the Commonwealth and its officers, agents, and employees; and it shall require its contractor(s) to provide public liability insurance coverage, naming the Commonwealth and the applicant as additional insureds for bodily injury, including death and property damage, in the minimum amounts of \$500,000 per person, \$1,000,000 per occurrence, it being the intention of parties to have the contractor fully insure and indemnify the Commonwealth and the applicant.

The applicant shall comply with the study and ordinance requirements of 75 Pa. C.S. § 6109. The applicant submits this application with the intention of being legally bound.

Neither this application nor any Traffic Signal Permit creates any rights or obligations with respect to parties other than the applicant and the Department. Third parties may not rely upon any representations made by either the applicant or the Department in connection with the submission or approval of this application or any work permitted or approved that is related to this application, as regards either payment of funds or performance of any particular item of maintenance precisely as specified.

The applicant agrees to comply with the attached Exhibits:

- Exhibit "A": Preventative and Response Maintenance Requirements (Sheet 3 of 5)
- · Exhibit "B": Recordkeeping (Sheet 4 of 5)
- · Exhibit "C": Signal Maintenance Organization (Sheet 5 of 5)

Printed Municipal Contact Name :	Date :
Signed By:	Witness or Attest :
Title of Signatory :	Title of Witness or Attester:

#### Exhibit "A":

Preventative and Response Maintenance Requirements



DEPARTMENT USE ONLY	
County:	
Engineering District :	
Department Tracking # :	
Initial Submission Date :	

Sheet 3 of 5

#### Preventive Maintenance

The APPLICANT or its contractor will provide preventive maintenance for each individual component of the traffic signal installation covered by this application at intervals not less than those indicated in the Preventive Maintenance Summary, PA DOT Publication 191, current version. This is the recommended level of maintenance to keep the intersection control equipment and signals in mechanically, structurally and aesthetically good condition.

#### Response Maintenance

The APPLICANT or its contractor will provide response maintenance in accordance with the provisions of the Response Maintenance Schedule. It encompasses the work necessary to restore a traffic signal system to proper and safe operation. Includes Emergency Repair and Final Repair.

#### **FINAL REPAIR:**

Repair or replace failed equipment to restore system to proper and safe operation in accordance with permit within a 24-hour period.

#### **EMERGENCY REPAIR:**

Use alternative means or mode to temporarily restore system to safe operation within a 24-hour period. Final repair must then be completed within 30 days unless prohibited by weather conditions or availability of equipment.

TYPE OF REPAIR PERMITTED

Emergency or Final Emergency of Final

**Emergency or Final** 

Final Only

Final Only

Final Only

#### Response Maintenance Schedule

KNOCKDOWNS

Support - Mast arm

Support - Strain pole

Communication interface, mode

Traffic Signal Communications

Traffic Signal Systems

Signal cable

#### Span wire/tether wire Final Only Pedestal **Emergency or Final** Cabinet **Emergency of Final** Signal heads Final Only **EQUIPMENT FAILURE** Lamp burnout (veh. & ped.) Final Only Local controller **Emergency or Final** Master controller Emergency or Final Detector sensor - Loop Emergency or Final - Magnetometer Emergency or Final - Sonic Emergency or Final - Magnetic Emergency or Final - Pushbutton Emergency or Final Detector amplifier **Emergency or Final** Conflict monitor Final Only Flasher Final Only Time clock **Emergency or Final** Load switch/relay Final Only Coordination unit **Emergency or Final**

TE-160 (6-12)

#### Exhibit "B": Recordkeeping



DEPARTMENT USE ONLY	
County:	
Engineering District :	
Department Tracking # :	
Initial Submission Date :	

Sheet 4 of 5

#### Recordkeeping

Accurate and up-to-date recordkeeping is an essential component of a good traffic signal maintenance program. In recognition of this fact, the APPLICANT must prepare, retain, and make available to the COMMONWEALTH, on request, a record of all preventive and response maintenance activities performed on the traffic signal equipment covered by this application.

The APPLICANT shall establish a separate file for each installation and keep its records in the municipal building, signal maintenance shop, or other weather-protected enclosure.

At a minimum, the following records will be kept by the APPLICANT or its contractor for each traffic signal. These forms can be found in Section 10.0, Maintenance Record Forms, PA DOT Publication 191, current version.

#### FORM 1 - Master Intersection Record

This form, which lists all maintenance functions performed at the intersection, should be updated within one day of the activity but no more than one week later.

#### FORM 2 - Response Maintenance Record

Each time response maintenance is required at the intersection, this form is to be completed. Once the pertinent information is transferred to the master intersection record, this form is to be placed in the intersection file.

#### FORM 3 - Preventive Maintenance Record

This form will be used to provide a record of the preventive maintenance activities performed at each intersection. The date, the activities performed, and the signature of the person in charge of the work must be recorded in the form.

This form may be kept at the intersection, if it is adequately protected from the weather. Form 1 must be updated at the central file, however, to reflect the date and activity.

# Exhibit "C": Signal Maintenance Organization



DEPARTMENT USE ONLY			
	County:		
	Engineering District :		
	Department Tracking #:		
	Initial Submission Date :		

Sheet 5 of 5

#### Personnel Classifications

In order to properly maintain the traffic signal equipment covered by this applicant, the APPLICANT agrees to provide, as minimum, the following staff throughout the useful life of equipment. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191.

<u>Traffic Engineer</u> - The administrative position which has prime responsibility for the proper operation of traffic signal equipment. The principal function of this position is the supervision and control of subordinate personnel and the planning of their activities to ensure adequate preventive and response maintenance programs.

#### Minimum Position Requirements

- 1. A thorough understanding of traffic signal design, installation and maintenance.
- A working knowledge of the interaction between the following traffic characteristics: Intersection geometry, traffic flow theory, control type (fixed time, actuated, etc.), signal phasing and timing, and interconnection.
- 3. An ability to supervise subordinate personnel effectively in the assignment of their work.
- 4. Possession of a college degree in engineering, which includes course work in traffic engineering.
- 5. Either four years experience in the field of traffic engineering or its equivalent in graduate college work.

<u>Signal Specialist</u> - The individual responsible for the diagnostics and repair of all traffic signal equipment including solid state equipment.

#### Minimum Position Requirements

- 1. Extensive training and troubleshooting skills in electronics and software.
- 2. Ability to repair modules in the shop and to design test equipment needed to diagnose and repair a problem.
- Ability to make design and modifications to implement or omit special functions.
- 4. Ability to implement a recordkeeping system to include maintenance activities, inventory control and identification of recurring problems.
- 5. Ability to perform all tasks required of a signal technician.

Signal Technician - Individual responsible for the operation and maintenance of traffic signals and electromechanical equipment.

#### Minimum Position Requirements

- 1. Ability to perform response maintenance on solid state equipment up to the device exchange level.
- 2. Capability to diagnose a vehicle loop failure and initiate corrective action.
- 3. Ability to tune detector amplifiers.
- Ability to follow wiring schematics, check and set timings from plan sheet and check all field connections.
- 5. Ability to perform preventive maintenance on all equipment and to maintain accurate records of all work perform.

#### Training

The APPLICANT agrees to secure training in order to upgrade the ability of its present staff to properly perform the required maintenance functions. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191.

#### **Budget Requirements**

The APPLICANT agrees to provide, in its annual operating budget, dedicated funds which are sufficient to cover the cost of the personnel, training, contractors (if utilized) and specialized maintenance equipment which are required, by virtue of this application. The APPLICANT agrees to abide by all guidance provided in PA DOT Publication 191...

## Application Instructions



#### A - Applicant's (Municipal) Contact Information

Municipal Contact's Name: Provide the municipal contact name that is (or will be responsible) for the traffic signal. Typically this is either the Municipal Manager or Roadmaster.

Title: Provide the title of the municipal contact name.

Municipal Name: Provide the official municipal name.

Municipal Address: Provide the full address of the municipal building.

Municipal Phone Number: Provide the municipal phone number of the municipal contact.

Alternative Phone Number: Provide an alternative phone number of the municipal contact.

E-mail Address: Provide the e-mail address of the municipal contact.

Municipal Hours of Operation: Please provide the municipalities normal operating hours (i.e. Monday-Thursday 9 AM - 2 PM)

#### **B** - Application Description

Location (intersection): Please provide a detailed location of the device or devices being considered for approval.

Please include any State Route and/or local road names in your description.

Traffic Control Device is: (Please select one of the two following categories)

**NEW** Traffic Signal: This item should be selected when requesting approval of a traffic signal that is currently not in operation at the device location indicated above.

EXISTING Traffic Signal: This item should be selected when requesting approval to make a modification or update to an existing traffic signal.

(Permit Number): Please provide the traffic signal permit number.

Type of Device (select one): (Please select one of the four following categories)

Traffic Control Signal: As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Sections 4D, 4E, and 4G. When

selecting this category this is the typical red/yellow/green and pedestrian signal indications

<u>Flashing Beacon</u>: As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Section 4L. When selecting this category, this is typically either the flashing yellow/red signal at an intersection and/or the flashing yellow warning sign.

