



# Whitemarsh TOWNSHIP

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## BOARD of SUPERVISORS

Laura Boyle Nester– Chair  
Fran McCusker– Vice Chair  
Michael Drossner  
Vincent Manuele  
Jacy Toll

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Richard L. Mellor, Jr.  
Township Manager

## WHITEMARSH TOWNSHIP BOARD OF SUPERVISORS

### DEPARTMENTAL MEETING

OF AUGUST 6, 2020 5:30 PM

### ZOOM MEETING PARTICIPATION INFORMATION

The Whitemarsh Township Board of Supervisors will hold their monthly meeting on Thursday, August 6, 2020 at 5:30 p.m. In response to the COVID 19 health pandemic, and to promote social distancing this meeting will be conducted via ZOOM. Members of the Board, staff and public will participate remotely. The public may join this meeting by either telephone using the dial in number or entering the URL on an internet browser. Below you will find instructions on how to access and participate in the meeting:

- **Meeting Date:** Thursday, August 6, 2020
- **Meeting Time:** 5:30 PM
- **Meeting URL:** <https://us02web.zoom.us/j/87586128684>
- **Meeting via Zoom App:** if you have the Zoom App on your smartphone, tablet, or computer, open the program, click join a meeting, and enter the Meeting ID: 875 8612 8684
- **Meeting dial in number (no video):** 1-646-558-8656
- **Meeting ID number (to be entered when prompted):** 875 8612 8684
- **Meeting Password:** 630391

Public comment via email to Township Manager Rick Mellor, [rmellor@whitemarshtwp.org](mailto:rmellor@whitemarshtwp.org) must be submitted one hour before the start of the meeting. Public comment will also be accepted via the ZOOM chat button during the meeting. In both cases you will need to provide your name and address for the record.

Persons with a disability who wish to participate in the public hearing and require an auxiliary aid, service or other accommodation to participate in the hearing should contact Whitemarsh Township at 484-594-2601.

**WHITEMARSH TOWNSHIP BOARD OF SUPERVISORS  
DEPARTMENTAL WORKSHOP MEETING OF AUGUST 6, 2020 5:30 PM**

BOYLE-NESTER \_\_\_\_ DROSSNER \_\_\_\_ MANUELE \_\_\_\_ McCUSKER \_\_\_\_ TOLL \_\_\_\_

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**1. Departmental Reports**

- 2<sup>nd</sup> Quarter Reports provided by each Department Head

**2. COVID 19**

- Update on Township Operations  
*Continuation of Local Emergency Declaration*
- Financial Budget Update  
*Nathan Crittendon, Finance Director*

**3. Fire Marshal Report**

- Review Existing Commercial Building Inspection Process  
*Nick Weaver, Fire Marshal*

**4. Capital Projects**

- Creekside Intersection Improvements
- 2020-2022 Capital Improvement Plan

**5. New Business**

- Review Request from The Hill  
*Light at Germantown and Thomas Road in Springfield Township*
- Review Montgomery County Request – Ridge Pike Widening Project  
*Proposed Traffic Light at Ridge Pike and Whitemarsh Senior Village*
- Police Liaison Update  
*Supervisor Michael Drossner*

**6. Executive**

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## WHITEMARSH TOWNSHIP

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**TO:** Richard L. Mellor, Jr., Township Manager  
**FROM:** Sean Halbom, Asst. Township Manager  
**RE:** 3<sup>rd</sup> Quarter 2020 Report – Administration

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### ***Website, Social Media, and Communications.***

Similar to Q2 social media and website communication have played an important role in keeping the public informed during Q3 and the ongoing pandemic. The weekly eNewsletter has been an especially helpful resource sharing information with residents. During the month of June, approximately 37% of our 3,816 eNewsletters subscribers opened their newsletter. Information and resources are shared across all platforms (social media, website, and eNewsletter) to reach the widest possible audience. However, not all residents access information electronically.

Earlier this month, we were informed that after 24-years of publication, *The Enterprise* will be sold, or possibly close. With the possibility of no more monthly publications, our print media outreach will be limited to twice-annual *Whitemarsh Living* editions. Reaching residents who do not utilize technology for local information is a topic I recently discussed with the Media and Communications Advisory Board at their July meeting. More on that below.

### ***Whitemarsh TV***

WTV continues to steadily produce new and informative content. Most recently, WTV and the Fire Marshal's office created a Public Service Announcement to assist folks apply for Special Events permits. Similar PSAs have also been made for building permit applications to provide sharable, socially distant resources with residents. Rob has continued to do an excellent job creating and posting useful infographics and slides to our WTV broadcasts, and maintain the station.

Our Comcast channel broadcast was briefly interrupted in June due to a bad part that was limiting audio output. This has since been repaired, but is a reminder that our equipment is mostly beyond its expected lifespan. In my Q2 report I mentioned that we would be looking at alternatives to our traditional broadcast. At this time, I believe we should continue holding off on any large-scale update to our TV studio/Large Meeting Room while we make progress with alternative communication mediums.

### ***Boards and Committees:***

#### ***Environmental Advisory Board***

The EAB was very pleased to recommend their Energy Transition Plan (ETP) to the Board of Supervisors, and see it pass the July Board of Supervisors meeting unanimously. As described in a memo from that meeting's agenda packet, the ETP is the first major milestone of the Ready for 100 Resolution passed last year. An early part of the ETP, the energy audit, was conducted on July 15, 2020, and we are expecting results in six to eight weeks.

The results of the energy audit will be a topic for discussion at a future EAB meeting. The audit results will need to be scored in terms of their financial cost, time commitment, and energy savings, among other factors necessary to prioritize their implementation. Once returned, Township staff will review and identify touch points between the findings and our Sustainable PA goals. A report will be provided to the EAB who will review and ultimately provide a recommendation to the Board of Supervisors for action.

### ***Media and Communications Advisory Board***

The MCAB met for the first time since their January re-organization meeting this July. As I have mentioned above, I would also like to begin a discussion regarding low-tech communication platforms and opportunities to span the technology gap. The closure of *The Enterprise* will limit our regular communication platforms to technology-driven mediums, and WTV only. The MCAB believes the decision to potentially fill that void with a new print medium will need to be weighed carefully, and has asked me to investigate the costs, readership, and return on investment received by the Township.

At the July MCAB meeting, we also discussed creating a Township YouTube channel. Currently, we pay for additional storage space on our website which is mainly taken up by Board Meeting videos. By switching to YouTube, we can increase our storage capacity, lower costs, and more easily share video content across social media platforms. At the request of MCAB, I am working with our website provider to see if YouTube videos can be imbedded into our site, or if they will have to be linked to YouTube.

### ***Shade Tree Commission***

The Shade Tree Commission has been meeting successfully via Zoom, most recently in June and July. The pandemic has continued to hamper efforts made in preparation of the Chapter 55 re-write, but we are discussing resuming those conversations as soon as the September meeting.

We were pleased to hear back from the Arbor Day Foundation that Whitemarsh Township is once again a “Tree City USA” community. This is something normally shared in April; however, Arbor Day was postponed due to COVID-19. Because the event is normally scheduled in collaboration with Whitemarsh Elementary School, we are uncertain if this year’s celebration will take place but I am in touch with Colonial School District as plans for the 2020 school year develop.

### ***Projects***

Energy Audit: As mentioned above, the energy audit was recently conducted and findings will be produced in approximately six to eight weeks afterwards. I would like to thank our clerical staff as well as the Finance Department who helped with the organization and preparation of the documentation shared with our energy auditors.

### ***Refuse Collection***

Trash, recycling, and yard waste collection was a point of major concern in the past quarter. Complaints received by residents spiked significantly, specifically for recycling and yard waste collections. Many repeat complaints were received from the same residents, prompting township staff to take a closer look at collection operations in those areas. Staff discovered several issues which were reported to the Township Manager and brought to your attention.

Following notification from the Township concerning these issues, JP Mascaro has proposed a 30-45 day improvement plan period to improve service quality. I will report back at the conclusion of that timeframe with my observations.

***Special Thanks***

As you know, this quarter has been a busy one outside of work for my family with the arrival of our son in June. I'd like to thank my colleagues and the Board for their warmth and support.

***In Summary***

As many have recently lamented, 2020 has not been an ideal year by any stretch of the imagination. However, I am pleased by the degree to which township staff adapted and maintained services. I am also encouraged to see staff taking opportunities to learn from this new environment and consider how we can apply what we have learned over these past four months to our future work.

Respectfully submitted,

Sean Halbom



## MEMORANDUM

TO: Mr. Richard L. Mellor, Jr. - Township Manager

FROM: James J. Hersh, PE-Township Engineer

DATE: July 31, 2020

RE: Engineering Report for the period of  
April 1, 2020 through June 30, 2020

PROJECT NUMBER: 2020-01015

The following information is provided to summarize the status of all projects currently being worked on by the Township Engineer's office.

### Earth Disturbance Permits

1. 337 Barren Hill Road (2016-17)  
The construction of a new single-family dwelling, is currently underway and inspections of the project continue on a regular basis.
2. 6201 Henry Lane (#2018-04)  
The applicant submitted plans showing construction of a new home and associated stormwater control measures at an existing residential lot. Regular inspections were performed during construction, which is now substantially complete. The developer will install final landscaping when weather is favorable for planting.
3. 6205 Henry Lane (#2018-08)  
The applicant submitted plans showing construction of a new home and associated stormwater control measures at an existing residential lot. Regular inspections were performed during construction, which is now substantially complete. The developer will install final landscaping when weather is favorable for planting.
4. 6203 Henry Lane (#2018-09)  
The applicant submitted plans showing construction of a new home and associated stormwater control measures at an existing residential lot. Regular inspections were performed during construction, which is now substantially complete. The developer will install final landscaping when weather is favorable for planting.

5. 4066 Butler Pike (#2018-19)  
The applicant submitted plans showing an addition to an existing office building. The project is currently under construction and inspections of the project continue on a regular basis.
6. 5200 Butler Pike (ECRI) (#2018-21)  
The applicant submitted plans showing installation of access driveway improvements at the ECRI facility on Butler Pike. The project is currently under construction and inspections of the project continue on a regular basis.
7. 6029 Joshua Road (2018-25)  
The applicant submitted plans showing construction of a detached dwelling on an existing residential lot. The project is currently under construction and inspections of the project continue on a regular basis.
8. Veterans Monument - 'Hero's Ground' (2019-06)  
The applicant submitted plan showing a proposed Veterans Monument at Miles Park. A Pre-construction meeting was held on February 27, 2020. Construction was planned to commence in Spring 2020; however there is no activity to date.
9. Whitemarsh Township Authority (S/LD #04-19, 2019-11)  
The applicant is proposing to construct a new administration building at the Sewerage Treatment Facility partially on/or adjacent to the Dept. of Public Works Facility. The applicant requested a waiver of land development contingent on the applicant obtaining an earth disturbance permit. Earth Disturbance Permit Plans were submitted, reviewed, and letters were issued February 27, 2019, August 12, 2019, September 18, 2019, and March 2, 2020 which required the applicant to revise and resubmit the plans. The engineer's estimate of probable cost was reviewed and a letter establishing the amount of financial security to be escrowed was issued April 1, 2020. Revised plans were submitted and an Earth Disturbance Permit was issued June 10, 2020. A preconstruction meeting was held on June 16, 2020 and construction is underway, with inspections being performed on a daily basis.
10. 6010 W. Mill Road (2019-12)  
The applicant submitted plans showing the addition of a detached garage with an apartment. The plans were reviewed, and review letters issued September 26, 2019, October 31, 2019 and February 5, 2020 which required the applicant to revised and resubmit the plans. Revised plans were submitted and an Earth Disturbance Permit was issued February 13, 2020. Construction is underway, with inspections being performed on a regular basis.

11. 404 Pennsylvania Avenue (S/LD #11-19, 2019-20)  
The applicant submitted plans showing a proposed Canopy over an existing drive-up service drop-off area at the Mercedes Benz of Fort Washington. The applicant has requested a waiver of land development contingent upon obtaining an earth disturbance permit. Earth Disturbance Permit Plans were reviewed and a letter issued January 29, 2020 which requires the applicant to revise and resubmit the plans.
12. 3006 1/2 Crescent Ave (2020-02)  
The applicant submitted plans showing the construction of a new residential detached garage. The plans were reviewed, and a review letters issued March 9, 2020, April 6, 2020, and April 14, 2020. Revised plans were submitted and an Earth Disturbance Permit was issued April 29, 2020.
13. 815 Thomas Road (2020-03)  
The applicant submitted plans showing the construction of 3 pedestrian / golf cart footbridges at the Whitemarsh Valley Country Club. The plans were reviewed, and letters issued March 20, 2020 and May 13, 2020 which required the applicant to revise and resubmit the plans. Revised plans were reviewed, and an Earth Disturbance Permit was issued June 16, 2020.
14. 4000 Foxhound Drive (2020-04)  
The applicant submitted plans showing the installation of subsurface roof foundation drains. The plans were reviewed, a letter issued March 18, 2020, and an Earth Disturbance Permit was issued May 11, 2020.
15. 2277 Mulberry Lane (2020-05)  
The applicant submitted plans showing construction of a new dwelling in place of a dwelling recently destroyed by a fire. The plans were reviewed, and letters issued April 22, 2020 and May 26, 2020 which required the applicant to revise and resubmit the plans. Revised plans were reviewed, and an Earth Disturbance Permit was issued June 16, 2020.
16. 2085 Harts Lane (2020-06)  
The applicant submitted plans showing a proposed in-ground pool, patio and landscaping at an existing residential lot. The plans were reviewed, and a letter issued June 9, 2020 which required the applicant to revise and resubmit the plans.
17. SEPTA - River Road (2020-07)  
The applicant submitted plans showing extensive shoreline stabilization along the rail lines parallel to River Road, along the Schuylkill River. The plans were reviewed, and a letter issued June 19, 2020 which requires the applicant to revise and resubmit the plans.

18. 6013 W. Valley Green Road (2020-08)  
The applicant submitted plans showing a proposed in-ground pool, patio and landscaping at an existing residential lot. The plans were reviewed, and a letter issued June 26, 2020 which required the applicant to revise and resubmit the plans. Revised plans were submitted, which are currently under review.
19. 301 Williams Road (2020-09)  
The applicant submitted plans showing a proposed in-ground pool, pool deck and landscaping at an existing residential lot. The plans were reviewed, and a letter issued June 30, 2020 which required the applicant to revise and resubmit the plans. Revised plans were reviewed, and an Earth Disturbance Permit is currently being processed.
20. 1220 Jones Street (2020-10)  
The applicant submitted plans proposing a retaining wall and leveling of the rear yard. The plans were reviewed, and an Earth Disturbance Permit was issued July 9, 2020.
21. 841 Stenton Avenue (2020-11)  
The applicant submitted plans showing the construction of a tractor garage at Erdenheim Farm. The plans were reviewed, and a letter issued July 17, 2020 which requires the applicant to revise and resubmit the plans.
22. 750 Germantown Pike (2020-12)  
The applicant submitted plans proposing to remove and fill in an existing in-ground pool. The plans were reviewed, and an Earth Disturbance Permit was issued July 9, 2020.
23. 6303 Farmar Lane (2020-13)  
The applicant submitted plans proposing to remove and fill in an existing in-ground pool. The plans were reviewed, and an Earth Disturbance Permit was issued July 9, 2020.
24. 260 Sugar Maple Lane (2020-14)  
The applicant submitted plans showing modifications to residential parking areas and landscaping, which are currently under review.
25. 309 Powderhorn Road (2020-15)  
The applicant submitted plans showing a proposed in-ground pool at an existing residential lot, which are currently under review.
26. 117 Hunter Road (2020-16)  
The applicant submitted plans showing a proposed in-ground pool at an existing residential lot, which are currently under review.