School Warning System: As defined in federal Manual on Uniform Traffic Control Devices (MUTCD) Section 7B. When selecting this category, this is typically the flashing school warning sign with a 15 mph indication.

Other: When selecting this category, this pertains to all other permitted electrically powered traffic control devices approved by the Department.

Is Traffic Signal part of a system?: Check off the appropriate box, either YES or NO. If YES, please fill in the System Number (if applicable): line.

**Explain the proposed improvements:** Provide a description of the proposed improvements to the intersection. This may be as complex as installing and/or upgrading a traffic signal or as non-complex as placement of a new traffic sign to supplement an existing traffic signal. **Associated with Highway Occupancy Permit (HOP)?:** Check off the appropriate box, either YES or NO. If YES, please fill in the **Application #:** line.

#### C - Maintenance and Operation Information

Maintenance and Operations are typically performed by?: Please indicate if maintenance and operation will be performed by Municipal Personnel or through Contract Services.

Maintenance and Operations Contact Name: Provide the primary maintenance contact name for the individual that is (or will be responsible) for the maintenance and operation of the traffic signal.

Company/Organization: Provide the name of the company/organization with which the primary maintenance contact is affiliated.

Phone #: Provide the phone number for the primary maintenance contact.

Alternative Phone #: Provide an alternative phone number for the primary maintenance contact or affiliated company/organization.

E-mail: Provide the e-mail address for the primary maintenance contact.

#### D - Attachments Listing

Check off all documents which will be submitted along with this application. Note that a Municipal Resolution, authorizing the municipal contact to submit and sign the application, is a required document.

A sample Municipal Resolution has been provided on the next page.

#### E - Applicant (Municipal) Certification

Printed Municipal Contact Name: Please print the name of the municipal contact person signing the application.

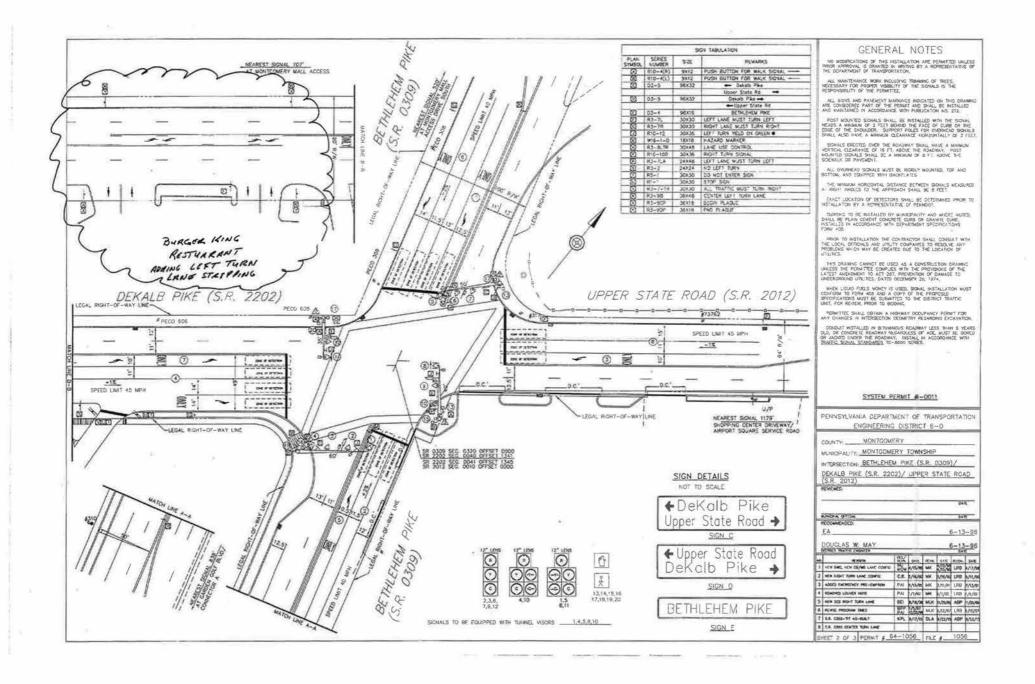
Date: Please provide the date on which the application was signed.

Signed By: Please provide the signature of the named municipal contact.

Title of Signatory: Please provide the title of municipal contact.

Witness or Attest: Please provide the signature of the person witnessing or attesting the signature.

Witness or Attester: Please provide the title of the person witnessing or attesting the signature.





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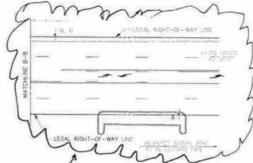
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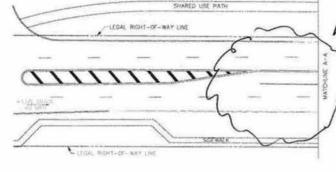
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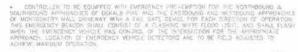


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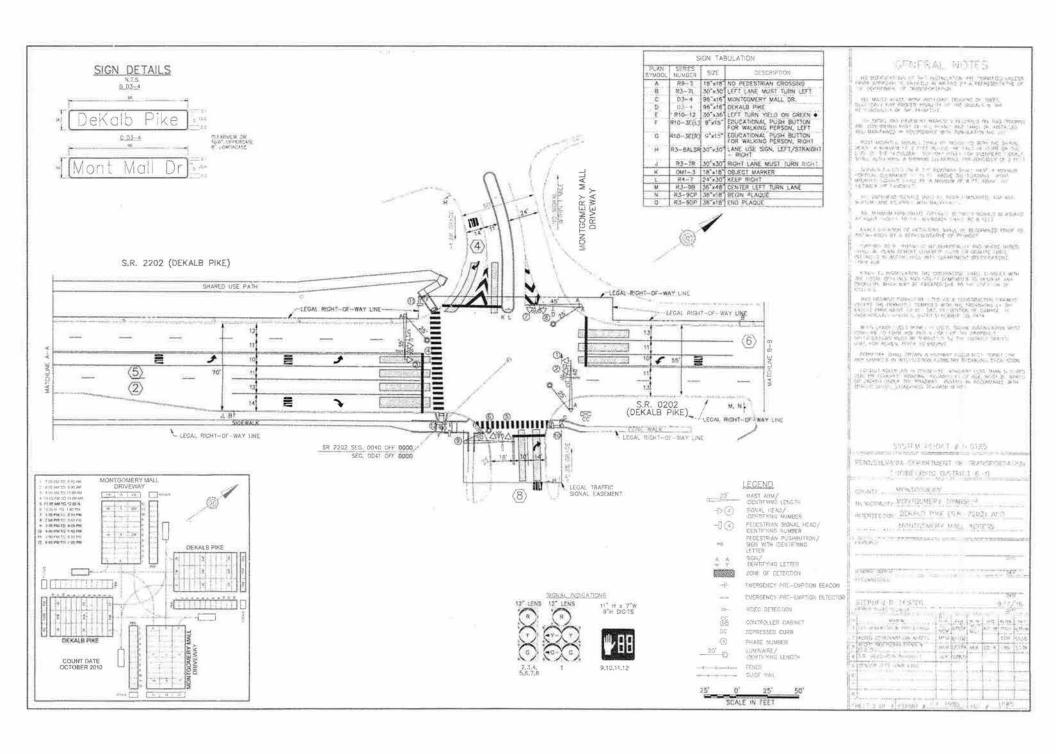
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# TRAFFIC PLANNING AND DESIGN, INC.





October 28, 2015

610.326.3100

Mr. Bruce S. Shoupe Township Director of Planning and Zoning Montgomery Township 1001 Stump Road Montgomeryville, PA 18936-9605

TPD@TrafficPD.com

Re:

Proposed Burger King Expansion

**Amended Waiver of Land Development Request** 

TPD# MOTO-A-00093

#### Dear Bruce:

In our role as Township Traffic/Street Lighting Engineer, Traffic Planning and Design, Inc. (TPD) has reviewed the Site Improvement Plans for the above referenced project, prepared by Bohler Engineering and dated January 21, 2015, last revised September 25, 2015.

The plans have been amended to remove a drive-through canopy and provide a 10 foot wide bypass lane. With the revision made to the plans to provide a single exiting lane at the drivethrough, TPD concurs with the design of the by-pass lane.

Additionally, TPD has reviewed the revised traffic signal permit plans for the intersections of DeKalb Pike and Montgomery Mall and DeKalb Pike and Bethlehem Pike. The revisions are found to be consistent with the left turn lane striping modifications proposed along DeKalb Pike. Upon satisfactorily addressing all PennDOT comments, the Applicant should provide a mylar copy of the traffic signal permit plan for signature by Montgomery Township.

We reserve the right to make additional comments as additional information is submitted. Please call if you have any questions.

Sincerely,

Kevin L. Johnson, P.E.

President

cc: Larry Gregan, Township Manager

Marita Stoerrle, Township Development Coordinator Kevin Costello, Township Public Works Director

Russ Dunlevy, P.E., Township Engineer

Matthew Chartrand, P.E. - Bohler Engineering

Joseph Platt, P.E., TPD

### MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS BOARD ACTION SUMMARY

SUBJECT: Consider Request to Approve Out of State Training- Department of Fire Services

MEETING DATE:

November 9, 2015

ITEM NUMBER: #13.

MEETING/AGENDA:

ACTION XX

NONE

REASON FOR CONSIDERATION: Operational: XX

Policy: Discussion: Information:

INITIATED BY:

Richard M. Lesniak

Director of Fire Services

BOARD LIAISON: Robert J. Birch, Chairman

Liaison - Public Safety Committee

#### BACKGROUND:

In 1999, Pennsylvania adopted legislation that enacted the Uniform Construction Code (UCC). One aspect of the UCC is the requirement for inspectors to receive and maintain certification based on the type of work performed. Inspectors are required to complete 15 credit hours of continuing education credits in courses relating to the professional competency of code administration. An applicant with multiple certification areas must complete a minimum of 15 credit hours of continuing education credits for each certification but not more than 45 credit hours during each three year certification cycle.

Continuing education credit hours are offered through a variety of means including the attendance at meetings and courses. Most commonly, inspectors attend courses presented by the Pennsylvania Construction Codes Academy. The courses, ranging from one to five days, are held across the state and cost between \$25.00 and \$325.00.

Firefighter Robert Hedden currently holds three certifications in the State of Pennsylvania and has recently submitted an application for renewal of those certifications for a new three year cycle (2013 -2016). He is requesting approval to take a course titled "2015 Mechanical and Fuel Gas Code" and "The Code and the Internet" courses to satisfy 16 of his required 45 Continuing Education credits. These courses are being offered on November 25, 2015 and December 3, 2015, respectively, through the New Jersey Center for Services at the Robert Wood Johnson Conference Center, Hamilton, NJ and Burlington County Emergency Service Training Center, Westampton, NJ. Courses offered through the Center for Government Services are offered free of charge.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

**ALTERNATIVES/OPTIONS:** 

None.

BUDGET IMPACT:

None. There is no charge for courses taken at the NJ Training Center.

#### RECOMMENDATION:

It is recommended that authorization be given to allow Firefighter Hedden to attend the "2015 Mechanical and Fuel Gas Code" and "The Code and the Internet" on November 25, 2015 and December 3, 2015, respectively.

#### MOTION/RESOLUTION:

BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby authorize Firefighter Hedden to attend the "2015 Mechanical and Fuel Gas Code" and "The Code and the Internet" on November 25, 2015 and December 3, 2015, respectively, at the Robert Wood Johnson Conference Center, Hamilton, NJ and Burlington County Emergency Service Training Center, Westampton, NJ.

MOTION:	SECOND: _			
ROLL CALL:				
Robert J. Birch	Aye	Opposed	Abstain	Absent
Candyce Fluehr Chimera	Aye	Opposed	Abstain	Absent
Jeffrey W. McDonnell	Aye	Opposed	Abstain	Absent
Joseph P. Walsh	Aye	Opposed	Abstain	Absent
Michael J. Fox	Aye	Opposed	Abstain	Absent

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

### MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS BOARD ACTION SUMMARY

SUBJECT:

Consider Approval of Out of State Training-Police Department

MEETING DATE:

November 9, 2015

ITEM NUMBER:

# 14

MEETING/AGENDA:

WORK SESSION

**ACTION XX** 

NONE

REASON FOR CONSIDERATION: Operational: XX

Policy:

Discussion:

Information:

INITIATED BY: J. Scott Bendig Chief of Police

BOARD LIAISON: Michael J. Fox, Chairman

#### BACKGROUND:

The Montgomery Township Police Department continues to be one of only a handful of agencies in the area that conducts Drug Abuse Resistance Education (DARE) training. DARE is a police officer-led series of classroom lessons that teaches children at the elementary education level how to resist peer pressure and live productive drug and violence-free lives. This program is currently conducted at all elementary schools in Montgomery Township. Currently the Police Department has two officers teaching DARE in our three elementary schools.

In November of 2015, a DARE Instructor Training Program is being held at the Ocean County Police Academy in Lakewood, New Jersey, During the two week program DARE officers receive specialized instruction in public speaking, classroom management techniques, lesson planning, and team building. Officers also learn to teach the DARE curriculum, presenting a mock lesson to instructors prior to completion of the program. Officer Robert Johnson and Detective Ricardo DeJesus have been chosen to attend this training.

#### ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

#### PREVIOUS BOARD ACTION:

None.

#### ALTERNATIVES/OPTIONS:

None.

#### BUDGET IMPACT:

There is no cost for the training, training materials and supplies. Funds will be needed for meals and accommodations. Funding for this training is available in the 2015 Approved Final Budget-Police Meetings and Conferences.

#### RECOMMENDATION:

Approve the out of state training request for Officer Robert Johnson and Detective Ricardo DeJesus.

### MOTION/RESOLUTION:

BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby approve the request for Officer Robert Johnson and Detective Ricardo DeJesus to attend DARE training at the Ocean County Police Academy in Lakewood, New Jersey.

MOTION:	SECOND: _			
ROLL CALL:				
Robert J. Birch	Aye	Opposed	Abstain	Absent
Candyce Fluehr Chimera	Aye	Opposed	Abstain	Absent
Jeffrey W. McDonnell	Aye	Opposed	Abstain	Absent
Joseph P. Walsh	Aye	Opposed	Abstain	Absent
Michael J. Fox	Aye	Opposed	Abstain	Absent

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

# MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS BOARD ACTION SUMMARY

SUBJECT: Consider Authorization to Advertise Proposed Ordinance #15-290 - Montgomery County

Financing for Purchase of Radios

MEETING DATE: November 9, 2015 ITEM NUMBER: #15.

MEETING/AGENDA: ACTION XX NONE

REASON FOR CONSIDERATION: Operational: xx Policy: Discussion: Information:

INITIATED BY: Lawrence J. Gregan BOARD LIAISON: Robert J. Birch, Supervisor

Township Manager Liaison - Public Safety Committee

#### BACKGROUND:

In July the Board authorized the Township's participation in a County program allowing first responders throughout the County to purchase portable and mobile radios for emergency communications under the County's new radio system.

To help reduce the financial burden resulting from the purchase of the new radios, the Montgomery County Commissioners arranged with the Delaware Valley Regional Finance Authority (DVRFA) to allow municipalities to borrow funds through the County to cover the costs of the new radios with repayment of the principal of those loans over a five-year period. Under this financing arrangement, the County will pay the interest and administrative costs for the loans.

The financing program was extended to any fire company, EMS squad or other agency so long as the purchase was made through a sponsoring municipality that would be responsible for repayment. The Department of Fire Services/Office of Emergency Management, Montgomery Township Police Department, Fire Department of Montgomery Township, and Volunteer Medical Service Corps – Lansdale (VMSC) have submitted their purchase requirements to the County which total \$536,651.72

In order to move forward with the purchase it is necessary for the Township to adopt an Ordinance authorizing the Township to borrow the funds through the issuance of a Promissory Note with Montgomery County. In conjunction with the adoption of this ordinance, the Township will enter into separate loan agreements with FDMT and VMSC to secure their obligation for repayment of their share of the loan to the Township.

Attached is Proposed Ordinance #15 – 290 to authorize the issuance of the Promissory Note with Montgomery County which Ordinance is proposed to be considered for adoption at the November 23, 2015 Board of Supervisors Meeting.

ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

PREVIOUS BOARD ACTION:

None.

**ALTERNATIVES/OPTIONS:** 

None.

#### BUDGET IMPACT:

The annual Debt Service payment for the full loan will be \$107,330.34. FDMT will be responsible for annual payments in the amount of \$32,745.81 and VMSC will be responsible for annual payments in the amount of \$34,015.03. The balance of the debt payment will be from funds set aside in the Township's Capital Reserve fund for this purchase.

#### RECOMMENDATION:

It is recommended that the Board of Supervisors authorize the advertisement of Proposed Ordinance - #15 -290 authorizing the borrowing by the Township from Montgomery County in the principal amount of \$536,651.72 with the Proposed Ordinance scheduled for consideration at the Board of Supervisors Meeting on November 23, 2015.

#### MOTION/RESOLUTION:

BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby authorize the advertisement of Proposed Ordinance #15 -290 authorizing the borrowing by the Township from Montgomery County in the principal amount of \$536,651.72 with the Proposed Ordinance scheduled for consideration at the Board of Supervisors Meeting on November 23, 2015.