## Land Development Projects

1. The Oaks at Lafayette Hill (S/LD #06-04)  
The applicant is constructing 159 attached dwelling units and associated site improvements. The project is currently under construction and inspections of the project continue on a daily basis.
2. The Hill at Whitemarsh Ph 2 (S/LD #03-13)  
The applicant is constructing 54 multi-family independent living units in 5 separate buildings, a clubhouse, outdoor pool, a 15,000 square foot addition to the main health care building and associated site improvements. At the contractor's request, inspections were performed and a letter recommending partial release of payment was issued March 16, 2020. The project is currently under construction and inspections of the continue on a daily basis.
3. 901 Washington Street (S/LD #05-14)  
The applicant is proposing to construct 62 townhomes in the Riverfront District. Revised plans have been submitted, and a review letter was issued December 20, 2019 which require the applicant to revise and resubmit the plans.
4. The Knolls at Whitemarsh (S/LD #06-15)  
The applicant is proposing 4 single-family detached residences in the A Residential District and 9 townhomes in the VC-1 Village Commercial District, including associated site improvements. At the contractor's request, inspections were performed and a letter recommending partial release of payment was issued May 13, 2020. The project is currently under construction and inspections of the continue on a daily basis.
5. Cellco – Verizon Wireless (S/LD #09-15)  
The applicant is proposing an addition to an existing building housing equipment supporting Verizon Cellular Telephone Service. The project is currently under construction and inspections of the project continue on a daily basis.
6. Villages at Whitemarsh (S/LD #11-15)  
The applicant is proposing the construction of Townhouses in the Village Commercial District at a site known as the 'Corson Estate'. Plans were reviewed, and review letters issued July 26, 2019 and October 30, 2019 which require the applicant to revise and resubmit the plans. It is our understanding that the applicant has formally withdrawn this preliminary subdivision and land development application.
7. Whitemarsh Shopping Center (S/LD #04-16)  
The applicant is proposing the addition of an 8,975 square foot building, reconfigured parking and improvements to the Ridge Pike access at the Whitemarsh Shopping Center. The project is currently under construction and inspections of the project continue on a daily basis.

8. Holman PA Automotive – Audi Fort Washington, 432 PA Avenue (S/LD #09-16 / 07-18)  
The applicant is constructing a new car dealership at an existing commercial tract located at 432 Pennsylvania Avenue. Construction is substantially complete, with inspections having been conducted on a regular basis.
9. Lee Park Commons (S/LD #05-17)  
The proposal is to demolish the existing building and replace it with a three-story building. The first floor is proposed for offices and the second and third floors for apartments, for a total of 12 units. The project is currently under construction and inspections of the project continue on a regular basis.
10. 633 Germantown Pike (S/LD #06-17)  
The applicant is proposing to demolish a gas station/auto repair building and construct a two-story office building with a building footprint of 3,163± square feet, along with required associated parking. The project is currently under construction and inspections of the project continue on a regular basis.
11. 252 Roberts Avenue (S/LD #05-18)  
The applicant originally proposed the renovation of the existing Lincoln Fire Company facility to an attached 5-unit residential building; however, the plans were revised to develop the site to consist of 2-single family homes. A preconstruction meeting was held on February 4, 2020. The project is currently under construction and inspections of the project continue on a regular basis. At the developer's request, inspections were performed and a letter recommending partial release of financial security was issued May 18, 2020.
12. Longfield Farms (S/LD #02-19)  
The applicant is proposing a 58-unit townhome development in the Village Commercial District, at the intersection of Butler and Skippack Pikes. A Sketch plan was submitted and a review letter issued March 29, 2019. Revised plans were submitted in June 2019, which were subsequently withdrawn. Revised plans were resubmitted and a review letter was issued June 16, 2020 which requires the applicant to revise and resubmit the plans.
13. Sunnybrook Golf Club (S/LD #03-19)  
The applicant is proposing a subdivision creating 2 new residential lots and also proposing a lot line change subtracting lot area from the Golf Club and adding it to an existing residential Lot. Revised plans were submitted, reviewed and a letter was issued February 28, 2019. Revised plans were resubmitted and a letter authorizing production of mylars was issued March 16, 2020.
14. 6020 Cricket Road S/LD #08-19  
The applicant is proposing to subdivide an existing residential Lot on Cricket Road into two separate lots. The plans were reviewed, and letter issued October 23, 2019 which requires the applicant to revise and resubmit the plans.

15. 800 Ridge Pike S/LD #09-19  
The applicant is proposing to subdivide the existing golf course / conference facilities into to 2 separate lots. The larger Lot would contain the golf course, and a smaller lot would contain the conference facilities. The plans were reviewed, and letter issued October 28, 2019 which requires the applicant to revise and resubmit the plans.
16. 650 Germantown Pike S/LD #10-19  
The applicant is proposing to fit-out an existing auto-repair shop as a 3-bay golf-clinic facility, including an expanded parking area, site lighting, modifications to the driveway access to Germantown Pike (State Route 3053) and other associated improvements. The plans were reviewed, and letter issued March 24, 2020 which requires the applicant to revise and resubmit the plans. Revised plans have been submitted, which are currently under review.
17. 4013 Crescent Avenue S/LD #01-20  
The applicant is proposing a minor lot line adjustment to transfer yard area between 2 single family detached residential lots. The plans were reviewed, and letter issued June 29, 2020 which requires the applicant to revise and resubmit the plans.
18. Flourtown Shopping Center S/LD #02-20  
The applicant is proposing a proposed bank (2,450 sf) and restaurant (2,100 sf), including modifications to parking areas and drive aisles and other associated improvements. The proposed improvements straddle the Township Line, and are partially located in Springfield Township. Sketch Plans have been submitted and are currently under review.
19. 608 Germantown Pike S/LD #03-20  
The applicant is proposing to convert an existing structure in the Village Commercial District to a 7-Unit Apartment Building, including a building addition, modifications to parking areas and drive aisles and other associated improvements. Sketch Plans have been submitted and are currently under review.

## Township Capital Improvement Projects

### 1. Handicap Accessible Ramp Program

The Department of Public Works has begun a program where the required handicap accessible ramps are installed by DPW forces prior to start of each year's road program. The Township Engineer's office design of these ramps continues on a schedule to allow the DPW to stay at least one year ahead of each road repaving program. Ramps which would need to be installed in anticipation of the 2020 Road Improvements Program have been identified. Base mapping and preparation of construction documents for this year's ramps has been completed, and is currently out for public bidding as an alternate bid to the 2020 Road Improvements Program. Bid documents were prepared for the construction work and have been advertised for public bidding, with a bid opening scheduled for August 11<sup>th</sup>, 2020.

### 2. 2020 Road Improvement Program

Segments of the following roadways have been scheduled for rehabilitation: Foxwood Circle, Militia Way, Harry Street, Whitmarsh Valley Road, Williams Road, Dileo Drive, Dogwood Lane, Tamara Court, Wagner Road, Cedar Drive, Cedar Place, Hain Drive. Base mapping and preparation of construction documents was completed, and the Board of Supervisors Authorized bidding of this project on January 23, 2020. Bid documents were revised to include this year's Handicap Accessible Ramp Program, and restriping of Harts Lane (from Cherrydale Drive to Barren Hill Road) as alternate bids to the 2020 Road Improvement Program. These have been advertised for public bidding, with a bid opening scheduled for August 11<sup>th</sup>, 2020.

### 3. The Reserve at Creekside Intersection Improvements:

As part of the Reserve at Creekside Development, the Township is required to design and construct improvements to five intersections within 18 months from the first issuance of a building permit (or as soon as practicable thereafter) in accordance with the approved traffic study and PennDOT regulations. These intersections are Joshua Road and Flourtown Road, Joshua Road and Stenton Avenue, Flourtown Road, Cricket Road and Stenton Avenue, and both intersections of Militia Hill Road and Stenton Avenue. The Township received a Green-Light-Go Grant for the Joshua Road/Stenton Avenue intersection in the amount of \$593,312.00 and a 2019 County Transportation Program (CTP) grant for the Joshua Road/Flourtown Road intersection in the amount of \$199,504.00 which will help offset the cost of construction.

The traffic light installation project at the two intersections of Militia Hill Road and Stenton Avenue is complete and the signals were put into full operation on July 11, 2018.

The current status of the three remaining major intersection improvement projects is as follows:

Stenton/Flourtown/Cricket – The Township received the Highway Occupancy Permit for the construction of this intersection on March 30, 2018 and bids were received on April 11, 2018 with James D. Morrissey, Inc. (JDM) as the lowest responsive bidder at a cost of \$2,507,338.90. PECO and Verizon began utility pole relocations the week of April 9, 2018 and PECO finished the wire

relocation to the new poles on July 21, 2018. Relocation of Crown Castle's fiber optic cables, Comcast's communication facilities and Verizon's facilities are complete. A PADEP General Permit was issued in May, 2019. Preconstruction meetings were held on April 23<sup>rd</sup>, 2019 and May 1<sup>st</sup>, 2019 in order to reinitiate construction activities. JDM began construction on or about May 13<sup>th</sup>, 2019. On May 26, 2020, PECO completed relocation of gas mains in the fourth and final phase of the work, which would allow JDM to finalize their work. PennDOT has approved a modification to the detour plans to allow a closure of Stenton Avenue between Joshua Road and Flourtown/W. Valley Green starting August 3<sup>rd</sup>, 2020. As a result, A Notice to Proceed was issued to JDM on July 22, 2020. JDM plans to return to the site on or about August 10, 2020. At the contractor's request, a change order request was reviewed, recommended on June 30, 2020, and subsequently approved by the Board of Supervisors at their July 9, 2020 meeting. At the contractor's request, inspections were performed and a letter recommending partial release of payment was issued July 10, 2020.

Joshua/Stenton – The final submission for this intersection was made to PennDOT on April 23, 2018 with all outstanding issues resolved along with all the required documents that demonstrate the Township now owns the required rights-of-way and easements. The Township received the PennDOT Highway Occupancy Permit for construction of these intersection improvements on May 23, 2018. The Department of Public Works has completed the required tree trimming and removal and PECO, Comcast, and other utilities have substantially completed utility pole relocations and wire transfers. The Board of Supervisors Authorized bidding of this project June 13, 2019.

Joshua/Flourtown –The Board of Supervisors Authorized bidding of this project June 13, 2019. The Township received the PennDOT Highway Occupancy Permit for the construction of this intersection on October 18, 2019.

Bid documents were prepared for the construction work for both the Joshua/Stenton and Joshua/Flourtown intersections. The bids were opened on January 10, 2020 with Highway Materials, Inc. (HMI) as the lowest responsive bidder at a cost of \$4,231,068.00. On January 22, 2020, the Board of Supervisors authorized the issuance of a Notice of Intent to Award the bid of \$4,231,068.00. A written Contractor Responsibility Determination, Notice of Award and Notice to Proceed were issued February 24, 2020. A preconstruction meeting was held on February 25, 2020. The project is currently under construction and inspections of the project continue on a daily basis. Correspondence from the Department of Community and Economic Development (DCED) was received indicating that the Governor's calling for the closure of non-life-sustaining businesses does not appear to require the construction to cease. At the contractor's request, inspections were performed and letters recommending partial release of payment were issued April 13, 2020, May 7, 2020, May 12, 2020 and May 15, 2020. HMI has completed the 2<sup>nd</sup> phase of the work (Joshua Road, from Stenton Avenue North along the Cricket Club), and will move to the 3<sup>rd</sup> phase, moving the road closure to Stenton Avenue, from Joshua Road East, along the Cricket Club. This closure will begin on August 3<sup>rd</sup>, 2020.

The conditions of the contract documents and the Green-Light-Go Grant require that construction of work equal to the grant award amount at the intersection of Joshua Road & Stenton Avenue to be complete by May 15, 2020. The work was completed, invoices were submitted and provided to PennDOT. Grant reimbursement was approved by PennDOT and issued on 7/13/2020. In total, the Township was issued \$593,312.99 in Green-Light-Go Grant funding

4. Miles Park Field Improvements

The purpose of this project is to construct connective pathways in Miles Park. Field Survey and Base Mapping were performed and Construction Plans prepared. The Department of Public Works has completed construction of the connective asphalt paths. Plans for a porous asphalt trail along Joshua Road have been completed, and it is anticipated that The Department of Public Works will construct in August 2020.

5. Barren Hill Road Pre-Emption

The Traffic Signal Permit Plan has been revised to show the installation of emergency pre-emption devices at the intersection of Barren Hill Road, Cedar Grove Road and Hector Street. The plans were submitted to PennDOT for review and permitting. The revised signal permit plans were approved May 2, 2019 and the Township is authorized to proceed with the work. DPW and Engineering are in process of coordinating with contractor to install a supplemental optical pre-emption detector. In order to do so, the Township must obtain permits from PECO in order to attach equipment on their utility pole. The application and supporting information were submitted to PECO on March 19, 2020. The application was approved by the PUC on July 7, 2020, and PECO is now in process of conducting engineering and design analysis.

6. Germantown Pike Pedestrian Crossing

The purpose of this project is to improve the mid-block pedestrian crossing of Germantown Pike, near its intersection with Mayflower Road. The principal items of work to be performed under this project include: The installation of a new signal mast arm and signal pedestal with pushbutton activated Rectangular Rapid Flashing Beacons (RRFB) and associated signage as well as the construction of three (3) new ADA ramps with new crosswalk striping and other pavement markings. Field Survey, base mapping and preparation of construction documents have been completed. A new Traffic Signal Permit Plan was prepared and submitted to PennDOT for review and permitting (HOP App No. 193514) and a Highway Occupancy Permit (HOP) was issued on December 23, 2019. Preparation of bid documents is complete and the bid has been advertised to be publicly opened on May 14, 2020. Bids were publicly opened 5/14/20 and a bid evaluation issued 5/18/20. The Board authorized issuance of a Notice of Intent to Award the contract to Premier Concrete, Inc. for the amount of \$128,900.50, which was issued 6/12/2020. A Responsible Contractor determination, Notice of Award and Notice to Proceed were issued on 7/13/20. A preconstruction meeting was held on 7/8/20. The project is underway and inspections are performed on a daily basis. Concrete Curb Ramps have been installed, and it is anticipated that the mast arms and Rectangular Rapid Flash Beacons (RRFB) may be available in November. Production of these items is delayed due to plant closures related to COVID19.

7. Bethlehem Pike \ Skippack Pike \ Camp Hill Road Intersection

The purpose of this project is to add painted dashed lane extension lines through the intersection, to guide drivers through this 5-way intersection with poor sight distance. The PennDOT Traffic Signal Permit Plan was revised to show supplemental striping and signage in order to improve safety at this intersection. The plans were submitted to PennDOT and approved on June 26, 2019. Final Signed Mylar Signal Plans have been provided from PennDOT, and The Department of Public Works has completed installation of striping per the approved plans.

8. Flourtown & Colonial Intersection Improvements

The purpose of this project is to install a new traffic control signal at the intersection of Flourtown Road and Colonial Drive. Field Survey and Base Mapping were performed and Engineering Design and Preparation of Construction Plans and Traffic Signal Permit Plans for PennDOT approval is underway. A preconstruction meeting with PennDOT is required to initiate the permitting process. Operational changes due to COVID19 are in place at PennDOT, and we are working to schedule a virtual meeting.

**Environmental Issues**

Provide technical assistance as requested.

1. Outfall Field Screening – Permit Coverage

As part of the requirements of the Township's NPDES General Permit for Small MS4s, Minimum Control Measure (MCM) #3 requires illicit Discharge Detection and Elimination (IDD&E). Part of this MCM requires the Township to conduct outfall field screening, identify the source of any illicit discharges, and remove or correct any illicit discharges. Ongoing outfall screening is being performed and documented in accordance with these requirements.

**Road Opening Permits**

Review of permits continue on an as needed basis.

**Resident Drainage/ Stormwater Concerns**

Provide technical assistance as requested.

**Township Map Updates**

Review and update of Township Maps are performed on an ongoing basis.

**Zoning Hearing Board Application Reviews**

Review of applications requiring relief from Floodplain & Riparian Corridor Conservation District regulations and other relief continue on an as needed basis.

If you have any questions regarding this matter, please do not hesitate to contact me at this office.