MOTION:	SECOND:			
ROLL CALL:				
Robert J. Birch Candyce Fluehr Chimera Jeffrey W. McDonnell Joseph P. Walsh Michael J. Fox	Aye Aye Aye Aye Aye	Opposed Opposed Opposed Opposed Opposed	Abstain Abstain Abstain Abstain Abstain	Absent Absent Absent Absent

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

### MONTGOMERY TOWNSHIP

ORDINANCE #15-290

PROJECTS: ORDINANCE THAT APPROVES CERTAIN CAPITAL AN BORROWING BY MONTGOMERY AUTHORIZES A TOWNSHIP (THE "TOWNSHIP") FROM MONTGOMERY COUNTY (THE "COUNTY") AND THE ISSUANCE OF A PROMISSORY NOTE, 2015 SERIES (THE "2015 NOTE"), IN THE AMOUNT OF \$536.651.72: APPROVES MAXIMUM PRINCIPAL SUBSTANTIAL FORM OF THE 2015 NOTE AND APPROVES THE EXECUTION OF THE 2015 NOTE AND DELIVERY OF THE 2015 NOTE TO THE COUNTY: AUTHORIZES EXECUTION AND DELIVERY OF ALL OTHER NECESSARY DOCUMENTS; STATES THE AMORTIZATION SCHEDULE FOR THE 2015 NOTE; STATES THAT THE TOWNSHIP IS OBLIGATED TO MAKE PAYMENTS ON THE 2015 NOTE ONLY FROM FUNDS IF AND TO THE EXTENT APPROPRIATED FOR THE THEN CURRENT FISCAL YEAR OF THE TOWNSHIP; AUTHORIZES ANY PAYMENTS MADE ON THE 2015 NOTE TO BE MADE AS DIRECTED BY THE DELAWARE VALLEY REGIONAL FINANCE AUTHORITY WHICH HAS BEEN APPOINTED AS COLLECTION AGENT FOR THE COUNTY; AUTHORIZES ADVERTISEMENT OF ENACTMENT; AND REPEALS INCONSISTENT ORDINANCES.

ENA	CTED:	
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#### MONTGOMERY TOWNSHIP

ORDINANCE #15-290

AN ORDINANCE THAT APPROVES CERTAIN CAPITAL PROJECTS: AUTHORIZES BORROWING BY MONTGOMERY TOWNSHIP (THE "TOWNSHIP") FROM MONTGOMERY COUNTY (THE "COUNTY") AND THE ISSUANCE OF A PROMISSORY NOTE, 2015 SERIES (THE "2015 NOTE"), IN THE \$536,651.72; MAXIMUM PRINCIPAL AMOUNT OF APPROVES SUBSTANTIAL FORM OF THE 2015 NOTE AND APPROVES THE EXECUTION OF THE 2015 NOTE AND DELIVERY OF THE 2015 NOTE TO THE COUNTY: AUTHORIZES EXECUTION AND DELIVERY OF ALL OTHER NECESSARY DOCUMENTS; STATES THE AMORTIZATION SCHEDULE FOR THE 2015 NOTE: STATES THAT THE TOWNSHIP IS OBLIGATED TO MAKE PAYMENTS ON THE 2015 NOTE ONLY FROM FUNDS IF AND TO THE EXTENT APPROPRIATED FOR THE THEN CURRENT FISCAL YEAR OF THE TOWNSHIP; AUTHORIZES ANY PAYMENTS MADE ON THE 2015 NOTE TO BE MADE AS DIRECTED BY THE DELAWARE VALLEY REGIONAL FINANCE AUTHORITY WHICH HAS BEEN APPOINTED AS COLLECTION AGENT FOR THE COUNTY; AUTHORIZES OF ENACTMENT; REPEALS ADVERTISEMENT AND INCONSISTENT ORDINANCES.

WHEREAS, Montgomery Township (the "Township") is a second class township and a local government unit of the Commonwealth of Pennsylvania (the "Commonwealth"); and

WHEREAS, Montgomery County (the "County") has entered into a Bulk Purchasing Agreement with Motorola Solutions, Inc. ("Motorola") with respect to emergency radio equipment and services; and

WHEREAS, the County has made available to municipalities within the County, the ability to purchase from Motorola emergency radio equipment at a discount, and has further agreed to provide an interest-free loan (the "Loan") from funds borrowed by the County from the Delaware Valley Regional Finance Authority ("DelVal") to any municipality that desires to purchase such emergency radio equipment through the County-arranged Bulk Purchasing Agreement; and

WHEREAS, the Township desires to receive the Loan from the County and issue a Promissory Note, Series 2015 (the "2015 Note") to the County to evidence its obligations under the Loan in order to: (i) purchase certain radio equipment and services for the Township police, fire and emergency personnel; and (ii) pay the costs of issuance incurred by the Township in connection with the Bulk Purchasing Agreement and the 2015 Note (collectively, the "2015 Project"); and

WHEREAS, the payments due on the 2015 Note are subject to annual appropriation by the Township, will not constitute a debt or general obligation of the Township and will be a current expense solely payable from funds appropriated and lawfully available for such use during the then current fiscal year of the Township; and

WHEREAS, the 2015 Project will benefit the health and welfare of the residents of the Township; and

WHEREAS, the 2015 Project shall be for the benefit and use of the general public, and no private party shall have any special legal entitlement to the beneficial use of the 2015 Project, through a lease, management contract, or any other arrangement that would result in a private business use under the *Internal Revenue Code of 1986*, as amended; and

NOW, THEREFORE, BE IT ORDAINED AND ENACTED BY THE MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS, AND IT IS HEREBY ORDAINED AND ENACTED BY THE AUTHORITY OF SAID BOARD OF SUPERVISORS THAT:

# SECTION 1. APPROVAL OF THE 2015 PROJECT AND AUTHORIZATION TO ISSUE THE 2015 NOTE

The Montgomery Township Board of Supervisors (the "Board") hereby authorizes and approves the 2015 Project. The Board hereby authorizes and approves the Loan from the County in the maximum principal amount of \$536,651.72 as evidenced by the issuance of the 2015 Note.

# SECTION 2. APPROVAL OF THE FORM OF THE 2015 NOTE AND AUTHORIZATION TO EXECUTE AND DELIVER ALL NECESSARY DOCUMENTS

The substantial form of the 2015 Note attached hereto as Exhibit A is hereby approved. The Chairman of the Board and the Secretary (collectively, the "Authorized Officers") are hereby authorized and directed to execute and deliver the 2015 Note, in the substantial form attached hereto, but with such alterations, deletions and additions as the Authorized Officers may approve (such approval to be conclusively established by the execution of the 2015 Note by the Authorized Officers). The Authorized Officers also are hereby authorized and directed (i) to execute and deliver such other certificates, instruments, and agreements (including those required by DelVal or otherwise related to the 2015 Note) and (ii) to take all actions that may be necessary or beneficial to issue the 2015 Note.

#### SECTION 3. AMORTIZATION SCHEDULE

The indebtedness of the 2015 Note shall be a current expense subject to annual appropriation by the Township and payable solely from funds lawfully available for such use during the then current fiscal year of the Township and shall be evidenced by the 2015 Note in the maximum principal amount of \$536,651.72. The 2015 Note shall not bear interest. The 2015 Note shall be subject to optional redemption by the Township as set forth in the 2015 Note. The amortization schedule of the principal payments under the 2015 Note (the "Loan Principal") are shown below:

Payment Date	Payment Amount		
January 25, 2016	\$107,330.34		
January 25, 2017	\$107,330.34		
January 25, 2018	\$107,330.34		
January 25, 2019	\$107,330.35		
January 25, 2020	\$107,330.35		

#### SECTION 4. CURRENT EXPENSE

Payments due on the 2015 Notes are a current expense, subject to annual appropriation by the Township, payable solely from funds lawfully available to

the Township for such purpose during the then current fiscal year of the Township. The obligations of the Township to pay the Loan Principal under the 2015 Note (and any other sums due thereunder) do not constitute a lien or charge upon the funds of the Township beyond the fiscal year for which the Township has appropriated money to pay the Loan Principal (and any other sums due thereunder) and that the obligations of the Township under the 2015 Note do not constitute a debt or general obligation of the Township. Neither the full faith and credit nor the taxing power of the Township or of any other political subdivision of the Commonwealth has been or will be pledged to the payment of the Loan Principal (and any other sums due thereunder).

#### SECTION 5. ACH DEBIT AUTHORIZATION

The Township hereby authorizes payments on the 2015 Note to be made by ACH Debit Authorization to Wells Fargo Bank, N.A., acting as co-Trustee for DelVal, the collection agent of the County with respect to the 2015 Note. The Authorized Officers are hereby authorized and directed to execute and deliver the ACH Debit Authorization form, the IRS Form W-9, and such other certificates, instruments, and agreements as may be required for purposes of making payments on the 2015 Note.

#### SECTION 6. CONFLICTING ORDINANCES

All Ordinances or parts of Ordinances not in accord with this Ordinance are hereby repealed insofar as they conflict herewith.

IN WITNESS WHEREOF, we, the undersigned Authorized Officers, have hereunto set our signatures and affixed hereto the Seal of Montgomery Township, Montgomery County, Pennsylvania.

Dated:	, 2015		
MICHAEL J. F	OX, Chairman	-	
[Seal]			
ATTEST:			
LAWRENCE J.	GREGAN, Sec	– cretaru	

# EXHIBIT A

Form of 2015 Note

# \$536,651.72 MONTGOMERY TOWNSHIP,

### PROMISSORY NOTE, 2015 SERIES

MONTGOMERY TOWNSHIP (the "Borrower"), existing by and under the laws of the Commonwealth of Pennsylvania, for value received, hereby acknowledges itself indebted and promises to pay to the order of MONTGOMERY COUNTY, PENNSYLVANIA, a county of the second class A, its successors and assigns (the "County"), in lawful money of the United States of America, the principal amount of \$536,651.72, without interest, on the dates and in the amounts set forth on Schedule A attached hereto (the "Borrower Note").