WHITEMARSH TOWNSHIP  
**MEMORANDUM**  
PUBLIC WORKS DEPARTMENT

July 27, 2020

To: Rick Mellor, Township Manager

From: John J. Fields, Public Works Director

Re: Quarterly Report 4/1/2020 – 6/30/2020

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**PUBLIC WORKS DEPARTMENT**

- All Public Works employees are staying Healthy
- Temperature checks are working.
- Still disinfecting trucks and buildings every day
- I was able to fill four (4) Temporary employees for grass cutting in the Grounds Department for summer help.
- I was able to fill one (1) Temporary employee for a laborer in the Highway Department for summer help.
- Finished up cleaning all snow / salt (winter) equipment.
- 4/9/2020 storm work:
  - Two trees cleared on Stenton between Militia Hill and Butler
  - One tree cleared on Cannon Hill Road
  - Barricades placed at Stenton and Joshua / Militia Hill and Joshua for downed wires.
  - Cleared stone wall collapse on Cold Point Road.
  - Cleared storm drains though out the Township.
  - Joshua Road north bound traffic signal ant Skippack was staying on RED, called Signal Services.
- Worked with Krista to explore alternative storm pipe repair methods.
- Public Works Employees came back full time from Covid modified schedules on 4/27/2020.
- All Public Works Employees received the e-mail on the Covid-19 policies and were briefed on Monday Morning 4/27/2020 on new policies.
- 4/28/2020 Removed driveway drain at Library and filled with concrete and blacktop.
- 5/19/2020 Repaired open abandon Sewer Force Main at the intersection of Westaway and Fields Drive, corrected the water issue from pouring out of the curb.
- Foxwood Circle and Fields Drive open space; Public Works Crews removed tripping Hazards from the area.
- 6/3/2020 storm work, worked with all utility companies to have trees cleared from our roads.
- Aqua has started the Water Main Replacement on Butler Pike, between 15<sup>th</sup> Ave. and Ridge Pike
- All four (4) messages boards were placed for the intersection improvements for Joshua Road and Stenton Ave.
- Currently testing I pad for the Public Works Department to work with Traisr and PA1 calls', testing is working well.
- Meet several times with the residents at 41 and 42 Scarlet oak Drive over water run off concerns, both residents finally worked out differences.
- Did a site visit about a sink hole at 6018 Cannon Hill Road and found it was an old tree that was removed. No action required by Public Works.
- Looked into a request from Mike Drossner about the lighting on the AAA field. I did a site visit and it appears that the meter was removed from PECO and Mike is now looking into with PECO.
- 5/12/2020 Miles Park Storm water runoff project completed at driveway below Ambulance building was completed. Consisted of new storm pipe, new sidewalk, new storm water inlet and field drain near third base line of pony field along with new black top.

- Joshua Road and Skippack Pike traffic Signal repair, Signal Services has replacing the control cabinet and repaired all the wiring from the rodent infestation. All vegetation has been cleared at this intersection.
- Worked with Montgomery County Roads and Bridges on opening iron Bridge on West Valley Green Road.
- Swerp Inc. installed the cure in place pipe liner at 309 Summit Ave on 5/21/2020
- Marquis sink hole was an old septic tank and turned over to homeowner, no problem with storm drain.
- Camburn sink hole was a void in the ground from a previous repair, dug out and filled with stone and black top.
- West Generator was out yesterday 5/14/2020 to perform Preventive Maintenance on backup generators at Police and Highway departments.
- Working with Pendot and Signal Services with milling and overlay of Skippack Pike scheduled to start on Monday 5/18/2020 to make all traffic loops are repaired.
- Public Works filled Spring Mill Fire Co's. backup Generator.
- Entire Township was cleaned with street sweeper
- 6007 West Valley Green Road, tree on shed. Getting a surveyor to pin property lines to determine ownership of tree, Tree belongs to Whitmarsh Township, Dan Moore removed large branch from shed.
- 14 Marple lane tree on wires blocking. PECO notified and Nick is contacting EOC.

### **TRAFFIC SIGNALS / SIGNS and STREET LIGHTING**

- Wood Pole Street light for 149 Chinaberry. Was replaced from crash covered under insurance.
- Public Work crews trimmed trees at Ridge and Harts for sight issues with traffic signal on west bound lane.
- Safe crossings Co. come out and replace defective latches Week of 5/18/2020 on flood gates.
- Worked with Pendot and Signal Services with milling and overlay of Skippack Pike scheduled to start Today 5/19/2020 to make all traffic loops are repaired
- Flood gates had P.M. completed the week of 5/25/2020
- Ridge Pike and Spring Mill Road accident on 6/5/2020. Worked with D.V.I.T. and placed order for new Mask arm and signal.

### **ENGINEERING**

- 19 Laurence Place – Krista and I are working on a list of residents' concerns- working with Waist water to T.V. inspection for Storm pipe and Force Main that run under driveway
- Krista and I were on a phone conference for the SEPTA RIVER BANK STABILIZATION WORK for 2021.
- Worked with Krista to add line painting at Harts Lane between Barren Hill road and Cherrydale because of complaints of people driving on wrong side of road.
- Working with Krista to come up with a plan to repave walking paths off of Robin Lane.

### **FLEET DEPARTMENT**

- Jack and Tina completed the Asset Inventory for D.V.I.T. Equipment list for D.V.I.T. up to date
- Street Sweeper went to Plaster Equipment for repairs.

### **GROUNDS MAINTENANCE**

- Gary and his crew has planted flowers all around the buildings and signs.
- All Baseball infields have been weeded and are ready for play
- Hazzard Hangers in large trees at Miles Park and Leland Park. Areas of concern were caution taped off. Dan Moore took care of these items as a result of the wind storm.
- Grounds Crews performed annual mulching with mulch that we made in house.
- Grounds crews performed annual tree trimming at Buildings and parks.

**FACILITY MAINTENANCE**

- Joe Brown worked with Oliver to turn on A/C at the Township building.
- Joe Brown looked at all windows in twp. Building. 80% are operational
- Jack and Sean working on Bank maintenance issues.
- Joe Brown ordered plexi- glass for office widows.
- All rain gutters were cleaned out in all buildings
- Joe Brown is working on get a new quote for Township Building roof replacement (active roof leak) Budgeted item for 2020.
- Joe Brown installed plexi- glass for office widows.
- Delbuno Roofing replaced the roof on the front of the Township building.
- Exhaust fan needs to be repaired in Evidence Room
- Still working on prices to have the Salt Shed repaired

**POLICE DEPARMENT**

- Working with Lt. Keenan on pricing for 2021 vehicles

**PARK AND RECREATION DEPARTMENT**

- Dugout roofs were delivered to P.W. Yard. Waiting until we schedule around baseball to schedule installation, so we will not have close dugouts.

**WASTE WATER ATHORITY**

- Working Tom on any needs with the new Tax Office project.
- The Sewer authority has been very helpful with working with the Public Works Department with assisting us with Jet Truck and T.V. camera on sink hole repairs.

John Fields

## PLANNING AND ZONING DEPARTMENT SECOND QUARTER 2020 REPORT

### Zoning Permits Processed

- 131 Zoning Permit applications processed. (See breakdown below.)

TOTAL PERMITS PROCESSED FIRST QUARTER 2020: 102

	Non-Residential	Single Family Residential	Other Residential	TOTALS
Accessory Structures	4	67	4	75
Interior Alterations / Renovations	14	4	1	19
Demolition				0
New Construction		2	17	19
Additions		11		11
Signage				0
Solar Panels	1	1		2
Use & Occupancy	1			1
Cell Towers / Antennae				0
Other	3	1		4
<b>TOTALS</b>	<b>23</b>	<b>86</b>	<b>22</b>	<b>131</b>

\*Zoning Permits for Residential Interior Alterations only not required as of 1.1.19.

### Zoning Hearing Board Cases Processed &/or Heard

- 15 Zoning Hearing Board applications Processed &/or Heard. (See breakdown below.)

TOTAL APPLICATIONS PROCESSED &/OR HEARD FIRST QUARTER 2020: 19

ZHB Case #	Applicant & Property Address	Description	Status/ Decision
2019-21	601 Washington Street Associates, LP 601 Washington Street Conshohocken, PA 19428	Variances/Special Exception; 270 unit multi-family residential complex	Second Hearing held 7.10.19; continued to 9.11.19, 11.6.19, 11.13.19; ZHB Denied Application; Decision Appealed. Arguments in Common Pleas Court scheduled 8.3.20.
2019-32	Verity Associates, LP 6020 Cricket Road Flourtown, PA 19031	Variances; 2-Lot Subdivision (Dimensional, Location Requirements); Challenge Lot Size Requirement	Originally Scheduled to be Heard 10.2.19; Continued to 11.13.19, 12.11.19; Heard and continued to 1.8.20, 2.12.20; Heard; Continued to 4.21.20; Extended until 5.31.20 and 6.10.20 due to COVID-19; Heard on 6.22.20. Continued to 7.1.20 for decision.
2020-06	Crown Castle 400 Stenton Avenue Plymouth Meeting, PA 19462	Variances; 88' unipole within an existing fenced compound	Scheduled to be Heard 3.11.20; continued to 5.13.20; continued to 8.5.20
2020-07	Alfred and Kathleen Dezzi 857 Hamilton Drive Lafayette Hill, PA 19444	Variance; Generator (Location)	Approved 5.13.20
2020-08	MHP Conshohocken, LLC 10 Ridge Pike Conshohocken, PA 19428	Special Exception; Urgent Care Clinic/Physicians Office	Approved 4.22.20

2020-09	Benjamin Pabst and Briana Kreger 2 Village Way Plymouth Meeting, PA 19462	Variance; Fence (Location & Dimensional Requirements)	Approved 5.13.20
2020-10	Whitemarsh Hotel Associates, LP 432 Pennsylvania Avenue Fort Washington, PA 19034	Variances; Restaurant Use, outdoor seating, parking signage & floodplain	Scheduled to be Heard 4.21.20. Extended until 5.31.20 due to COVID-19; Scheduled to be heard on 7.1.2020. Reviewed by Planning Commission 5.26.20.
2020-11	John and Kristine Gallagher 4133 Buttercup Lane Plymouth Meeting, PA 19462	Variance; Deck (Use Limitations & Rear Yard Setback)	Approved 5.13.20
2020-12	Mark and Anne Dooley 7215 Sheaff Ln & 274 woodcock Ln Fort Washington, PA 19034	Request for Modification of ZHB#2017-29 conditions.	Time Waiver granted until 5.6.20; Continued to 6.30.2020; continued to, and scheduled to be heard 8.12.20
2020-13	Patti Maguire Ryanne & Wayne Paolini 4016 Pilgrim Road Plymouth Meeting, PA 19462	Special Exception; Swimming Pool (Location)	Approved 5.13.20
2020-14	Juli Bobman 3052 Dileo Drive Lafayette Hill, PA 19444	Variance; 2-Story Addition (Rear yard setback)	Approved 5.13.20
2020-15	Edward and Elizabeth Hales 6020 Sheaff Lane Fort Washington, PA 10-34	Variances; Deer Fencing (Location & Height)	Approved 6.10.20
2020-16	Frank and Bridget Watton 331 Hillcrest Avenue Conshohocken, PA 19428	Variances; Shed (Dimensional, Building Coverage, Impervious Coverage)	Approved 6.10.20
2020-17	Daniel and Cathrine Ryan 301 Williams Road Fort Washington, PA 19034	Variances; In-ground Pool & Patio (Impervious Coverage)	Scheduled to be Heard 7.1.20
2020-18	Janene Dugan 108 E. Fourteenth Avenue Conshohocken, PA 19428	Variances; Addition and Pool (Building Coverage, Impervious Coverage & Dimensional Variances)	Scheduled to be Heard 8.12.20

Conditional Use Applications Processed &/or Heard

- 0 New Applications  
TOTAL APPLICATIONS FIRST QUARTER 2020: 1

Subdivision & Land Development Applications Processed &/or Heard

- 2 New Applications  
TOTAL APPLICATIONS FIRST QUARTER 2020: 1

SLD#	Project Name	Description	Status
#01-20	Kevin and Donna McBurney 4013 Crescent Avenue Lafayette Hill, PA 19444	2-Lot Minor Subdivision/Lot Line Change	Received 5.18.20; Scheduled on the 7.14.20 Planning Commission agenda
#02-20	Federal Realty (Flourtown Shopping Center) 1842 Bethlehem Pike Flourtown, PA 19031	Sketch Plan/Bank & Restaurant (portions in both Whitemarsh and Springfield Townships)	Received 6.10.20; Under Review

Actions Taken on Prior Subdivision & Land Development Applications

SLD#	Project Name	Description	Status
#02-13	Washington Street Associates III LP 401 & 433 Washington Street Conshohocken, PA 19428	598 Residential Units/ 4 Buildings	Conditional Final Approval 5.28.15; revised finals 7.2017; inactive since then
#05-14	901 Washington Partners, LP 901 Washington Street Conshohocken, PA 19428	Townhomes; Sketch Plan	Sketch reviewed by PC 7.24.18; ZHB Approval 2.13.19. Preliminary Plan Submitted 10.4.19; PC Reviews Underway, most recently on 5.26.20.
#11-15	Corson Estate 4006 Butler Pike Plymouth Meeting, PA 19462	Originally 48 Townhouse Units (Sketch); Now 67 Townhouse Units (Additional Property added)	Conditional Use approved with 22 conditions 10.25.18; decision appealed. Initial Preliminary Plans Reviewed; Revised Preliminary Plans Filed 9.12.19; reviewed. PC recommended denial 12.10.19. Anticipated revised plans; none submitted.
#12-15	60 Flourtown Road 60 Flourtown Road Plymouth Meeting, PA 19462	1-story Storage Garage	Preliminary Plan approved; building and site improvements completed. Final Plan to be submitted for approval.
#06-18	Ben Sparango 14 E. Germantown Pike Plymouth Meeting, PA 19462	21-Single Family Attached Dwellings	Informal reviews of plan by HARB; PC reviewed sketch 9.25.18. ZHB Denied Variances 7.16.19. HARB reviewed proposed demolition of Barn 9.11.19, 10.16.19, 11.13.19 & 12.11.19 - tabled pending withdrawal of application; withdrawn 1.8.20.
#08-18	Judd Associates, LP Militia Hill Rd & Stenton Ave Plymouth Meeting, PA 19462	Zoning Text Amendment for Single-Family Attached Dwellings in CLI District; 61 Unit Townhouse Concept Plan	Zoning Text Amendment received 12.21.18; PC recommended denial and that BOS not hold hearing, 4.9.19. No hearing held.
#09-18	601 Washington Street Associates, LP 601 Washington Street Conshohocken, PA 19428	270 Unit Residential Apartment Complex	PC reviewed Sketch Plan 3.12.19; PC reviewed ZHB application 6.25.19/ZHB denied application 11.13.19. Preliminary plans not reviewed.
#02-19	Argos Associates/Adelphia Butler Pike Blue Bell, PA 19422	Sketch Plan / 60 Townhomes	PC reviewed Sketch Plan 5.28.19. Preliminary Plan (58 Units) filed 6.13.19; Review to follow Conditional Use Decision (10.10.19). Revised Preliminary Plans reviewed by PC 6.23.20.
#03-19	Sunnybrook Golf Club 398 Stenton Avenue Plymouth Meeting, PA 19462	Minor Subdivision / Lot Line Change	ZHB approved on 4.10.19. PC reviewed 4.23.19; BOS heard 5.9.19; Tabled; Approved 1.23.20.
#05-19	Whitemarsh Township 616 Germantown Pike Lafayette Hill, PA 19444	Selective Comprehensive Plan Update	PC reviewed on 7.23.19; continued discussions 8.19.19, 8.27.19, 9.10.19, 9.24.19, 10.22.19, 2.25.20 & 3.10.20. Revised draft (May 2020) posted on website 6.2.20. Sent for external agency reviews 6.12.20.
#06-19	FYBM, Inc. (Scoogi's Classic Italian) 738 Bethlehem Pike Flourtown, PA 19031	Sketch Plan/Minor Addition, Outdoor Patios & Associated Improvements	Received 5.10.19; Reviewed by staff. On hold at applicant's request.

#08-19	Verity Associates, LP 6020 Cricket Road Flourtown, PA 19031	2-Lot Minor Subdivision	Received 7.26.19; Scheduled for ZHB 10.2.19; Continuance Requested to 11.13.19, 12.1.19 when heard, then continued to 1.8.20, 2.12.20 (heard); continued to 5.31.20; 6.10.20, 6.22.20 (heard); Decision scheduled for 7.1.20.
#09-19	Conference Facilities, Inc. 800 Ridge Pike Lafayette Hill, PA 19444	2-Lot Minor Subdivision	PC reviewed on 1.28.20; No motion succeeded. Message sent to the Board of Supervisors that the Planning Commission was unable to take action; no recommendation. BOS interested in meeting with applicant, has not been set.
#10-19	McKay Family Holdings 650 Germantown Pike Lafayette Hill, PA 10444	Minor Land Development / 3-Bay Golf Clinic	Received 2.25.20; Reviewed 3.25.20; Requires ZHB approval; no application submitted.
#11-19	Mercedes Benz of Fort Washington 404 Pennsylvania Avenue Fort Washington, PA 19034	Land Development Waiver / 3-Lane Canopy & Associated Parking	PC reviewed on 1.28.20; Waiver recommended for approval subject to obtaining appropriate permits. Then held up due to question of compliance with impervious coverage limit set by previous ZHB decision. Applicant put project "on hold" by letter 6.1.20.

#### Violations

- Peter M. Pollock, 4136 Jackson Drive, Lafayette Hill, PA; Illegal Parking of Commercial Vehicles, Illegal Business; fined in 2019 by District Court; report of continued suspicious activity but inadequate evidence to pursue.
- Terri Skalecki, 534 Bethlehem Pike, Fort Washington, PA; Illegal Installation of Trailer; property in process of being sold; informed realtor of issue.
- Harner Realty 1, LLC, c/o Reid Buerger, 6101 Sheaff Lane, Fort Washington, PA; Illegal Parking of Commercial Vehicles, possible Illegal business; formal violation filed; outcome pending. [Note: Applicant filed appeal to Zoning Hearing Board 7/22/2020.]
- Christopher M. Arader and Paige Roberts, 2101 Harts Lane, Conshohocken, PA; Illegal Parking of Commercial Vehicles, Illegal Business; Violation was withdrawn following additional information provided by property owner's attorney.
- Dennis Donovan, 217 E. 14<sup>th</sup> Avenue, Conshohocken, PA; Illegal Parking of Vehicles; No Further Action Taken; resolved through discussion with property owner.

#### Additional Activities:

- Director attended Ridge Pike (Zoom) status meetings for sections between Butler Pike and Crescent Avenue and between Crescent Avenue and the city line (Sections C and D).
- Director hosted June Shade Tree Commission meeting for Assistant Township Manager Halbom during his absence for family leave.

# Whitemarsh Township, PA

616 Germantown Pike

Lafayette Hill, PA 19444-1921

Phone: 610-825-3535 | Fax: 610-825-6252



## Monthly Financial Report For 04/01/2020 to 06/30/2020

### Residential

PERMIT TYPE	CURRENT MONTH	YEAR-TO-DATE	LAST YEAR-TO-DATE
Alterations / Additions	27 \$11,930.00	60 \$26,350.00	57 \$20,185.00
Cell Tower Equipment	0 \$0.00	0 \$0.00	1 \$215.00
Covered Patios / Decks	6 \$885.00	7 \$1,060.00	4 \$620.00
Driveways / Walkway / Steps / Retaining Walls	3 \$250.00	8 \$750.00	13 \$1,700.00
Fences	26 \$2,600.87	40 \$3,780.87	45 \$4,615.00
Misc. Temporary Permits	1 \$70.00	1 \$70.00	2 \$295.00
New Dwellings	18 \$21,775.00	59 \$74,900.00	48 \$42,160.00
Pools	3 \$1,035.00	4 \$1,330.00	4 \$1,830.00
Roofing & Siding	35 \$3,894.50	70 \$8,734.50	99 \$10,755.00
Sheds / Accessory Building / Pergola / Gazebo	4 \$570.00	4 \$570.00	2 \$175.00
Sheds, Decks & Patios	10 \$1,895.00	17 \$3,525.00	11 \$2,185.00
Solar Panels	0 \$0.00	0 \$0.00	2 \$295.00
Temporary Dumpster / PSU / Trailer	8 \$45.00	15 \$45.00	18 \$185.00
Uncovered Patios / Decks	10 \$2,730.00	14 \$3,610.00	9 \$2,685.00
<b>TOTAL</b>	<b>151 \$47,280.37</b>	<b>299 \$124,725.37</b>	<b>315 \$87,900.00</b>

### Non-Residential

PERMIT TYPE	CURRENT MONTH	YEAR-TO-DATE	LAST YEAR-TO-DATE
Alterations / Additions	15 \$18,825.00	21 \$70,075.00	18 \$27,828.00
Cell Tower Equipment	0 \$0.00	1 \$255.00	6 \$2,885.00
Covered Patios / Decks	0 \$0.00	0 \$0.00	0 \$0.00
Demolition	2 \$560.00	2 \$560.00	2 \$335.00
Driveways / Walkway / Steps / Retaining Walls	0 \$0.00	1 \$150.00	1 \$140.00
Fences	2 \$95.00	2 \$95.00	0 \$0.00
Misc. Temporary Permits	3 \$525.00	6 \$1,050.00	4 \$700.00
New Construction	0 \$0.00	2 \$13,100.00	3 \$13,275.00
Pools	0 \$0.00	0 \$0.00	0 \$0.00
Roofing & Siding	2 \$2,250.00	3 \$2,740.00	4 \$265.00
Sheds / Accessory Building / Pergola / Gazebo	0 \$0.00	1 \$110.00	0 \$0.00
Sheds / Accessory Structure / Windmills	1 \$1,575.00	1 \$1,575.00	3 \$900.00
Signs	2 \$225.00	5 \$475.00	7 \$749.50
Solar Panels	0 \$0.00	0 \$0.00	0 \$0.00
Temporary Dumpster / PSU / Trailer	0 \$0.00	3 \$0.00	1 \$45.00
Uncovered Patios / Decks	0 \$0.00	1 \$175.00	0 \$0.00
<b>TOTAL</b>	<b>27 \$24,055.00</b>	<b>49 \$90,360.00</b>	<b>49 \$47,122.50</b>

# Whitemarsh Township, PA

616 Germantown Pike

Lafayette Hill, PA 19444-1921

Phone: 610-825-3535 | Fax: 610-825-6252



## Monthly Financial Report For 04/01/2020 to 06/30/2020

PERMIT TYPE	CURRENT MONTH		YEAR-TO-DATE		LAST YEAR-TO-DATE	
Building Permit	0	\$0.00	0	\$0.00	0	\$0.00
Electrical	73	\$41,985.00	175	\$183,235.00	150	\$16,565.50
Fire Protection	10	\$3,675.00	38	\$10,103.00	51	\$9,510.00
Land Development Project	0	\$0.00	0	\$0.00	0	\$0.00
Mechanical	55	\$5,200.00	139	\$16,260.00	142	\$16,295.00
Plumbing	59	\$6,390.00	139	\$15,250.00	120	\$13,669.50
Rental Properties	0	\$0.00	0	\$0.00	0	\$0.00
Solar Panels	0	\$0.00	0	\$0.00	0	\$0.00
Use and Occupancy	22	\$1,225.00	50	\$2,750.00	62	\$2,650.00
Zoning	5	\$255.00	8	\$390.00	6	\$250.00
Zoning Hearing Board	0	\$0.00	0	\$0.00	0	\$0.00
<b>TOTAL</b>	<b>224</b>	<b>\$58,730.00</b>	<b>549</b>	<b>\$227,988.00</b>	<b>531</b>	<b>\$58,940.00</b>

# Whitemarsh Township, PA

616 Germantown Pike

Lafayette Hill, PA 19444-1921

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## Monthly Financial Report For 04/01/2020 to 04/30/2020

### Residential

PERMIT TYPE	CURRENT MONTH	YEAR-TO-DATE	LAST YEAR-TO-DATE
Alterations / Additions	0 \$0.00	33 \$14,420.00	38 \$12,290.00
Cell Tower Equipment	0 \$0.00	0 \$0.00	1 \$215.00
Covered Patios / Decks	0 \$0.00	1 \$175.00	1 \$165.00
Driveways / Walkway / Steps / Retaining Walls	0 \$0.00	5 \$500.00	8 \$1,275.00
Fences	0 \$0.00	14 \$1,180.00	24 \$2,355.00
Misc. Temporary Permits	0 \$0.00	0 \$0.00	1 \$95.00
New Dwellings	0 \$0.00	41 \$53,525.00	33 \$25,965.00
Pools	0 \$0.00	1 \$295.00	3 \$1,685.00
Roofing & Siding	4 \$364.00	39 \$5,204.00	74 \$8,605.00
Sheds / Accessory Building / Pergola / Gazebo	0 \$0.00	0 \$0.00	2 \$175.00
Sheds, Decks & Patios	0 \$0.00	7 \$1,630.00	8 \$1,185.00
Solar Panels	0 \$0.00	0 \$0.00	2 \$295.00
Temporary Dumpster / PSU / Trailer	0 \$0.00	7 \$0.00	12 \$45.00
Uncovered Patios / Decks	0 \$0.00	4 \$880.00	3 \$1,120.00
<b>TOTAL</b>	<b>4 \$364.00</b>	<b>152 \$77,809.00</b>	<b>210 \$55,470.00</b>

### Non-Residential

PERMIT TYPE	CURRENT MONTH	YEAR-TO-DATE	LAST YEAR-TO-DATE
Alterations / Additions	1 \$6,225.00	7 \$57,475.00	11 \$24,743.00
Cell Tower Equipment	0 \$0.00	1 \$255.00	3 \$1,100.00
Covered Patios / Decks	0 \$0.00	0 \$0.00	0 \$0.00
Demolition	0 \$0.00	0 \$0.00	1 \$70.00
Driveways / Walkway / Steps / Retaining Walls	0 \$0.00	1 \$150.00	0 \$0.00
Fences	0 \$0.00	0 \$0.00	0 \$0.00
Misc. Temporary Permits	0 \$0.00	3 \$525.00	2 \$350.00
New Construction	0 \$0.00	2 \$13,100.00	3 \$13,275.00
Pools	0 \$0.00	0 \$0.00	0 \$0.00
Roofing & Siding	0 \$0.00	1 \$490.00	2 \$110.00
Sheds / Accessory Building / Pergola / Gazebo	0 \$0.00	1 \$110.00	0 \$0.00
Sheds / Accessory Structure / Windmills	0 \$0.00	0 \$0.00	2 \$700.00
Signs	0 \$0.00	3 \$250.00	2 \$225.00
Solar Panels	0 \$0.00	0 \$0.00	0 \$0.00
Temporary Dumpster / PSU / Trailer	0 \$0.00	3 \$0.00	1 \$45.00
Uncovered Patios / Decks	0 \$0.00	1 \$175.00	0 \$0.00
<b>TOTAL</b>	<b>1 \$6,225.00</b>	<b>23 \$72,530.00</b>	<b>27 \$40,618.00</b>

# Whitemarsh Township, PA

616 Germantown Pike

Lafayette Hill, PA 19444-1921

Phone: 610-825-3535 | Fax: 610-825-6252



## Monthly Financial Report For 04/01/2020 to 04/30/2020

PERMIT TYPE	CURRENT MONTH	YEAR-TO-DATE	LAST YEAR-TO-DATE
Building Permit	0 \$0.00	0 \$0.00	0 \$0.00
Electrical	1 \$1,490.00	103 \$142,740.00	105 \$12,506.00
Fire Protection	0 \$0.00	28 \$6,428.00	37 \$7,070.00
Land Development Project	0 \$0.00	0 \$0.00	0 \$0.00
Mechanical	3 \$545.00	87 \$11,605.00	84 \$10,030.00
Plumbing	6 \$575.00	86 \$9,435.00	85 \$10,159.50
Rental Properties	0 \$0.00	0 \$0.00	0 \$0.00
Solar Panels	0 \$0.00	0 \$0.00	0 \$0.00
Use and Occupancy	7 \$175.00	35 \$1,700.00	43 \$1,600.00
Zoning	0 \$0.00	3 \$135.00	2 \$90.00
Zoning Hearing Board	0 \$0.00	0 \$0.00	0 \$0.00
<b>TOTAL</b>	<b>17 \$2,785.00</b>	<b>342 \$172,043.00</b>	<b>356 \$41,455.50</b>

# Whitemarsh Township, PA

616 Germantown Pike

Lafayette Hill, PA 19444-1921

Phone: 610-825-3535 | Fax: 610-825-6252



## Monthly Financial Report For 05/01/2020 to 05/31/2020

### Residential

PERMIT TYPE	CURRENT MONTH	YEAR-TO-DATE	LAST YEAR-TO-DATE
Alterations / Additions	12 \$3,865.00	45 \$18,285.00	46 \$14,510.00
Cell Tower Equipment	0 \$0.00	0 \$0.00	1 \$215.00
Covered Patios / Decks	0 \$0.00	1 \$175.00	4 \$620.00
Driveways / Walkway / Steps / Retaining Walls	1 \$85.00	6 \$585.00	9 \$1,370.00
Fences	13 \$1,215.87	27 \$2,395.87	33 \$3,365.00
Misc. Temporary Permits	0 \$0.00	0 \$0.00	2 \$295.00
New Dwellings	13 \$17,925.00	54 \$71,450.00	44 \$42,160.00
Pools	0 \$0.00	1 \$295.00	4 \$1,830.00
Roofing & Siding	14 \$1,355.00	53 \$6,559.00	83 \$9,395.00
Sheds / Accessory Building / Pergola / Gazebo	1 \$0.00	1 \$0.00	2 \$175.00
Sheds, Decks & Patios	2 \$440.00	9 \$2,070.00	9 \$1,465.00
Solar Panels	0 \$0.00	0 \$0.00	2 \$295.00
Temporary Dumpster / PSU / Trailer	2 \$45.00	9 \$45.00	15 \$140.00
Uncovered Patios / Decks	4 \$1,035.00	8 \$1,915.00	4 \$1,300.00
<b>TOTAL</b>	<b>62 \$25,965.87</b>	<b>214 \$103,774.87</b>	<b>258 \$77,135.00</b>

### Non-Residential

PERMIT TYPE	CURRENT MONTH	YEAR-TO-DATE	LAST YEAR-TO-DATE
Alterations / Additions	6 \$1,740.00	13 \$59,215.00	14 \$25,628.00
Cell Tower Equipment	0 \$0.00	1 \$255.00	5 \$2,440.00
Covered Patios / Decks	0 \$0.00	0 \$0.00	0 \$0.00
Demolition	0 \$0.00	0 \$0.00	2 \$335.00
Driveways / Walkway / Steps / Retaining Walls	0 \$0.00	1 \$150.00	1 \$140.00
Fences	1 \$10.00	1 \$10.00	0 \$0.00
Misc. Temporary Permits	0 \$0.00	3 \$525.00	2 \$350.00
New Construction	0 \$0.00	2 \$13,100.00	3 \$13,275.00
Pools	0 \$0.00	0 \$0.00	0 \$0.00
Roofing & Siding	0 \$0.00	1 \$490.00	3 \$190.00
Sheds / Accessory Building / Pergola / Gazebo	0 \$0.00	1 \$110.00	0 \$0.00
Sheds / Accessory Structure / Windmills	0 \$0.00	0 \$0.00	3 \$900.00
Signs	1 \$100.00	4 \$350.00	5 \$550.00
Solar Panels	0 \$0.00	0 \$0.00	0 \$0.00
Temporary Dumpster / PSU / Trailer	0 \$0.00	3 \$0.00	1 \$45.00
Uncovered Patios / Decks	0 \$0.00	1 \$175.00	0 \$0.00
<b>TOTAL</b>	<b>8 \$1,850.00</b>	<b>31 \$74,380.00</b>	<b>39 \$43,853.00</b>

# Whitemarsh Township, PA

616 Germantown Pike

Lafayette Hill, PA 19444-1921

Phone: 610-825-3535 | Fax: 610-825-6252



## Monthly Financial Report For 05/01/2020 to 05/31/2020

PERMIT TYPE	CURRENT MONTH	YEAR-TO-DATE	LAST YEAR-TO-DATE
Building Permit	0 \$0.00	0 \$0.00	0 \$0.00
Electrical	34 \$15,795.00	137 \$158,535.00	127 \$14,456.00
Fire Protection	3 \$500.00	31 \$6,928.00	45 \$8,435.00
Land Development Project	0 \$0.00	0 \$0.00	0 \$0.00
Mechanical	23 \$2,090.00	110 \$13,695.00	110 \$12,950.00
Plumbing	27 \$2,630.00	113 \$12,065.00	100 \$11,949.50
Rental Properties	0 \$0.00	0 \$0.00	0 \$0.00
Solar Panels	0 \$0.00	0 \$0.00	0 \$0.00
Use and Occupancy	5 \$525.00	40 \$2,225.00	52 \$1,950.00
Zoning	1 \$75.00	4 \$210.00	4 \$160.00
Zoning Hearing Board	0 \$0.00	0 \$0.00	0 \$0.00
<b>TOTAL</b>	<b>93 \$21,615.00</b>	<b>435 \$193,658.00</b>	<b>438 \$49,900.50</b>