This Borrower Note evidences the payment obligation of the Borrower to repay the loan (the "Loan") made by the County to the Borrower on the date hereof for the purposes of: (i) purchasing certain radio equipment and services for the Borrower police, fire and emergency personnel; and (ii) paying of costs of issuance incurred by the County in making the Loan or by the Borrower in connection with this Borrower Note (collectively, the "2015 Project").

The Borrower hereby certifies that all of the proceeds of the Loan will be used solely for payment of the costs of the 2015 Project and not for any other purpose. The County shall have no obligation to provide any additional amounts to the Borrower, whether by loan or otherwise, for the costs of the 2015 Project if the proceeds of this Borrower Note are not sufficient to pay all the costs of the 2015 Project, and all such costs shall be paid by the Borrower. The Borrower shall not be entitled to any reimbursement, abatement, diminution or postponement of the repayments of the principal amount of this Borrower Note if the Borrower cannot fund all of the costs of the 2015 Project.

The amounts payable under this Borrower Note are payable in immediately available funds on or before the 25th day of January of each year, commencing 2016, at the corporate trust office of Wells Fargo Bank, N.A. (the "Trustee"), account number \_\_\_\_\_\_, or any other account, designated by the Delaware Valley Regional Finance Authority ("DelVal"), which the County has appointed as the collection agent for payments due to the County hereunder. The Borrower agrees to execute an authorization for Wells Fargo Bank, N.A. to use the Automated Clearing House (the "ACH") System, or any successor to the ACH System that may be used by financial institutions in the future, to collect amounts payable hereunder.

The amounts payable under this Borrower Note are payable without deduction for any tax or taxes now or hereafter levied, or assessed thereon under any present or future laws of the Commonwealth of Pennsylvania, all of which taxes the Borrower assumes and agrees to pay.

This Borrower Note is issued pursuant to Montgomery Township Ordinance #15- 290 duly enacted on November 23, 2015.

The Borrower represents that it is a second class township of the Commonwealth of Pennsylvania and has all requisite power and authority to own and operate its properties, to carry on its activities as now conducted and as presently proposed to be conducted, to execute and deliver this Borrower Note and to carry out and consummate the 2015 Project. The execution and delivery of this Borrower Note and all other documents and instruments and the consummation of the 2015 Project and compliance by the Borrower with the provisions hereof, have been duly authorized, executed and delivered by the Borrower and constitute valid and binding obligations of the Borrower, enforceable against the Borrower in accordance with their respective terms.

The Borrower hereby certifies that all acts, conditions and things required by the laws of the Commonwealth of Pennsylvania to exist, to have happened or to have been performed, precedent to or in the issuance of this Borrower Note or in the creation of the obligation of which this Borrower Note is evidence, exist, have happened and have been performed in regular and due form and manner as required by law, and the Borrower is in compliance with all laws, ordinances, resolutions, governmental rules and regulations to which it is subject.

THE BORROWER AND THE COUNTY EACH ACKNOWLEDGE AND AGREE THAT PAYMENT OF THIS BORROWER NOTE IS SUBJECT TO ANNUAL APPROPRIATION OF FUNDS BY THE BORROWER FOR SUCH PURPOSE AND THAT THE BORROWER IS OBLIGATED TO MAKE PAYMENTS UNDER THIS BORROWER NOTE ONLY FROM FUNDS IF AND TO THE EXTENT APPROPRIATED FOR THE THEN CURRENT FISCAL YEAR OF THE BORROWER. THE OBLIGATION OF THE BORROWER TO MAKE PAYMENTS UNDER THIS BORROWER NOTE IS A CURRENT EXPENSE, PAYABLE SOLELY FROM FUNDS LAWFULLY AVAILABLE FOR SUCH USE DURING THE THEN CURRENT FISCAL YEAR OF THE BORROWER. THIS BORROWER NOTE AND THE OBLIGATIONS OF THE BORROWER HEREUNDER DO NOT CONSTITUTE A LIEN OR A CHARGE UPON THE FUNDS OF THE BORROWER BEYOND THE FISCAL PERIOD FOR WHICH THE BORROWER HAS APPROPRIATED MONEY TO MAKE SUCH PAYMENTS. THIS BORROWER NOTE AND THE OBLIGATIONS OF THE BORROWER HEREUNDER DO NOT AND WILL NOT CONSTITUTE A DEBT OR GENERAL OBLIGATION OF THE BORROWER.

This Borrower Note may be prepaid, in whole or in part, on the 25<sup>th</sup> day of each month (or if not a Business Day (hereinafter defined) the next date that is a Business Day) commencing January 25, 2018, upon not less than thirty (30) days prior written notice (the "Prepayment Notice") to the County and DelVal at the addresses provided by such parties. The Prepayment Notice shall specify (i)

the amount to be prepaid; (ii) if a partial prepayment, the maturities or installments of the Loan to which such prepayment is to be applied, which shall be in inverse order of maturities or installments; and (iii) the date of the prepayment. No prepayment shall postpone the next installments of principal becoming due under this Borrower Note. The Borrower may withdraw a Prepayment Notice at any time at no penalty. Any partial prepayment shall not operate to abate or postpone repayments otherwise becoming due.

"Business Day" shall mean any day other than (a) a Saturday or Sunday, (b) a day on which commercial banks in New York, New York, or the city or cities in which the corporate trust office of the Trustee is authorized by law or executive order to close or (c) a day on which the New York Stock Exchange is closed.

It shall constitute an "Event of Default" hereunder if the Borrower fails to make any payment due hereunder after such payment due hereunder has been appropriated for in its annual budget.

If an Event of Default shall have occurred and be continuing, the County may declare all amounts due under this Borrower Note due and payable and may pursue any and all remedies now or hereafter existing at law or in equity to collect all amounts then due and thereafter to become due under this Borrower Note.

No remedy conferred upon or reserved to the County is intended to be exclusive of any other available remedy or remedies, but each and every such remedy shall be cumulative and shall be in addition to every other remedy given under this Borrower Note, or now or hereafter existing at law or in equity. No delay or omission to exercise any right or power accruing upon any default shall impair that right or power or shall be construed to be a waiver thereof, but any such right and power may be exercised from time to time and as often as may be deemed expedient. In order to entitle the County to exercise any remedy reserved to it herein, it shall not be necessary to give any notice, other than any notice required by law or for which express provision is made herein.

If an Event of Default should occur and the County should incur expenses, including attorneys' fees and expenses, in connection with the enforcement of this Borrower Note or the collection of sums due hereunder, the Borrower shall reimburse the County for the expenses so incurred, upon demand.

No failure by the County to insist upon the strict performance by the Borrower of any provision hereof shall constitute a waiver of their right to strict performance and no express waiver shall be deemed to apply to any other existing or subsequent right to remedy the failure by the Borrower to observe or comply with any provision hereof.

No covenant or agreement contained in this Borrower Note shall be deemed to be the covenant or agreement of any officer, agent or employee of the Borrower in his or her individual capacity, and no official executing this Borrower Note shall be liable personally on this Borrower Note or be subject to any personal liability or accountability by reason of the issuance of this Borrower Note.

This Borrower Note may not be amended, modified, terminated or assigned by the Borrower without, in each case, the written consent of the County.

This Borrower Note and all matters arising hereunder shall be governed by and construed in accordance with the laws of the Commonwealth of Pennsylvania.

[Signature Page Follows]

	WHEREOF, We,		9				76
hereunto set our				tne	Sear	OI	monigomery
Township, Montgom	ery County, Pen	nsylvani	a.				
Dated:	, 2015						
**************************************							
MICHAEL J. FOX, C	hairman						
michille o. i on, o	r cocci i i coci c						

[Seal]

ATTEST:

LAWRENCE J. GREGAN, Secretary

# Schedule A

# Montgomery Township Promissory Note, 2015 Series Principal Amortization Schedule

<b>Payment Date</b>	<b>Payment Amount</b>
January 25, 2016	\$107,330.34
January 25, 2017	\$107,330.34
January 25, 2018	\$107,330.34
January 25, 2019	\$107,330.35
January 25, 2020	\$107,330.35

### MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS BOARD ACTION SUMMARY

SUBJECT: Consider the Establishment the Community & Recreation Center Advisory Committee &

Approval of Bylaws.

MEETING DATE:

November 9, 2015

ITEM NUMBER: #16.

MEETING/AGENDA:

ACTION

NONE

REASON FOR CONSIDERATION: Operational: xx

Policy:

Discussion:

Information:

INITIATED BY:

Lawrence J. Gregan

Township Manager

BOARD LIAISON: Michael J. Fox, Board Chairman

#### BACKGROUND:

With the opening of the Community and Recreation Center, it is proposed that the Board of Supervisors form a Community and Recreation Center Advisory Committee. This Committee would be able to assist with identifying the needs of the Community and Recreation Center, recommend activities & programming, and recommend plans and polices regarding the programs and services of the Community and Recreation Center.