# Whitemarsh Township, PA

616 Germantown Pike

Lafayette Hill, PA 19444-1921

Phone: 610-825-3535 | Fax: 610-825-6252



## Monthly Financial Report For 06/01/2020 to 06/30/2020

### Residential

PERMIT TYPE	CURRENT MONTH	YEAR-TO-DATE	LAST YEAR-TO-DATE
Alterations / Additions	15 \$8,065.00	60 \$26,350.00	57 \$20,185.00
Cell Tower Equipment	0 \$0.00	0 \$0.00	1 \$215.00
Covered Patios / Decks	6 \$885.00	7 \$1,060.00	4 \$620.00
Driveways / Walkway / Steps / Retaining Walls	2 \$165.00	8 \$750.00	13 \$1,700.00
Fences	13 \$1,385.00	40 \$3,780.87	45 \$4,615.00
Misc. Temporary Permits	1 \$70.00	1 \$70.00	2 \$295.00
New Dwellings	5 \$3,450.00	59 \$74,900.00	48 \$42,160.00
Pools	3 \$1,035.00	4 \$1,330.00	4 \$1,830.00
Roofing & Siding	17 \$2,175.50	70 \$8,734.50	99 \$10,755.00
Sheds / Accessory Building / Pergola / Gazebo	3 \$570.00	4 \$570.00	2 \$175.00
Sheds, Decks & Patios	8 \$1,455.00	17 \$3,525.00	11 \$2,185.00
Solar Panels	0 \$0.00	0 \$0.00	2 \$295.00
Temporary Dumpster / PSU / Trailer	6 \$0.00	15 \$45.00	18 \$185.00
Uncovered Patios / Decks	6 \$1,695.00	14 \$3,610.00	9 \$2,685.00
<b>TOTAL</b>	<b>85 \$20,950.50</b>	<b>299 \$124,725.37</b>	<b>315 \$87,900.00</b>

### Non-Residential

PERMIT TYPE	CURRENT MONTH	YEAR-TO-DATE	LAST YEAR-TO-DATE
Alterations / Additions	8 \$10,860.00	21 \$70,075.00	18 \$27,828.00
Cell Tower Equipment	0 \$0.00	1 \$255.00	6 \$2,885.00
Covered Patios / Decks	0 \$0.00	0 \$0.00	0 \$0.00
Demolition	2 \$560.00	2 \$560.00	2 \$335.00
Driveways / Walkway / Steps / Retaining Walls	0 \$0.00	1 \$150.00	1 \$140.00
Fences	1 \$85.00	2 \$95.00	0 \$0.00
Misc. Temporary Permits	3 \$525.00	6 \$1,050.00	4 \$700.00
New Construction	0 \$0.00	2 \$13,100.00	3 \$13,275.00
Pools	0 \$0.00	0 \$0.00	0 \$0.00
Roofing & Siding	2 \$2,250.00	3 \$2,740.00	4 \$265.00
Sheds / Accessory Building / Pergola / Gazebo	0 \$0.00	1 \$110.00	0 \$0.00
Sheds / Accessory Structure / Windmills	1 \$1,575.00	1 \$1,575.00	3 \$900.00
Signs	1 \$125.00	5 \$475.00	7 \$749.50
Solar Panels	0 \$0.00	0 \$0.00	0 \$0.00
Temporary Dumpster / PSU / Trailer	0 \$0.00	3 \$0.00	1 \$45.00
Uncovered Patios / Decks	0 \$0.00	1 \$175.00	0 \$0.00
<b>TOTAL</b>	<b>18 \$15,980.00</b>	<b>49 \$90,360.00</b>	<b>49 \$47,122.50</b>

# Whitemarsh Township, PA

616 Germantown Pike

Lafayette Hill, PA 19444-1921

Phone: 610-825-3535 | Fax: 610-825-6252



## Monthly Financial Report For 06/01/2020 to 06/30/2020

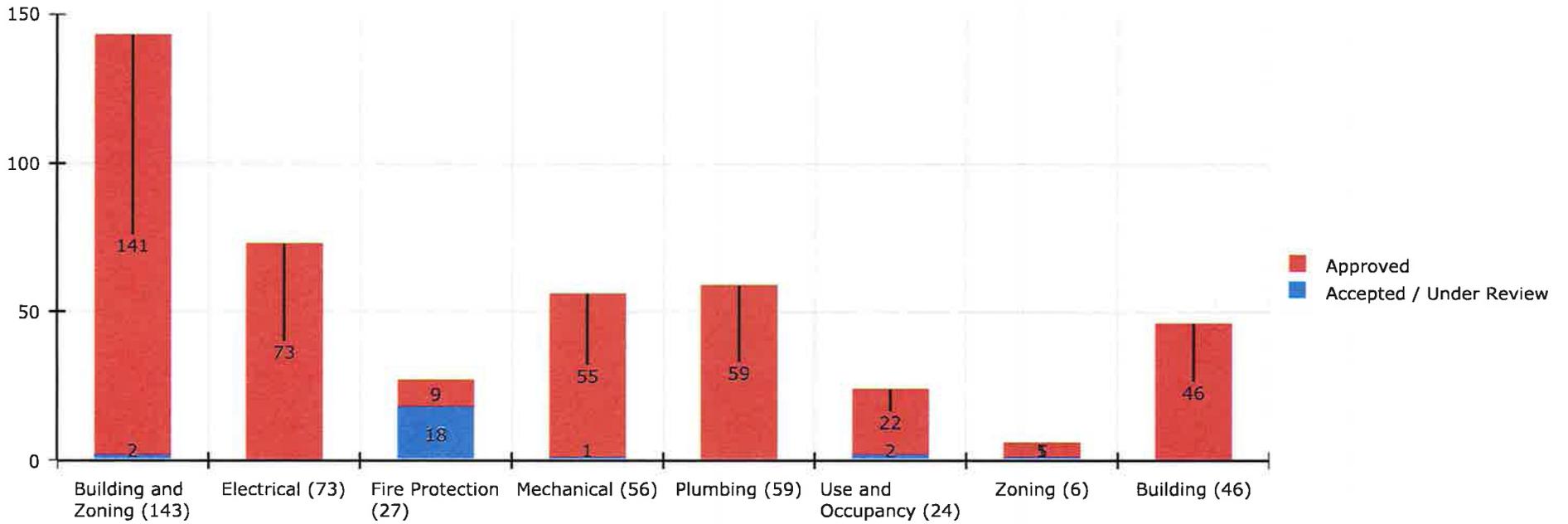
PERMIT TYPE	CURRENT MONTH	YEAR-TO-DATE	LAST YEAR-TO-DATE
Building Permit	0 \$0.00	0 \$0.00	0 \$0.00
Electrical	38 \$24,700.00	175 \$183,235.00	150 \$16,565.50
Fire Protection	7 \$3,175.00	38 \$10,103.00	51 \$9,510.00
Land Development Project	0 \$0.00	0 \$0.00	0 \$0.00
Mechanical	29 \$2,565.00	139 \$16,260.00	142 \$16,295.00
Plumbing	26 \$3,185.00	139 \$15,250.00	120 \$13,669.50
Rental Properties	0 \$0.00	0 \$0.00	0 \$0.00
Solar Panels	0 \$0.00	0 \$0.00	0 \$0.00
Use and Occupancy	10 \$525.00	50 \$2,750.00	62 \$2,650.00
Zoning	4 \$180.00	8 \$390.00	6 \$250.00
Zoning Hearing Board	0 \$0.00	0 \$0.00	0 \$0.00
<b>TOTAL</b>	<b>114 \$34,330.00</b>	<b>549 \$227,988.00</b>	<b>531 \$58,940.00</b>

# Permit Report *April - June*

Total: 434



### Permits by Type and Status



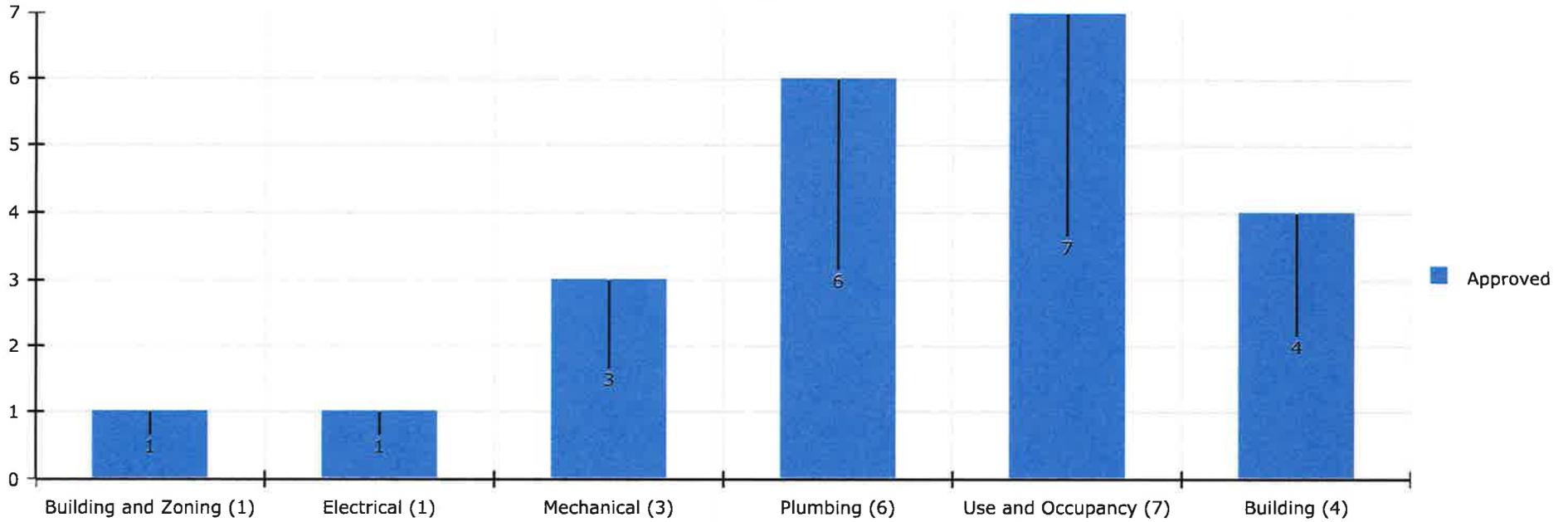
# Permit Report

April 2020

Total: 22



### Permits by Type and Status



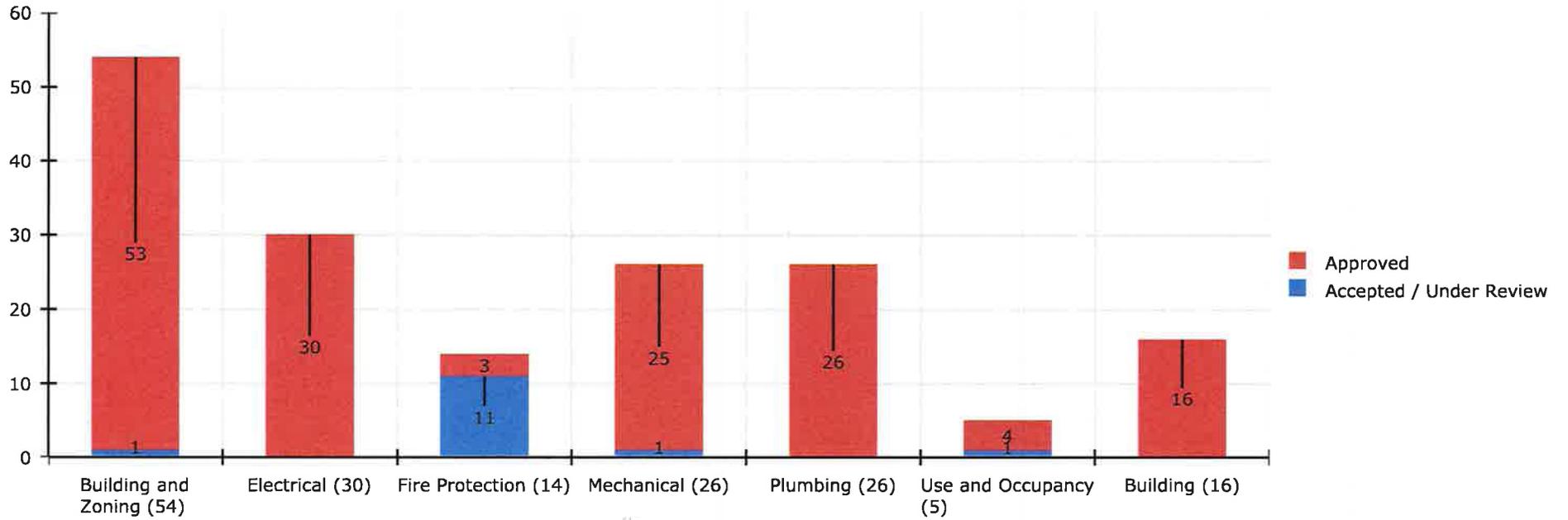
# Permit Report

May 2020

Total: 171



### Permits by Type and Status



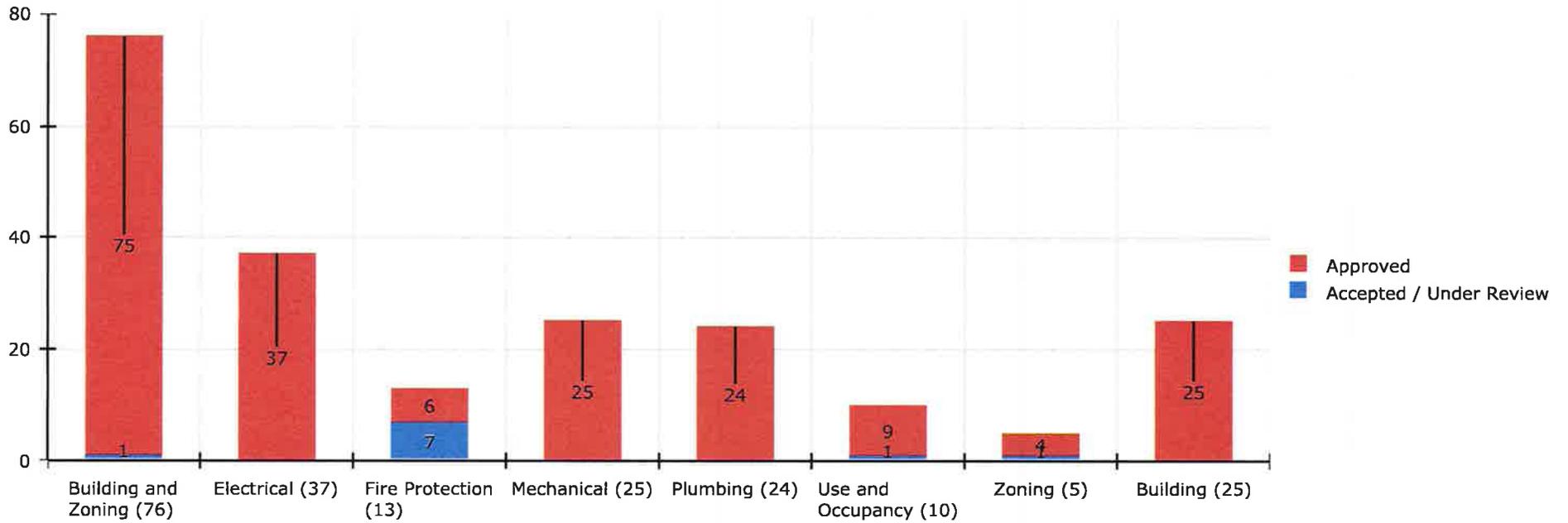
# Permit Report

June 2020

Total: 215



### Permits by Type and Status



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## WHITEMARSH TOWNSHIP

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**To:** Rick Mellor, Township Manager