This Committee would meet on a monthly basis. The Recreation and Community Center Director will serve as Staff Liaison for the Committee. Attached is a set of proposed bylaws that would govern the activities of the Committee. An open question for consideration is the number of members that will serve on the Committee.

### ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT:

None.

#### PREVIOUS BOARD ACTION:

None.

#### ALTERNATIVES/OPTIONS:

None.

#### BUDGET IMPACT:

None.

#### RECOMMENDATION:

It is recommended that the Board of Supervisors approve the formation of the Community and Recreation Center Advisory Committee and approve the Bylaws for governing the Committee.

#### MOTION/RESOLUTION:

BE IT RESOLVED by the Board of Supervisors of Montgomery Township that we hereby approve the formation of the Community and Recreation Center Advisory Committee

FURTHERMORE BE IT RESOLVED, that the Board approves the Community and Recreation Center Advisory Committee Bylaws that will govern the responsibilities and duties of the Committee.

MOTION:	SECOND:

# **ROLL CALL:**

Robert J. Birch	Aye	Opposed	Abstain	Absent
Candyce Fluehr Chimera	Aye	Opposed	Abstain	Absent
Jeffrey W. McDonnell	Aye	Opposed	Abstain	Absent
Joseph P. Walsh	Aye	Opposed	Abstain	Absent
Michael J. Fox	Aye	Opposed	Abstain	Absent

DISTRIBUTION: Board of Supervisors, Frank R. Bartle, Esq.

# MONTGOMERY TOWNSHIP

# COMMUNITY AND RECREATION CENTER ADVISORY COMMITTEE

### **BYLAWS**

#### A. AUTHORIZATION

The Montgomery Township Community and Recreation Center Advisory Committee was formally established (Resolution# [INSERT]) by the Board of Supervisors of Montgomery Township on [INSERT], 2015

#### **B. PURPOSE**

The purpose of the Community and Recreation Center Advisory Committee is to help identify the needs of the Community and Recreation Center. The Committee's goals include recommending recreational activities and programming as well as recommending plans and policies regarding the programs and services of the Community and Recreation Center.

The Community and Recreation Center Advisory Committee shall also perform other duties and responsibilities as directed by the Supervisors.

### C. MEMBERSHIP

The Committee shall consist of \_\_\_\_ residents of Montgomery Township. All members shall be appointed by the Supervisors. All members shall have voting rights.

Staff may serve as a liaison to the Committee. A member of the Supervisors may also serve as liaison to the Committee. Only Resident Committee Members shall have voting rights. Neither the Staff liaison, nor the Supervisor liaison shall have voting rights.

Members shall attend regularly scheduled meetings and actively participate discussions, particularly those requiring consensus Committee recommendations.

After three consecutive absences, without reasonable excuse, the Supervisors shall declare that the Committee member has been derelict and /neglectful and his/her seat vacant and appoint another member to the Committee. The Chairman of the Committee shall be responsible for reporting the attendance of all meetings, in writing, to the Township Manager.

An agenda will be distributed to the Committee Members prior to each meeting. Committee Members are expected to prepare in advance for all meetings, including reading of agenda packet materials.

#### D. TERMS

Members of the Committee shall be appointed by the Supervisors to serve one-year term from the first meeting of the Supervisors in January to the first meeting of the Supervisors in January of the subsequent year. At the expiration of the term of any Committee member, the Supervisors shall appoint a successor. A Committee member may be reappointed annually by the Supervisors.

A copy of the By-laws shall be presented to and acknowledged by the member at the time of appointment.

The position of any member of the Committee residing within the Township at the time of appointment who thereafter moves his/her residence from the Township shall automatically become vacant. An appointment to fill a vacancy shall be only for the unexpired portion of the term.

#### E. OFFICERS

Officers shall be elected at the first meeting in January. Officers will serve for one year and until their successors have been duly elected and qualified. Rotation of officers among the members is strongly recommended.

The officers of the Committee shall consist of:

- Chairman: The Chairman shall preside at meetings of the Committee and perform all other duties required by law and these bylaws.
- Vice-Chairman: The Vice-Chairman shall preside at meetings of the Committee in the absence of the Chairman.

A staff representative shall prepare the agenda and record the minutes of regular and special meetings under the direction of the Chairman, provide notice of all meetings to Committee members, attend to correspondence of the Committee, and such other duties as are normally carried out by a staff representative. In the absence of the staff liaison, the Vice-Chairman shall assume the duties associated with the staff liaison, as detailed within this section.

#### F. CONFLICTS OF INTEREST

Members shall not participate in matters in which they have a direct or indirect financial interest.

Members shall also refrain from any use of their membership that gives the appearance of being motivated by a desire for private gain.

Members are not permitted to submit a proposal for services on their behalf or on their employer's behalf.

Members are required to disclose any possible conflicts of interest to a Chairman or Board Liaison immediately and shall recuse themselves from discussion or voting on the item.

#### G. MEETINGS

The Supervisors recommend that the Committee meet on the [INSERT] of every month, but meetings can be bimonthly or quarterly depending upon the Board's work load.

All regular and special meetings of the Committee shall be scheduled, advertised, and conducted in accordance with the requirements of the provisions of the Pennsylvania Sunshine Act. The schedule of the regular monthly meetings shall be advertised annually by the Township Manager in accordance with the requirements of Pennsylvania law.

A quorum of the Committee shall consist of a simple majority of the appointed non-staff members and no action of the Committee shall be valid unless taken at a duly convened public meeting at which a quorum is present and a majority of those present vote in concurrence therewith. Any vote of any member required to abstain by reason of a conflict of interest shall not be counted and the presence of a member with such conflict shall not be included for purposes of determining the presence of a quorum.

The minutes shall include all motions presented to the Committee, including the vote tally, for and against a motion, listing the number of Resident Committee Member votes. The Chairman will deliver all recommendations to the Supervisors.

Meetings are advertised and open to the public. Executive sessions can be conducted as are authorized by Pennsylvania law. Minutes of the meeting shall be prepared and forwarded to all members of the Committee prior to the date of any scheduled meeting. In all matters of parliamentary procedure not specifically governed by the bylaws, Roberts Rules of Order shall prevail.

A special meeting may be called by the Chairman or by the Township Manager upon appropriate compliance with the provisions of Pennsylvania law.

#### H. RULES AND REGULATIONS

All members of the Committee are required to follow the rules, regulations and procedures as set forth by the Township with respect to, but not limited to, ordinances,

resolutions and adopted policies.

All members of the Committee must comply with state and federal laws.

#### I. CONDUCT AND PERFORMANCE

The Township has certain expectations for volunteer conduct and performance. When behavior and performance falls below these expectations, a Committee Member may be relieved of his/her advisory position. The Committee Chairman is responsible for the conduct and performance of Committee Members. At least on an annual basis, the Committee Chairman is responsible for evaluating the conduct and performance of all Committee Members. The Committee Chairmen shall ensure that the Township Manager is forwarded copies of these evaluations. Decisions to relieve Committee Members of their appointments shall be made by the Supervisors, in accordance with applicable law.

The Township's Rules of Conduct at all regular and special meetings of the Committee shall apply to all matters under consideration by the Committee except for ceremonial matters and are as follows:

- 1. Committee Members shall treat staff members, each other and members of the public with respect and courtesy.
- Disagreements shall not result in personal comments or attacks against a staff member, another Committee member, or members of the public.
- 3. When any Committee member is recognized to speak at a Committee meeting, the Board member shall address the Chair.
- 4. When two or more members address the Chair at the same time, the Chair shall name the member who is to be the first to speak.
- When speaking, a member shall confine his or her remarks to the topic under debate or discussion.

Participation by members of the public shall be governed by the Township's Guidelines for Public Participation in Board of Supervisors meetings. As is noted in those Guidelines, members of the public are asked to refrain from making personal attacks or statements about Committee members, other members of the public or Township staff. Members of the public shall treat Committee members, staff members and each other with respect and courtesy.

# J. AMENDMENTS

Amendments to these bylaws may be adopted revised or replaced by a majority vote of the Supervisors, following a recommendation by the Township Staff or the Committee.

# K. REPEALER

Any bylaws that previously may have been adopted and approved for the Committee are hereby repealed.		
Board of Supervisors Chairman	Committee Representative	
Date	Date.	

# MONTGOMERY TOWNSHIP BOARD OF SUPERVISORS BOARD ACTION SUMMARY

SUBJECT: Consider Payment of Bills for November 9, 2015 ITEM NUMBER: # 17. MEETING DATE: November 9, 2015 MEETING/AGENDA: WORK SESSION ACTION XX NONE REASON FOR CONSIDERATION: Operational: XX Information: Discussion: Policy: INITIATED BY: Lawrence J. Gregan BOARD LIAISON: Michael J. Fox, Chairman Township Manager of the Board of Supervisors BACKGROUND: Please find attached a list of the November 9, 2015 bills for your review. ZONING, SUBDIVISION OR LAND DEVELOPMENT IMPACT: None. PREVIOUS BOARD ACTION: None. ALTERNATIVES/OPTIONS: None. BUDGET IMPACT: None. RECOMMENDATION: Approval all bills as presented. MOTION/RESOLUTION: None.

**DISTRIBUTION**: Board of Supervisors, Frank R. Bartle, Esq.

11/06/2015 01:26 PM

CHECK REGISTER FOR MONTGOMERY TOWNSHIP

Page: 1/3

User: msanders CHECK DATE FROM 10/27/2015 - 11/09/2015 DB: Montgomery Twp

Check Date	Bank	Check	Vendor	Vendor Name	Amount
Bank 01 UNI	VEST C	HECKING			
11/06/2015	01	3(S)	00000161	EUREKA STONE QUARRY, INC.	0.00
10/27/2015	01	62422	00001663	FIRE DEPARTMENT OF MONTGOMERY	181,959.48
10/27/2015	01	62423	00906141	MONTGOMERYVILLE INVESTORS, LP	35,000.00
10/27/2015	01	62424	00001394	STANDARD INSURANCE COMPANY	7,584.54
10/30/2015 10/30/2015	01	62425 62426	00000031 00000209	AT&T BOUCHER & JAMES, INC.	187.23 15,177.89
10/30/2015	01	62427	00000209	CHAMBERS ASSOCIATES, INC.	722.80
10/30/2015	01	62428	00000125	DISCHELL, BARTLE DOOLEY	29,614.25
10/30/2015	01	62429	00000125	VOID	0.00 V
10/30/2015	01	62430	00001520	DVIT - DELAWARE VALLEY INSURANCE	173,317.16
10/30/2015	01	62431	00002082	ECOMM TECHNOLOGIES	711.25
10/30/2015	01	62432	00000015	SPRINT	417.38
10/30/2015 10/30/2015	01 01	62433 62434	00001847 00000040	STAPLES CONTRACT & COMMERCIAL, INC. VERIZON	68.25 238.68
11/04/2015	01	62435	00000363	COMCAST	415.04
11/06/2015	01	62436	00000496	21ST CENTURY MEDIA NEWSPAPERS LLC	479.92
11/06/2015	01	62437	00000006	ACME UNIFORMS FOR INDUSTRY	360.73
11/06/2015	01	62438	00000340	ADVENT SECURITY CORPORATION	515.58
11/06/2015	01	62439	MISC-FIRE	ALEXANDER J DEANGELIS	75.00
11/06/2015	01	62440	00000553	AMERICAN PUBLIC WORKS ASSOC.	179.00
11/06/2015	01	62441	00000027	ARMOUR & SONS ELECTRIC, INC.	1,203.21
11/06/2015 11/06/2015	01 01	62442 62443	00000031 00002061	ATAT MORILITY	134.32 270.83
11/06/2015	01	62444	00002081	AT&T MOBILITY AUTOMATIC SYNC TECHNOLOGIES, LLC	323.40
11/06/2015	01	62445	00001917	AWCKLANDS PRODUCE	1,755.00
11/06/2015	01	62446	00000043	BERGEY''S	297.35
11/06/2015	01	62447	00000739	BERGEY''S ELECTRIC, INC.	129.86
11/06/2015	01	62448	00000466	BILL MITCHELL''S AUTO SERVICE, INC.	59.94
11/06/2015	01	62449	MISC-FIRE	BILL WIEGMAN	60.00
11/06/2015	01	62450	00000209	BOUCHER & JAMES, INC.	21,487.46 0.00 V
11/06/2015 11/06/2015	01 01	62451 62452	00000209 03214581	VOID BRACCIA, VINCE	1,200.00
11/06/2015	01	62453	00000072	CANON FINANCIAL SERVICES, INC	1,450.90
11/06/2015	01	62454	00001601	CDW GOVERNMENT, INC.	4,110.07
11/06/2015	01	62455	00091234	CENERO, LLC	47,236.75
11/06/2015	01	62456	MISC-FIRE	CHRIS MAGEE	45.00
11/06/2015	01	62457	03214572	CITY SIGN SERVICE INC	150.00
11/06/2015	01	62458	00002048	COLONIAL ELECTRIC SUPPLY CO, INC.	17.08
11/06/2015	01 01	62459	00000363	COMCAST	300.61
11/06/2015 11/06/2015	01	62460 62461	MISC-FIRE 03214587	DAVID P BENNETT DAVID P. ROLLER JR	30.00 1,200.00
11/06/2015	01	62462	MISC-REC	DEBRA HOWARD	24.00
11/06/2015	01	62463	00000118	DEL-VAL INTERNATIONAL TRUCKS, INC.	357.63
11/06/2015	01	62464	03214577	DIVISION OF MUNICIPAL WASTE	50.00
11/06/2015	01	62465	00001166	DRUMHELLER CONSTRUCTION, INC.	6,950.00
11/06/2015	01	62466	00000152	ECKERT SEAMANS CHERIN &	3,337.50
11/06/2015	01	62467	00002082	ECOMM TECHNOLOGIES	120.00
11/06/2015 11/06/2015	01 01	62468 62469	MISC-REC 00903110	ERA CONTINENTAL REALTY ESTABLISHED TRAFFIC CONTROL	70.00 330.00
11/06/2015	01	62470	00000171	FAST SIGNS	1,658.19
11/06/2015	01	62471	00001034	FASTENAL	394.81
11/06/2015	01	62472	00001466	FEDEX OFFICE	110.00
11/06/2015	01	62473	00001669	FIRST HOSPITAL LABORATORIES, INC.	182.85
11/06/2015	01	62474	00000174	FISHER & SON COMPANY, INC.	1,984.00
11/06/2015	01	62475	00002052	FOREMOST PROMOTIONS	410.06
11/06/2015 11/06/2015	01 01	62476	MISC-REC 03214582	FRANCES MORDELL FRUGAL FRAMES	70.00
11/06/2015	01	62477 62478	00000191	GENERAL CODE LLC	1,195.00
11/06/2015	01	62479	00000817	GENERAL CODE, LLC GILMORE & ASSOCIATES, INC.	42,944.63
11/06/2015	01	62480	00000817	VOID	0.00 V
11/06/2015	01	62481	00000198	GLASGOW, INC.	55.00
11/06/2015	01	62482	MISC-FIRE	GLEN ROETMAN	60.00
11/06/2015	01	62483	00001323	GLICK FIRE EQUIPMENT COMPANY INC	2,531.50
11/06/2015	01	62484	00001784	GOOGLE INC.	94.00
11/06/2015	01	62485	00000229	GRAINGER	16.12
11/06/2015 11/06/2015	01 01	62486 62487	00000213 03214586	HAJOCA CORPORATION HECKLER, JOHN & CLAYTON	22.74 23.29
11/06/2015	01	62488	00001793	HILLTOWN TOWNSHIP	539.28
11/06/2015	01	62489	00000903	HOME DEPOT CREDIT SERVICES	1,218.36
11/06/2015	01	62490	00000903	VOID	0.00 V
11/06/2015	01	62491	00906110	ID CLOTHING COMPANY, LLC	1,970.94
11/06/2015	01	62492	00000102	INTERSTATE BATTERY SYSTEMS OF	607.70
11/06/2015	01	62493	00001388	IPMA-HR INTERNATIONAL PUBLIC	390.00
11/06/2015	01	62494	MISC-FIRE	JOE BIFOLCO	140.00
				JOHN H. MOGENSEN	
11/06/2015	01	62495	MISC-FIRE		45.00
	01 01 01	62496 62497	03214571 MISC-FIRE	JOHN SCHEITER JOSEPH J. SIMES	50.00 120.00