**From:** NICHOLAS W. WEAVER, FIRE MARSHAL

**Subject:** **2020 2nd Quarter Report**

**Date:** July 30, 2020

**cc:**

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The second quarter of 2020 was surprisingly more eventful than one would have expected during a global crisis. As we head into the third quarter and hurricane season we have been plagued with storms, protests, and hazardous materials incidents to tack onto weathering COVID-19. Working remotely for one month was a challenge to overcome for my department and I was successful in maintaining coordination with our emergency services during that time. The creation of new policies to safely return to work have been successful with minimal criticism. These policies are well beyond what other municipalities have been doing for the good, ensuring the priority is on the safety of our employees while maintaining continuity of government. With proper tracking and oversight we kept the expenses for the COVID-19 response for the first half of the year to under \$17,000. That number may seem large, but with our township only purchasing what is truly needed we pale in comparison to other local municipalities that are nearing \$100,000. The Federal and State Grant has already been submitted for full reimbursement and additional expenses for the next quarter are following the same path. Building new relationships with residents and business has been a unique experience with social distancing; I have only just met people the past few weeks that I have been working virtually with for months. These challenging times have shed light on deficits in my department's planning that we are aggressively overcoming. With each new challenge a new policy, program, or plan is made or altered to correctly react and mitigate the problem. The Fire Marshal's Office and Emergency Management Team are quickly putting out metaphorical (and some real) fires as they come up, as well as actively curtailing them from arising. This success is only made apparent by the joined efforts and support of all the departments of the township. Please see my report below for our second quarter of 2020:

- Notable Incidents:
  - While working remotely per the Township Manager's orders I was able to monitor incidents through our Active911 and was able to respond to incidents as needed.
  - 4/13/20-2314 N. Gilinger Road Hazardous Materials Incident
    - Homeowner cut a refrigerant line on an old refrigerator releasing Freon
  - 4/14/20-Assisted FM-243 with a building fire investigation
  - 4/20/20-Sunnybrook Golf Club 398 Stenton Ave

**Nicholas W. Weaver**  
**Fire Marshal**  
616 Germantown Pike  
Lafayette Hill, PA 19444  
Phone: 610-825-3535 ext. 2614  
Email: [nweaver@whitemarshwp.org](mailto:nweaver@whitemarshwp.org)

- Flash Fire in the kitchen with minor injury
  - 4/30/20-Storms hit the area causing multiple wires incidents
  - 5/12/20-Whitemarsh Valley Inn: PECO requested assistance with gaining access to the building. FD & FM forced entry into the structure and PECO secured the utilities. The building was posted as uninhabitable. We worked with the lease holder to get their utilities restored so their lease could be terminated with no penalties. The business is permanently closed
  - 5/21/20 PW High School HazMat-Report of a white fog in the science wing by facilities/maintenance. The County HazMat team was called into assist in determining it was a steam release
  - 6/3/20 Severe Thunderstorms:
    - Multiple homes damaged, wires down, trees down, and road closures
- Training
  - Worked on continuing education through online learning for the following disciplines: fire investigation, emergency medical services, code enforcement.
  - Obtained certification in Traffic Incident Management (TIMs) from Pennsylvania. This is a course developed by The Turnpike Commission, National Fire Academy, and PennDOT for responders to highway incidents
  - Obtained the International Association of Arson Investigator's Fire Investigation Technician Certification.
  - Participated in multiple FEMA and Center of Domestic Preparedness courses virtually.
- Fire & EMS Departments:
  - June's Emergency Services Board successfully held virtually
    - April was cancelled and only reports distributed due to COVID-19
  - Contacted the Office of the State Fire Commissioner to obtain Whitemarsh Township's FDID to complete incident reports through PennFIRS and submit for state grants.
  - Supported the fire department's responses to incidents
- Emergency Management:
  - See below for COVID-19 info
  - Emergency Management Coordinator PEMA Appointment was confirmed, the process was delayed due to COVID-19
  - SEPTA Mass Casualty Drill planned for September was cancelled by the County
  - Demonstrations were held at Mile's Park on 6/1/20, 6/26/20, and 6/28/20
    - Provided coordination and planning through the Office of Emergency Management.
- Inspections/Code Enforcement:
  - The Commonwealth had stopped all non-essential construction and inspections during the red phase with the exception of locations possessing a waiver
    - Inspections started again during Pennsylvania's yellow phase

- Created reference sheets as needed to be used by the FMO, Building Department, and permit applicants so all parties are aware of requirements and necessary inspections
- Finished a preliminary Business list
- Fire Code/Existing Building Inspection Ordinance
  - Drafting ordinance proposals to adopt the fire code and establish and inspection program for businesses
- Fire Prevention/Safety
  - Smoke Detector Installations were suspended until the green phase
    - The end of June saw a large increase in requests for home evaluations from social media posts
- COVID-19
  - Declaration of Emergency declared on 3/17/2020 for 7 days, 3/24/20 for 30 days, and indefinite Declaration of Emergency declared on 4/9/2020
  - While working remotely daily contact with police, fire and EMS departments was made for planning and supply status
    - Worked with Whitemarsh Ambulance to ensure our emergency services follow the proper protocols while interacting with the public, as well as ensuring EMS has what they need
  - Developed COVID-19 policies with Chief Ward and the Township Manager for employee safety while returning to work
    - Facilitating health/wellness monitoring with limited thermometers
  - Assisted Montgomery County's Eastern Food drive at the Willow Grove Mall
  - Provided Occupant loads for businesses to allow them to follow the governor's orders
  - Drafted a reference sheet for temporary outdoor dining provide to inquiring restaurant owners.
  - Coordinated with the Park & Rec department to plan for summer camps and acquire the necessary additional resources to have a safe program.
  - Communicated with local stores and communities to ensure supplies were available.
  - Met weekly then bi-weekly with the Eastern Montgomery County Emergency Management Group
    - Our group remained self-sufficient, as well as mutually supportive, and took workload off of the county to deal with other issues
  - Coordinated resource acquisition, supply, and distribution for the township.
    - Fielded requests from local businesses and communities requesting assistance in locating resources
  - Purchased a fogger/mister to disinfect facilities and vehicles
  - Request for Public Assistance
    - Departments are to track their own expenses, Finance has established a specific COVID-19 account for future tracking
    - Grant request submitted, reviewed by PEMA, and sent to FEMA for funding from 1/20/20 to 6/30/20.



## Whitemarsh Township Parks and Recreation Department Quarterly Report

### PARKS AND RECREATION DEPARTMENTAL REPORT – AUGUST 2020

#### Announcements

Touch-A-Truck	Miles Park – Lower Lot	Saturday, September 26th 11am-2pm
Fall Shredding Day	Miles Park – Lower Lot	Saturday, October 10th
Spooktacular Family Night	Cedar Grove Park	Friday, October 16th
Wells Street Clean Up	Wells Street Open Space	Saturday, October 17th
Teenie Halloweenie	Cedar Grove Barn	Tuesday, October 20th
Gingerbread House Decorating Party	PR Miles Park Building	Sunday, December 20th
Clothing Drive Fundraiser	Cedar Grove Barn	Thursday, January 14th – January 18th 2021

#### Administration

With the COVID-19 virus, the Department returned to regular work schedule on June 1<sup>st</sup>. Mask, temperature (with a private station), sanitizing, washing, and distancing policies have been put in place. The Department has installed a plexi-glass window in the service window opening for employee and resident safety. In addition, two partition walls were installed to best segregate work spaces in common work areas. Furthermore, door, wall, and floor signage has been posted to assist the public and employees with the new guidelines and best safety practices. Finally, the Koontz Building is being deep cleaned and the vehicles “fogger” sanitized as needed. The public was permitted access to the building on June 8<sup>th</sup> from 9am-1pm daily. On June 15<sup>th</sup> the Department returned to regular hours – 8:30am-4:30pm (M-F).

The Department continued with In-Home Recreation Resources and Virtual Programming. The initial “We Are Whitemarsh” weekly photo contest continues to be a success in Whitemarsh Township. The week eight photo contest was “Spring Photo Contest” – thinking beautiful spring flowers! The week nine photo contest was Memorial Day “Honor” photos. The week ten photo contest is “Graduate 2020 Photos” – Congrats! The week eleven photo contest is “Favorite Restaurants that you have Missed during COVID” photos. The week twelve photo contest was “Celebrate a Local Hero! The week thirteen photo contest was “A Photo of Your Favorite Bridge” photos. The week fourteen photo contest was “A Patriotic Photo – Celebrate the 4<sup>th</sup> of July”. The week fifteen photo contest was “Photo of a Beautiful Flower” photos. The winner each week receives 4 free movie tickets and a Tonelli’s Pizza (donated). This will be our last week of the “We are Whitemarsh” campaign due to decreased engagement with the outdoor summer season and Green Phase. Take-Out Tuesday has been well received supporting local small business restaurants with Knishes and Dishes being our week 8 highlight. The week 9 highlighted restaurants was Sorrento’s – Italian Cuisine. Nirvana Indian Bistro was the week 10 highlight. The week 11 highlighted restaurants was the Persian Grille. Panera Bread was the week 12 highlight. The week 13 highlighted restaurant was Bruno’s. Hunan Wok was the week 14 highlight. The week 15 highlighted restaurant was Tonelli’s Takeout Pizza. Spring Mill Cafe was the week 16 highlight. The week 17 highlight was Bryn & Dane’s Healthy Fast Food. The Senior Scoop on Wednesdays features great resource information, activities, and a virtual tour and trips. The Department has decided to pause on some of the Virtual engagements (Daily Activities, We are Whitemarsh- Photo Contest, Throwback Thursday, and Weekend Getaway) effective mid-July. This is due to Virtual burnout and summer vacations and staycations, and outdoor sports and activities. These will be re-evaluated and refreshed in the fall as needed. Take-Out Tuesdays and the Senior Scoop (moved to Thursday) will continue.

The Department is continuing to send a “Birthday Gram” to all individuals 18 and under in our database to brighten their special day.

The Department sent out an educational Eblast regarding the Spotted Lanternfly and best practices for homeowners on 5-12-20 and 5-19-20.

The Miles Park Team has been planning camp logistics and parental handbooks. The Department has begun sending emails to participants with summer camp updates in May. In addition, on May 14<sup>th</sup> the Department launched a Summer Camp COVID-19 Update landing page on the Township Website under Parks and Recreation to best serve and communicate with participants and their families during this fluid crisis. On Monday, May 18<sup>th</sup> it was announced that all Summer Camp Program Trips and the Camp Hopper Program (participant transportation from sites) were cancelled for summer 2020. On Friday, May 22<sup>nd</sup> the Governor and PA Department of Health released guidelines for summer camps and facilities that the department is working to implement into our operations. On Wednesday, May 27<sup>th</sup> the Department announced that

Summer Camps will be held and the start date will be moved to Monday, July 6<sup>th</sup> in order to operate in compliance and ensure best safety practices. The Miles Park-Teen Camp Parent Meeting will be held on Wednesday, July 1<sup>st</sup> at 7pm on Zoom. The Miles Park-Teen Camp Staff Training will be on Monday, June 29<sup>th</sup> at 9am. The Cedar Grove Barn Parent Meeting will be held on Thursday, July 2<sup>nd</sup> at 7pm on Zoom. The Cedar Grove Barn Staff Training will be on Tuesday, June 30<sup>th</sup> at 12pm. The Procure-Connect Registration and Accountability Software (Formerly Kinderlime) will be implemented at the Day Camps again this summer. On, Monday June 29<sup>th</sup> Parents were mailed the Camp Handbooks and the COVID-19 Summer Camp Health and Safety Plan was posted on the website.

Due to the COVID-19 Crisis, the Department has cancelled and refunded any June usage of Township Park and Recreation Buildings interiors and the Pavilion. In addition, out of an abundance of caution and in-line with the Governor's Orders, all field usage permits were on-hold until Green Phase. Then on June 8<sup>th</sup>, the Montgomery County Department of Health determined that sports organizations could begin holding practices only at athletic fields. In addition, the Township has re-opened the basketball courts for "free play" (no organized/league play) on Tuesday, June 9<sup>th</sup>. Furthermore, the Greenhouse Program has been permitted to resume activities in the Garden areas at Koontz Park following CDC guidelines.

The Whitemarsh Art Center held their Annual Membership Meeting on June 29<sup>th</sup>. The Board unanimously voted to welcome new voting Board members Joselyn Ney, Ronaldo Ribiero, and Joy O'Brien. The Board voted unanimously for the following leadership slate for the upcoming year: Secretary – Mike Young, (new) Treasurer – Jamie Carver, (new) Vice-President – Ronaldo Ribiero, and President Dan Zuena. The Board voted unanimously to welcome Hadley Yates as the Executive Director (prior "Interim" role) at the Whitemarsh Arts Center.

#### **WAC Online Classes & Workshops**

Start Dates:

June 7th | Group Card-Making for Healthcare Workers with Hadley  
1-session Sunday workshop for adults | free  
June 10th | 2D Media Group Critique with Stefanie  
1-session Wednesday workshop for adults | free / suggested donation  
June 12th | Sculptural and Functional Ceramic Handbuilding with Charlotte & Matt  
4-week class on Fridays & Tuesdays for adults | registration fee  
June 16th | Abracadabra Magic Tricks for Kids with Ronaldo  
4-week class on Tuesdays for kids | registration fee  
June 17th | Clean Color Painting with Stefanie  
5-week class on Wednesdays for adults | registration fee  
June 18th | Creating with Composition and Color with TBD  
4-week class on Thursdays for kids | registration fee  
July workshops | Check our calendar for upcoming July workshop info :  
Poetry Illustration, Intro to Photoshop, Paper Graphics, & Interior Design workshops  
2 | Whitemarsh Art Center Updates | June 2, 2020

#### **Online Events**

June 12th | Student & Teacher Art Expo  
Friday, 6 PM - 7:30 PM | submit images of student work by June 9th here | free  
June 20th | Virtual Plein Air Competition - Quarantine Edition  
Saturday, 8 AM to 5 PM Painting, Award Ceremony at 7 PM | registration fee  
June 26th | Art Around the World: Place, Home and Language  
Friday, 6 PM - 7:30 PM | Kaytria Stauffer guest speaker | free  
July events | Stay posted for details about our July events:  
Accessible Arts Forum Teaser and July's Art Around Around the World

The fall Whitemarsh Parks and Recreation brochure – the *Recreator* – is currently being worked on diligently by staff and is scheduled to be available on-line (only) on Monday, August 31<sup>st</sup>. The fall brochure line-up will be a combination of outdoor social distance in-person activities, strategic indoor programs, and virtual opportunities.

The Board of Supervisors last night voted to advertise an ordinance that provides for the Township to purchase a 27.82-acre Conservation Easement at the Highlands Mansion on Sheaff Lane. The Township has been working with the Highlands Historical Society (HHS) and state Representative Mary Jo Daley to preserve the 44-acre historic property since the Pennsylvania Historical and Museum Commission included the property on its list to divest. The Township would purchase a Conservation Easement from HHS to preserve the 27.82 acres of open space in the amount of \$3.01 million dollars. The funds would come from the Township's Open Space Earned Income Tax (EIT) fund and be used by HHS to improve and maintain the historic late 18th century Georgian mansion and two-acre formal garden.

Whitemarsh Township received notification from the National Arbor Day Foundation that the Township was named a Tree City USA for 2019.

The Department applied for the 2<sup>nd</sup> round Cares Act Funding for the Cedar Grove Barn for lost revenues due to COVID-19 requirements as a DHS child care facility.

The Department is working to prepare for the 2021 Budget Cycle.

The Department has renewed the Township ASCAP agreement for music at programs and events through 2020-2021.

PRPS hoped to salvage at least part of the Summer Discount Ticket Season, but are learning more each day about the status of the various attractions. One park has announced they are not opening this season, another is filing chapter 11, one asked us to return our tickets, one told them that the contracted price would be changing, and some are still trying to navigate how to safely open with reduced capacity and still turn a profit. The larger attractions like Hersheypark, Dorney Park and Six Flags are requiring guests to make an online reservation to enter to park, and Hershey and Dorney have suspended PRPS consignment and online ticket sales this year, while they make this transition and adjust admission prices. PRPS hopes to be able to offer consignment and/or online tickets in the fall, for some of the year-round attractions like zoos and aquariums, along with our ski lift and flower show tickets, and then add seasonal attraction tickets again in spring 2021.

### **Programs**

#### **CEP Zoom Hang-Outs**

**5/11/2020** – The weekly “CEP Zoom Hang-Outs” are designed to give CEP participants, who are an underserved demographic during this pandemic, an opportunity to socialize with their peers while they’re at home. On Monday, May 11<sup>th</sup>, 11 individuals participated in our 3<sup>rd</sup> “Hang-Out”. Sara Huff (WJML) and Ryan Lundy (WTPR) helped facilitate conversations and ensure that everyone was given the opportunity to participate in the discussions. The group touched on many topics, including what they did for Mother’s Day, other plans they had for the week, and some of them even showed off some of the artwork they’ve been doing lately. In the end, all of the participants had a great experience.

**5/18/2020:** The weekly “CEP Zoom Hang-Outs” are designed to give CEP participants, who are an underserved demographic during this pandemic, an opportunity to socialize with their peers while they’re at home. On Monday, May 18<sup>th</sup>, 12 participants participated in the 4<sup>th</sup> CEP “Hang-Out”. The group discussed their past weekend plans, the Best Buddies program, and the Whitemarsh Action Club. A few of the participants also talked about the various pets they have and what their plans for the summer are. In the end, all of the participants had a great experience.

**5/25/2020:** The weekly “CEP Zoom Hang-Outs” are designed to give CEP participants, who are an underserved demographic during this pandemic, an opportunity to socialize with their peers while they’re at home. On Monday, May 25<sup>th</sup> – which was Memorial Day - 10 participants participated in the 5<sup>th</sup> CEP “Hang-Out”. The group was very excited to talk about the upcoming CEP Social on Friday, because they love the Dream Team DJs. Participants also talked about Memorial Day and what their families’ plans are for the weekend.

**6/1/2020:** The weekly “CEP Zoom Hang-Outs” are designed to give CEP participants, who are an underserved demographic during this pandemic, an opportunity to socialize with their peers while they’re at home. On Monday, June 1<sup>st</sup>, 11 participants participated in the 6<sup>th</sup> CEP “Hang-Out”. The group discussed how their weeks were going so far, how they’ve been dealing with being stuck at home, and the upcoming June CEP. In the end, all of the participants had a great experience.

**6/8/2020:** The weekly “CEP Zoom Hang-Outs” are designed to give CEP participants, who are an underserved demographic during this pandemic, an opportunity to socialize with their peers while they’re at home. On Monday, June 8<sup>th</sup>, 11 participants participated in the 7<sup>th</sup> CEP “Hang-Out”. The “Hang Out” started with a short discussion about what the participants did over the weekend, and what they have coming up for the rest of the week. Afterwards, the participants enjoyed a fun game of virtual Pictionary. In the end, all of the participants had a great experience.

**6/15/2020:** The weekly “CEP Zoom Hang-Outs” are designed to give CEP participants, who are an underserved demographic during this pandemic, an opportunity to socialize with their peers while they’re at home. On Monday, June 15<sup>th</sup>, 10 participants participated in the 8<sup>th</sup> CEP “Hang-Out”. The participants chatted with each other about the activities they’ve been doing from home. They agreed that they missed getting out of the house and look forward to seeing each other in person again. They also discussed the upcoming CEP Social on the 19<sup>th</sup>, as they’re all excited for the magician’s show. In the end, all of the participants had another great experience.

**6/22/2020:** The weekly “CEP Zoom Hang-Outs” are designed to give CEP participants, who are an underserved demographic during this pandemic, an opportunity to socialize with their peers while they’re at home. On Monday, June 2<sup>nd</sup>, 11 participants participated in the 9<sup>th</sup> CEP “Hang-Out”. The group discussed how their weeks were going so far, and how they’ve been dealing with being stuck at home. The participants enjoyed themselves.

**6/29/2020:** The weekly “CEP Zoom Hang-Outs” are designed to give CEP participants, who are an underserved demographic during this pandemic, an opportunity to socialize with their peers while they’re at home. On Monday, June 29<sup>th</sup>, 10 participants participated in the 10<sup>th</sup> CEP “Hang-Out”. The “Hang Out” started with a short discussion about what the participants did over the weekend, and what they have planned for the upcoming 4<sup>th</sup> of July holiday.

**7/6/2020:** The weekly “CEP Zoom Hang-Outs” are designed to give CEP participants, who are an underserved demographic during this pandemic, an opportunity to socialize with their peers while they’re at home. On Monday, July 6<sup>th</sup>, 11 participants participated in the 11<sup>th</sup> CEP “Hang-Out”. The participants shared what they did over the 4<sup>th</sup> of July holiday, and what plans they have for the upcoming week. The group enjoyed talking with each other.

**7/13/2020:** The weekly “CEP Zoom Hang-Outs” are designed to give CEP participants, who are an underserved demographic during this pandemic, an opportunity to socialize with their peers while they’re at home. On Monday, July 13<sup>th</sup>, 9 participants participated in the 12<sup>th</sup> CEP “Hang-Out”. The group discussed what activities they’ve been doing lately to pass the time, and their plans for the upcoming week & weekend.

**7/20/2020:** The weekly “CEP Zoom Hang-Outs” are designed to give CEP participants, who are an underserved demographic during this pandemic, an opportunity to socialize with their peers while they’re at home. On Monday, July 20<sup>th</sup>, 13 participants participated in the 13<sup>th</sup> CEP “Hang-Out”. Since a majority of the group members have participated in the Hang-Outs each week, they’ve gotten very comfortable chatting with one another, which has been excellent to see. The participants enjoy talking about the different activities they’ve done lately, as well as their upcoming plans. The next “Hang-Out” is scheduled for Monday, July 27<sup>th</sup>.

#### **Jr. CEP Socials Update**

As you’re aware, the Jr. CEP that was scheduled to take place on Tuesday, May 5<sup>th</sup> was cancelled because no participants had registered or otherwise expressed interest in attending. The virtual Jr. CEP the month before had 2 participants. Due to the minimal interest & response to virtual offerings of the Jr. CEP, we’ve decided to put the program on hiatus until we’re able to hold in-person events again. We believe that the age of the participants and the availability of parents/guardians/aids to supervise their child’s participation are the main contributing factors. I’ll provide any additional updates as we progress. The situation is being evaluated moving forward.

#### **CEP Social Update**

**5/15/2020** – The latest virtual CEP Social was held on Friday, May 15<sup>th</sup>. We worked with Community Arts Norristown to plan the event, which had an instructor scheduled to lead the participants in an art activity, using items they gathered at home. However, no instructor signed online at the scheduled time and Sara Huff (WJML) and Ryan Lundy (WTPR) were forced to pivot and lead impromptu discussions with the participants. The 10 participants had fun telling jokes to each other and engaging in other conversation. As disappointing as it was that the instructor did not show, the participants still enjoyed socializing with one-another. Later in the evening, around 9:30pm, the instructor did reach out to our team to apologize and explain that she simply forgot it was on her schedule. Since the program was pre-paid for, we will be receiving a full refund. A 2<sup>nd</sup> May CEP Social is scheduled to take place on Friday, May 29<sup>th</sup> at 6:30pm. The “Dream Team” DJ’s will be hosting a Virtual Dance Party event for CEP.

**5/29/2020:** The latest virtual CEP Social was held on Friday, May 29<sup>th</sup>, and it was one that participants highly anticipated. The “Dream Team” DJ’s hosted a Virtual Dance Party event for this month’s CEP social. The “Dream Team” DJ’s are past CEP participants that met at the CEP Talent Show a couple years ago and now have a DJ business together, so the participants and them share a great connection. The 16 participants had a great time with the friends, singing & dancing along to their favorite songs.

**6/19/2020:** The last Virtual CEP Social took place on Friday, June 19<sup>th</sup>. Magician, Ari Felber entertained the group for the evening, performing magic & even giving away a few tricks & secrets! After the magic show, participants held their own mini Talent Show where we had a Zumba act, participants telling jokes, and even one participant singing to their favorite songs. The entire group had an awesome time.

**7/17/2020:** The last Virtual CEP Social took place on Friday, July 17<sup>th</sup>. We were excited to be joined by the instructors from the Briar Bush Nature Center, which is based in Abington. The BBNC staff had several small animals with them throughout the activity, and they talked a little bit about each. The participants enjoyed being able to see the animals, especially when the BBNC Staff held them up to the camera, giving them a close-up view they normally can’t get. The instructors did an outstanding job making the virtual program fun & extremely interactive. The next CEP Social is scheduled for Friday, August 21<sup>st</sup>, and we’ll be joined by Turtle Dance Music for a Karaoke Party!

#### **Miles Park (and Teen) Camp Summer 2020**

Miles Park Camp has been off to a great start despite the circumstances. Teen Camp merged with Miles Park Camp and has an average of 10 campers ages 12-15 years old on site each week. The transition of merging the two has been seamless. A virtual parent meeting was held on Zoom Wednesday, July 1<sup>st</sup> at 7:00pm. Camp Coordinators Jon Walker, Emily Labowitz and Camp Director Mike Adornetto ran the meeting and social distanced themselves in the meeting room at Koontz to conduct the meeting on separate laptops. Video introductions were shared from the coordinators, directors, and all acting staff. Then a PowerPoint presentation was pre-recorded and parents could listen and ask live questions into the chat box. Questions were also answered at the end of the meeting.

The official first three weeks of camp were cancelled; Week 1 (June 15<sup>th</sup>-19<sup>th</sup>), Week 2 (June 22<sup>nd</sup>-26<sup>th</sup>), and Week 3 (June 29<sup>th</sup>-July 3<sup>rd</sup>). Camp began on (Week 4) and took place July 6<sup>th</sup>-10<sup>th</sup> at Miles Park with a total of 54 campers. Registration was reduced to 50% capacity and new rules and regulations were in put in place. Specifically the camp submitted a COVID-19 Health & Safety Plan which covers specific details. Drop off and pick up procedures are running smoothly. Campers temperatures are taken while remaining in their vehicles. They are also asked if they have had any symptoms of COVID-19 within the last 14 days. Once their temperature has been approved, and they’re checked in on the Procure application, they use hand sanitizer and social distance within their color group. Each color group has a cleaning station bucket which is used often and throughout the day. Each bathroom at the park remains locked and if campers need to use the bathroom they are escorted by a staff and let in and then that bathroom is cleaned and sanitized after use.

The lunch plan and snack bar option have been very successful thus far and will continue to do so. Monday, Wednesday, and Fridays are Tonelli’s Pizza days. Tuesdays and Thursdays are Chick-A-Fila days. Additionally, Kona Ice visits the park at 1:00pm on Monday and Fridays. Week 5 (July 13<sup>th</sup>-17<sup>th</sup>) has 62 campers and has been running smoothly. This week different activities were re-integrated. For instance, Action Karate attended the camp for a karate demo. Each group rotated for its turn under the Pavilion for 15 minutes of karate fun! Also, a water day

occurred on Tuesday and Friday. We look forward to another safe and fun week of camp Week 6 (July 20<sup>th</sup>-24<sup>th</sup>) which currently has 59 registered.

### **Cedar Grove Barn Camp Summer 2020**

As we all know, 2020 has been anything but a “typical” year. Yet, despite the very unusual circumstances, we’ve had an excellent start to the summer at our Cedar Grove Camp. The team worked extremely hard to make the necessary changes to the program, in preparation for this summer. The week before camp was scheduled to begin, parents & guardians received an updated copy of the “Cedar Grove Camp Parent Pack” (attached). The parent pack includes detailed information on all aspects of the camp, and is a valuable resource for Cedar Grove Camp families, both new & returning. A virtual parent meeting was held on Zoom Thursday, July 2<sup>nd</sup> at 7:00pm. Camp Coordinator Mike Lannutti, and Camp Supervisors Kim Granato & Melanie Smith, ran the virtual meeting, which began with a short video of the camp staff, introducing themselves. After the video, Mike Lannutti had a PowerPoint Presentation that covered all of the important camp details, including those related to COVID-19. During this presentation, parents were able to ask questions using the chat text box, which was monitored by the Camp Supervisors. Any questions that were not answered during the presentation were addressed at the end. Parents & guardians had wonderful feedback on the virtual meeting, and were very appreciative of everyone’s efforts in preparing the camp program.

In order to comply with guidance provided by the Governor, County, CDC, and DOH, numerous changes & adaptations were made to the camp structure, including limiting enrollment to 50% of the normal maximum capacity. In addition to the parent pack, the camp crafted a COVID-19 Health & Safety Plan, which outlines all of the safety procedures & protocols relating to COVID-19, that have been put in place. Overall, the newly implemented safety measures have been running smoothly, and feedback from parents/guardians has been overwhelmingly positive.

The official first three weeks of camp were cancelled; Week 1 (June 15<sup>th</sup>-19<sup>th</sup>), Week 2 (June 22<sup>nd</sup>-26<sup>th</sup>), and Week 3 (June 29<sup>th</sup>-July 3<sup>rd</sup>). On Monday, July 6<sup>th</sup>, Cedar Grove Camp opened for the summer with 29 campers. As campers arrive each morning, parents/guardians use the ProCare Connect app to scan the camp’s custom QR code. Once scanned, the parent/guardian receives a prompt on their device that they must sign-off on, stating that their child has not shown any signs or symptoms of COVID-19, and/or they have not been in contact with anyone that has been diagnosed with the virus. After providing their signature on their device, parents/guardians are permitted to continue moving through the drive-through-style drop-off procedure for the camp.

This year, campers are assigned to one of three groups at camp – Red, Blue, or Yellow. A rotational schedule is used each day, and the groups largely operate independently from one another, in order to limit the possibility of transmitting the virus. Both staff & campers remain with their assigned group for the entirety of the week. The group’s cycle through the camp site over the course of the day, but two groups never inhabit the same “zone” at once. This rotational schedule allows for adequate social distancing at all times, and provides ample time to clean & sanitize shared-space between each use.

Overall, Cedar Grove Camp has adjusted well to the changes that 2020 has brought. The staff has done an outstanding job keeping the site clean & the campers safe. Thanks to their hard work, dedication, and attention to detail, the campers - who are only 3-6 years old – have had no problem enjoying their time at Cedar Grove Camp. We are excited to build on the success of weeks 1 and 2, moving forward, and look forward to all the fun that is still in store for this summer! Registration numbers for Weeks 3-6 of Cedar Grove Camp are as follows:

**Week 3: 29    Week 4: 28    Week 5: 28    Week 6: 30**

### **Specialty Camps – In-Person**

#### **Lacrosse Camp**

Whitemarsh Township Parks & Recreation teamed up with i9 Sports for another summer of specialty camp programs. The first week started off with i9 Lacrosse Camp. This camp was held at the Miles Park Lower Soccer Field on Monday, July 6<sup>th</sup> through Friday, July 10<sup>th</sup> beginning at 8:30am and concluding at 11:30am. However, due to the weather on Friday with rain all day, the last day was cancelled and prorated to participants. There were a total of 9 campers ages 4-12 that were registered and attended daily. Campers learned the fundamentals of the game through a variety of skills, drills, and games and activities. Each camper received an i9 t-shirt and a trophy to conclude the week of lacrosse camp.

#### **i9 Flag Football Camp**

Whitemarsh Township Parks & Recreation teamed up with i9 Sports for another week of specialty camp programs. The second week included the i9 Flag Football Camp. This camp was held at the Miles Park Lower Soccer Field on Monday, July 13<sup>th</sup> through Friday, July 17<sup>th</sup> beginning at 8:30am and concluding at 11:30am. There were a total of 18 campers ages 4-12 that were registered and attended daily. i9 submitted a COVID-19 Health & Safety plan and included new rules and regulations for a week of camp. Participants learned the basics of football in a non-contact environment. They also got to learn about flag football while remaining safe and having fun! Each camper received an i9 t-shirt and a trophy to conclude the week of flag football camp.

#### **Moore Brothers Basketball**

Whitemarsh Township Parks & Recreation joined forces with Moore Brothers Basketball for two separate weeks of camp this summer. The first week of camp was held at the Miles Park Basketball Courts on Monday, July 13<sup>th</sup> through Friday, July 17<sup>th</sup> beginning at 9:00am and concluding at 12:00pm. There were a total of 40 campers ages 5-12 that were registered and attended daily. The Moore Brothers submitted a COVID-19 Health & Safety plan and included new rules and regulations for a safe and fun week of camp. Participants learned the basics of basketball with skills, drills, games, and contests. Each camper received a Moore Brothers Basketball Camp t-shirt on the last day of camp and some individuals won prizes for competitions to conclude the week of basketball camp. We look forward to the Moore Brothers second session of Basketball Camp which has 12 participants registered currently for August 10<sup>th</sup>-August 14<sup>th</sup>.