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Check Date	Bank	Check	Vendor	Vendor Name	Amou
11/06/2015	01	62499	00000372	00000372 KEMA	
1/06/2015	01	62500	00000264	KENCO HYDRAULICS, INC.	489.8
1/06/2015	01	62501	03214580	KOLLMAR, KEVIN	1,200.0
1/06/2015	01	62502	00000201	KENCO HYDRAULICS, INC. KOLLMAR, KEVIN LAWRENCE J. MURPHY LEHIGH VALLEY IRON PIGS LIZELL OFFICE FURNITURE LOWRY SERVICES	1,060.3
1/06/2015	01 01	62503 62504	03214574	LEHIGH VALLEY IRON PIGS	294.0
1/06/2015 1/06/2015	01	62505	00000284 MISC	LIZELL OFFICE FURNITURE LOWRY SERVICES	1,925.0
1/06/2015	01	62506	00906082		F 470 0
1/06/2015	01	62507	00000055	MARK MANJARDI	530.0
1/06/2015	01	62508	00000687	MARLANE GRAPHICS, INC.	290.0
1/06/2015	01	62509	00001170	MARTIN STONE QUARRIES, INC.	775.1
1/06/2015	01	62510	00001170	MARTIN STONE QUARRIES, INC.	1,546.3
1/06/2015	01	62511	00000689	MARY KAY KELM, ESQUIRE	750.0
1/06/2015	01	62512	MISC-FIRE	MARY NEWELL	45.0
1/06/2015	01	62513	MISC-FIRE	MATT SHINTON	45.0
1/06/2015	01	62514	MISC-FIRE	MATTHEW VITUCCI	15.0
1/06/2015	01	62515	MISC	MERGEN CO. INC.	304.0
1/06/2015 1/06/2015	01 01	62516 62517	00000743	MES - PENNSYLVANIA	6,711.9
1/06/2015	01	62518	MISC-FIRE	MICHAEL D. SHINTON	40.0
1/06/2015	01	62519	MISC-FIRE 00905057	MICHAEL SHEARER MICROSOFT CORPORATION	1,548.0
/06/2015	01	62520	00000715	MID-ATLANTIC FIRE AND AIR	868.9
1/06/2015	01	62521	MISC-FIRE	MIKE BEAN	15.0
/06/2015	01	62522	00000326	MONTGOMERY COUNTY	47.8
/06/2015	01	62523	00000540	MYSTIC PIZZA	350.0
/06/2015	01	62524	00000417	MANCINO MANUFACTURING CO., INC. MARK MANJARDI MARLANE GRAPHICS, INC. MARTIN STONE QUARRIES, INC. MARTIN STONE QUARRIES, INC. MARY KAY KELM, ESQUIRE MARY NEWELL MATT SHINTON MATTHEW VITUCCI MERGEN CO. INC. MES - PENNSYLVANIA MICHAEL D. SHINTON MICHAEL SHEARER MICROSOFT CORPORATION MID-ATLANTIC FIRE AND AIR MIKE BEAN MONTGOMERY COUNTY MYSTIC PIZZA NANCY J. LARKIN NORTH PENN PEDIATRIC DENTAL NORTH WALES WATER AUTHORITY NYCE CRETE AND LANDIS CONCRETE PATIENT FIRST PAUL B. MOGENSEN	2,430.0
/06/2015	01	62525	MISC-REC	NORTH PENN PEDIATRIC DENTAL	70.0
/06/2015	0.1	62526	00000356	NORTH WALES WATER AUTHORITY	117.0
/06/2015	01	62527	00000270	NYCE CRETE AND LANDIS CONCRETE	165.0
1/06/2015	01	62528	MISC-REC	PATIENT FIRST	500.0
1/06/2015	01	62529	MISC-FIRE	PAUL R. MOGENSEN	75.0
1/06/2015	01	62530	MISC-FIRE	PAUL SMITH	40.0
1/06/2015	01	62531	00000397	PECO ENERGY	81.6
/06/2015	01	62532	03214578	PEG AZARIAN	192.0
/06/2015	01	62533	00000595	PENN VALLEY CHEMICAL COMPANY	1,546.5
/06/2015	01	62534	00000595	PENN VALLEY CHEMICAL COMPANY	533.8
/06/2015	01 01	62535 62536	00000726	PENN-HOLO SALES & SERVICES	102.3
1/06/2015 1/06/2015	01	62537	00000388 00001358	PENNSYLVANIA ONE CALL SYSTEM, INC. PENNSYLVANIA RECREATION AND PARK	181.3 936.0
1/06/2015	01	62538	00001336	PET DINER, THE	206.0
1/06/2015	01	62539	00000009	PETTY CASH	879.0
1/06/2015	01	62540	00000447	PETTY CASH - POLICE	170.5
1/06/2015	01	62541	MISC-FIRE	PHIL STUMP	135.0
1/06/2015	01	62542	00001171	PHILA OCCHEALTH/DBA WORKNET OCC	698.8
1/06/2015	01	62543	00001791	PHILADELPHIA PROTECTION BUREAU, INC	2,500.0
1/06/2015	01	62544	00000446	PHISCON ENTERPRISES, INC.	150.0
1/06/2015	01	62545	00000945	PIPERSVILLE GARDEN CENTER, INC.	169.6
1/06/2015	01	62546	MISC-FIRE	RACHEL TROUTMAN	100.0
1/06/2015	01	62547	MISC-REC	REBECCA MOYER	580.0
1/06/2015	01	62548	00002033	REPUBLIC SERVICES NO. 320	1,129.3
/06/2015	01	62549	00000117	RIGGINS INC	2,590.6
1/06/2015	01	62550	00000115	RIGGINS, INC	5,121.3
/06/2015	01	62551	03214576	ROBERT ADAMS SR.	500.0
1/06/2015 1/06/2015	01 01	62552 62553	00001972	ROBERT L. BRANT	1,365.0
1/06/2015	01	62554	MISC-FIRE 00906144	DOLLING SUDS INC	15.0
1/06/2015	01	62555	MISC-FIRE	RYAN CROUTHAMET.	1,272.0 15.0
/06/2015	01	62556	00000452	S&S WORLDWIDE	516.2
/06/2015	01	62557	03214573	RACHEL TROUTMAN REBECCA MOYER REPUBLIC SERVICES NO. 320 RIGGINS INC RIGGINS, INC ROBERT ADAMS SR. ROBERT L. BRANT ROBERT MCMONAGLE ROLLING SUDS, INC. RYAN CROUTHAMEL S&S WORLDWIDE SAR AUTOMOTIVE EQUIPMENT SERVICE TIRE TRUCK CENTERS SIMPLEXGRINNELL SIRCHIE FINGER PRINT SNAP-ON INDUSTRIAL SPOK	350.0
/06/2015	01	62558	00001939	SERVICE TIRE TRUCK CENTERS	1,233.8
1/06/2015	01	62559	03214588	SIMPLEXGRINNELL	1,688.5
/06/2015	01	62560	00000468	SIRCHIE FINGER PRINT	300.0
1/06/2015	01	62561	00000467	SNAP-ON INDUSTRIAL	407.5
/06/2015	01	62562	00000328	SPOK	208.5
/06/2015	01	62563	00001847	STAPLES CONTRACT & COMMERCIAL, INC.	1,624.3
/06/2015	01	62564	MISC-FIRE	STEVE SPLENDIDO	30.0
/06/2015	01	62565	MISC-REC	STEVE SPLENDIDO STEVEN JONESQ SYRENA COLLISION CENTER, INC. THE K9 SPIRIT THOMSON REUTERS	60.0
/06/2015	01	62566	00000485	SYRENA COLLISION CENTER, INC.	1,293.4
/06/2015	01	62567	MISC-REC	THE K9 SPIKIT	60.0
/06/2015	01	62568	00002020	THOMSON REUTERS TRAFFIC PLANNING AND DESIGN, INC. TRANS UNION LLC	110.2
1/06/2015	01	62569 62570	00001984	TRAFFIC PLANNING AND DESIGN, INC.	14,857.7
1/06/2015 1/06/2015	01	62571	00000506 00002031	TRANS UNION LLC	40.0
1/06/2015	01	62572	00002031	TRISTATE ENVIRONMENTAL	742.1 292.5
1/06/2015	01	62573	00000500	II.S. BANK	137,696.8
1/06/2015	01	62574	00000327	U.S. MUNICIPAL SUPPLY INC	846.8
1/06/2015	01	62575	00000327	VERIZON	98.8
/06/2015	01	62576	00000040	VERIZON	38.0
1/06/2015	01	62577	00000040	THE K9 SPIRIT THOMSON REUTERS TRAFFIC PLANNING AND DESIGN, INC. TRANS UNION LLC TRI-COUNTY ELECTRICAL SUPPLY TRISTATE ENVIRONMENTAL U.S. BANK U.S. MUNICIPAL SUPPLY INC. VERIZON VERIZON VERIZON VERIZON VERIZON VERIZON CABS VERIZON COMMUNICATIONS, INC.	173.1
	01	62578	00001033	UPDITON CARS	552.8
1/06/2015	O.L	02370	00001033	VERTION CADS	332.0

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11/06/2015	01	62580	00000038	VERIZON WIRELESS SERVICES, LLC	480.12
11/06/2015	01	62581	00000038	VERIZON WIRELESS SERVICES, LLC	849.75
11/06/2015	01	62582	MISC-FIRE	VINAY SETTY	120.00
11/06/2015	01	62583	MISC-FIRE	VINCE ZIRPOLI	195.00
11/06/2015	01	62584	MISC-FIRE	WARREN FUCHS	30.00
11/06/2015	01	62585	00001329	WELDON AUTO PARTS	1,443,21
11/06/2015	01	62586	00001329	VOID	0.00
11/06/2015	01	62587	00001157	YOUNGS	206.80

01 TOTALS:

(5 Checks Voided)

Total of 162 Disbursements:

813,448.55

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Date	Name	Amount		
10/28/2015	PA UC Fund	3rd Qtr UC-2 Payment	\$	1,411.24
10/28/2015	Berkheimer LST	3rd Qtr LST Payment	\$	1,368.00
10/29/2015	Berkheimer EIT	3rd Qtr EIT Payment	\$	22,508.86
11/02/2015	ICMA RC	<b>DROP Plan Payment</b>	\$	17,827.41
11/02/2015	<b>UNITED STATES TREASURY</b>	945 Tax Payment	\$	4,680.00
11/05/2015	PA SCDU	Withholding Payment	\$	2,717.28
11/05/2015	<b>UNITED STATES TREASURY</b>	941 Tax Payment	\$	79,495.91
11/05/2015	BCG 401	401 Payment	\$	14,102.88
11/05/2015	BCG 457	457 Payment	\$	10,236.80
11/05/2015	PBA	PBA Payment	\$	811.71
Total Checks: 10			Ś	155,160.09