Session 2: August 10<sup>th</sup>-August 14<sup>th</sup>

Time: 9:00am-12:00pm  
Location: Miles Park Basketball Courts  
Fee: Whitemarsh Township Residents: \$150.00/Non-Residents \$171.00  
Ages: 6-13

In addition, usually the brothers would have their 3v3 league up and running by now. They plan on having a delayed start and plan to begin the 3v3 on July 21<sup>st</sup> and end on August 13<sup>th</sup> with play every Tuesday, Wednesday, and Thursday 6:00pm-8:00pm at the Miles Park Basketball Courts. Typically they would just have Tuesday and Thursday games, but have added the extra day to space out games. Similar to the basketball camps, they will only proceed once in Green Phase and have all required documents and post to their website and email all participants.

#### **76ers Basketball Camp**

August – 17<sup>th</sup>-21<sup>st</sup> – 9am-4pm – 76ers Basketball Camp – Miles Park Courts and Pavilion – Details coming soon.

#### **Phillies Baseball Academy**

August – 24<sup>th</sup>-28<sup>th</sup> – 9am-4pm – Phillies Baseball Academy – Miles Park Baseball Fields + Concession Stand Overhang Area - Details coming soon.

#### **Theatre Horizon Camp - Outside**

Ages: 7-11 yrs Min/Max: 10/22  
Fee: \$195.00 Whitemarsh Res / \$223.00 Non-Res  
Location: Koontz Park - Program Room A

In Theatre Horizon's Summer Drama Camp, young actors spend a week working as an ensemble to create an original play – full of drama, comedy, suspense, and one-of-a-kind characters. Campers are guided through playwriting basics and fun improvisation games by our professional teaching artists. On the last day, they perform their world premiere play for an audience! In Drama Camp, children make new friends, build listening and ensemble skills, take on leadership roles, and explore their creativity.

Session 2: Mon – Fri 8/10-8/14 9:00am - 3:00pm: 14 registered

#### **i9 Soccer Camp**

Ages: 4-12 yrs Min/Max: 8/20  
Fee:\$138.00 Whitemarsh Res / \$163.00 Non-Res  
Location: Miles Park Soccer Field

This camp will focus on learning new skills, game strategies, and good sportsmanship. Campers will participate in a variety of games and activities which will help them develop the fundamentals of the game of soccer, are great exercises, and are tons of fun! There will be daily practices and games each day which will incorporate and focus on the skills we worked on while practicing. Parents of non-school-aged children are required to attend.

Session 1: Mon – Fri 7/20-7/24 8:30am - 11:30am: 21 registered

#### **i9 Flag Football Camp**

Ages: 4-12 yrs Min/Max: 8/20  
Fee:\$138.00 Whitemarsh Res / \$163.00 Non-Res  
Location: Miles Park Soccer Field

Participants will learn the basics of football in a non-contact environment. Flag football is a great way to learn about the sport while remaining safe and having fun! Parents of non-school-aged children are required to attend.

Session 1: Mon – Fri 7/13-7/17 8:30am - 11:30am: 10 registered & 3 waitlisted

#### **Cooking Camp – Outside – CANCELLED DUE TO INSTRUCTOR CONCERNS OVER COVID-19**

Ages: 7-14 yrs Min/Max: 6/12  
Fee:\$102.00 Whitemarsh Res / \$116.00 Non-Res  
Location: Koontz Park - Program Room A

Do you have a budding young chef in your home? If the answer is yes, then this is the camp for them! These young chefs will create 2 recipes, an entree & a dessert, each class. Children will have fun learning new cooking skills, creating new recipes, making cooking related crafts, and most of all - having fun in the kitchen! So put on that chef hat, bring your imagination & your appetite, and get ready to have some fun! Please advise of any food allergies when registering for this camp.

Session 1: Mon – Fri 7/20-7/24 9:30am - 11:00am: 12 registered

Session 2: Mon – Fri 7/13-7/17 9:30am - 11:00am: 4 registered

#### **i9 Track & Field Camp**

Ages: 4-12 yrs Min/Max: 8/20  
Fee:\$138.00 Whitemarsh Res / \$163.00 Non-Res  
Location: Miles Park Soccer Field

This camp will work on developing the techniques needed for success in track events(short & long distance, hurdles, field games, etc) and do so with age-appropriate instruction. On Friday, there will be a mini track meet with awards. Parents of non-school-aged children are required to attend

Session 1: Mon – Fri 7/27-7/31 8:30am - 11:30am: 6 registered

#### **i9 Cheerleading Camp**

Ages: 4-12 yrs Min/Max: 8/20

Fee:\$138.00 Whitemarsh Res / \$163.00 Non-Res

Location: Miles Park Soccer Field Young athletes will learn all the essential skills in the i9 Sports cheerleading camp to guide the crowd to root for the home team. Each camper will learn cheers, proper hand and body movements, as well as jumping techniques. There is no stunting, but a big focus on fun. Each cheerleader learns important life skills such as team building and leadership. The week concludes with a performance demonstrating the skills learned. Parents of non-school-aged children are required to attend.

Session 1: Mon – Fri 8/3-8/7 8:30am - 11:30am: 0 registered

### **i9 Baseball Camp**

Ages: 4-12 yrs Min/Max: 8/20

Fee:\$138.00 Whitemarsh Res / \$163.00 Non-Res

Location: Miles Park Lower Softball Field

i9 Sports baseball camp will help participants gain an understanding and appreciation for playing the game “the right way”. The schematic curriculum teaches the fundamentals of fielding, catching, throwing, hitting, and base running in a fun, positive environment by i9 Sports Certified Staff. All athletes, regardless of skill level, will learn new baseball skills along with valuable sportsmanship lessons such as respect, teamwork, and responsibility. Parents of non-school-aged children are required to

Session 1: Mon- Fri 8/10-8/14 8:30am - 11:30am: 10 registered

### **Running & Yoga Camp**

Running and Yoga Camp (August 17<sup>th</sup>-August 21<sup>st</sup>)

Ages 7-11

9am-12pm, Monday-Friday

Location Miles Park Soccer Field

Kids will learn running drills, workouts, goal-setting, and proper stretching. Each day will end with a themed yoga class and breath work.

They will need to bring a water bottle and a yoga mat or towel.

### **Virtual Programs**

#### **Trivia Night with JoJo**

The Department held our first-ever FREE Trivia Night on Zoom with JoJo on Saturday, June 20<sup>th</sup> at 9pm. We had 24 participants and 12 unique registrations. We look forward to holding future Trivia nights for the community to enjoy!

#### **Sand Art Terrarium & Succulent Planting Workshop**

The first virtual Terrarium Sand Art & Succulent Planting Workshop took place on Thursday, June 25<sup>th</sup> 4:00pm-4:45pm. The event has been held in the past and typically takes place at Cedar Grove Barn, located at 100 Cedar Grove Road, Conshohocken, PA 19428. This year we had 20 individuals registered and all signed onto Zoom to join the fun! Whitemarsh Township Parks & Recreation teamed up with Marsha Gayl, registered Horticultural Therapist who led the program. Participants had to pre-register for this creative program through Community Pass. The fee for Whitemarsh Township Residents was \$20.00 and Non-Residents was \$25.00. Once registered, they received an email with instructions to pick up supplies at Koontz Park on Wednesday, June 24<sup>th</sup> between the office hours of 8:30am-4:30pm. The supplies included three different colors of sand, two containers of dirt, two succulents, and a glass vase. Participants logged onto Zoom the following day on Thursday, June 25<sup>th</sup> for roughly 40 minutes of instructions on how to build the terrarium sand art/succulent planting masterpiece! The workshop went smoothly and it was a great opportunity to offer a low cost, stay at home program that involved art and the earth!

#### **DeStolfo's Premier Martial Arts - Self-Defense Classes**

DeStolfo's Premier Martial Arts teamed up with Whitemarsh Township Parks & Recreation for one more virtual program that took place on Thursday, June 18<sup>th</sup>. The program offered was a Kid Safe Workshop for youth ages 5-12 and took place 1:30 pm-2:00 pm. This kid safe introductory course was an interactive workshop where the kids learned important safety skills. They learned the basics that involved both physical and mental self-defense. A total of 18 were pre-registered and 10 logged on for the workshop. Registration was free and was through Whitemarsh's Community Pass registration software. Once registered, participants got an email with the Zoom information to connect. Emily Labowitz introduced herself to the class and thanked everyone for registering for the karate class. Especially those who participated in every karate class that was offered! Danyelle and Fred DeStolfo then introduced each other, and spent just about 25 minutes teaching in each class. We look forward to teaming up again for potential summer camp visits virtually or social distancing.

#### **Action Karate**

Action Karate Plymouth Meeting is helping the community by providing Online In-Home Martial Arts training for FREE! The training is for children ages 5+ and is designed to keep them healthy and active while they have a TON of fun burning off their excess energy. This program will take place on the following Tuesdays; May 19<sup>th</sup> – 12 registered, and May 26<sup>th</sup> – 11 registered, 1:00 pm- 1:30 pm. Register for each date separately. Please make sure you have an open space and are wearing comfortable clothes and shoes. Once you are registered you will receive an email with confirmation and the Zoom link to connect online!

The third offering of the virtual karate class by Action Karate occurred through Zoom on Tuesday, May 26<sup>th</sup>, 2020 1:00 pm- 1:30 pm. There were 17 individuals registered, and 8 total ended up logging on. The 80 degree weather definitely was a factor for the missing participants. Per usual, the participants registered for free through Community Pass via Whitemarsh Township Parks & Recreation registration software and received an email with the Zoom information to connect online. Emily Labowitz introduced herself and thanked everyone for registering for the karate class and then Sean Dwyer from Action Karate introduced himself, and taught for the remaining time. We have decided to offer one more free virtual class next Tuesday, June 2<sup>nd</sup> 1:00 pm- 1:30 pm!

### **Moore Brothers Basketball**

Whitemarsh Township Parks & Recreation teamed up with Moore Brothers Basketball for another free ball handling skills through Zoom on Wednesday, June 17<sup>th</sup> 12:00pm-12:30pm. The program was originally scheduled for June 3<sup>rd</sup> but was interrupted halfway through due to the big storms that hit the community. They moved the Zoom to two weeks later. The virtual program was for boys and girls ages 5-18 and all skill levels were welcome. The participants registered through Community Pass via Whitemarsh Township Parks & Recreation registration software and received an email with the Zoom information to connect online. There were 37 registered, and 25 ended up signing on. The lower number was due to the changing of schedules from the original cancellation. Just about 25 minutes were spent teaching the participants dribbling skills. At the end of the session special guest, Langston Galloway from the Detroit Pistons NBA team #9, wrapped up the Zoom with a motivational speech and advice. We look forward to working with the Moore Brothers later in the summer for their two weeks of basketball camp.

### **On-Line Guided Meditation with Jason Blau**

Join Jason Blau and his on-line Meditation programs powered through Zoom. Whitemarsh Township residents receive 50% off using coupon code "parks". For a complete list of classes and to register: [www.mymeditation.coach/online](http://www.mymeditation.coach/online)

### **Zumba by Fit with Witt**

*\*Pre-Registration Is NOT Required*  
Every Tuesday @ 7:00pm via Zoom

### **Pilates with Missy Scheer**

*\*Pre-Registration Is NOT Required*  
Every Thursday @ 5:00pm via Zoom

### **Yoga with Kimberly Brock**

*\*Pre-Registration Is NOT Required*  
Every Thursday @ 12:00pm via Zoom

### **"Magic Show for Adults" with Ari-Paul Felber**

*\*Pre-Registration is Required*  
Saturdays at 8pm

### **Magic Show with Ari-Paul Felber**

*\*Pre-Registration is Required*  
Fridays on May 8<sup>th</sup>+ at 7:30pm

### **Friday Night Dance Parties with Miss Ashlyn**

*\*Pre-Registration IS Required - Program ends in May*  
5:30-6:00pm, Ages 3-6; 6:00-6:30pm, Ages 7-9; 6:30-7:00pm, Ages 10+

### **Engineering for Kids - Virtual**

At Engineering for Kids we believe that children are natural born engineers who have unlimited imaginations and unbridled enthusiasm. We offer fun, hands-on learning for children ages 4 to 12. Our activities range from building flashlights and rockets to programming video games and robots. The variety of programming is extraordinary!

### **Summer Camp -Jr Engineering Camp (Ages 6 – 7)**

The Engineering camps introduce our youngest engineers to fundamental concepts of energy, materials, and movement. Through open and focused exploration, students explore and construct their own bridges, catapults, and more.

Day/Time: Mon - Fri 9:00 AM to 10:30

Summer Camp: July 27, 28, 29, 30, 31 (5 Days)

Session Fee: \$99 per child Res; \$??per kid Non- Resident

Group Limit: Min 5 and Max 10 participants

Note: There is a list of supplies we can ship the materials with an extra of \$5 or parents can buy the supplies.

### **Summer Camp - Scratch Programming: Space Pioneers (Ages 6 – 7)**

Embark on a fun journey to space with Scratch! Send an astronaut to the moon and defend your moon base from space rocks. Learn how to use Scratch to create and program sprites, backdrops and basic scripts. Create a new program each day, leave with evidence of your wild space adventure, and be inspired to explore the universe of programming

Day/Time: Mon - Fri 11:00 to 12:30 PM

Summer Camp: July 27, 28, 29, 30, 31 (5 Days)

Session Fee: \$99 per child Res; \$?? per kid Non-Resident

Group Limit: Min 5 and Max 10 participants

### **Summer Camp -Apprentice Computer Aided Design (Ages 8 – 14)**

Students will learn the basics of 3D design and modeling. Using the TinkerCAD platform, we will design, build, and edit 3d models. Basic principles of 3D printing and other uses for solid modeling will be covered. At the end of the class students will be able to make a model suitable for 3D printing.

Day/Time: Mon - Fri 9:00 AM to 10:30  
Summer Camp: Aug 3, 4, 5, 6, 7(5 Days)  
Session Fee: \$99 per child Res; \$?? per kid Non-Resident  
Group Limit: Min 5 and Max 10 participants

#### **Summer Camp - Scratch Game Design (Ages 8 – 14)**

Join us for a week of designing and testing games. Control a character, build levels, and create obstacles as we learn what makes a game work, as well as what makes a game fun!

Day/Time: Mon - Fri 12:00 to 1:30 PM  
Summer Camp: Aug 3, 4, 5, 6, 7(5 Days)  
Session Fee: \$199 per child Res; \$238 per kid Non-Resident  
Group Limit: Min 5 and Max 10 participants

#### **Theatre Horizon Summer Drama Camp - Virtual**

Theatre Horizon has partnered with Whitemarsh Township Parks and Recreation for a "Virtual Summer Drama Experience." Theatre Horizon will offer virtual Zoom drama classes for students in Grades 1-12. There will be 4 sessions including one 30 minute performance. Each class will meet once per week for 1.5 – 2 hours. Every class ends with a virtual showcase where families are invited to log on and see what the students have created during their session. Two four-week sessions will be offered as well. Students can choose to take one class or multiple. Sessions begin the week of June 29, 2020 and the week of July 27, 2020. Each class is Pay-What-You-Decide ranging from \$10 - \$120 per student. For all registrations that use the Whitemarsh Discount Code, Parks and Rec Department agrees to the following financial split:

#### **Music Camp – West Chester University – Wells School of Music – Virtual**

Whitemarsh Township Parks and Recreation has teamed up with the West Chester University – Wells School of Music to promote the following FREE Music classes to children grades 3-12 this summer – virtually via Zoom. To register for one or more virtual camps sessions, please e-mail the following information to Wells School of Music staff member, Joan Stalford ([jalstalford@wcupa.edu](mailto:jalstalford@wcupa.edu)).

#### **Elementary School/Middle School Summer Music Camp (for students entering grades 3-8)**

Topic: Becoming a Better Musician  
Faculty Members: Dr. Ralph Sorrentino, Dr. Marci Major, and Dr. M. Gregory Martin  
Date: Tuesday, July 14 at 10 AM

#### **High School Summer Music Institute (for students entering grades 9-12)**

Session 1: Playing your Best Auditions  
Faculty Members: Dr. Ralph Sorrentino, Professor Joseph Caminiti, Dr. Ryan Kelly, and Dr. Kimberly Reighley  
Date: Wednesday, July 15 at 1 PM  
Session 2: College Preparation for Music Students  
Faculty Members: Dr. Ralph Sorrentino, Dr. Emily Bullock, and Dr. Andrew Yozviak  
Date: Thursday, July 16 at 1 PM

#### **Jazz Camp (for students entering grades 7-12)**

Session 1: Working with a New Song- Transcription and Improvisation  
Faculty Member: Professor Peter Paulsen  
Date: Monday, July 20 at 11 AM  
Session 2: Clarifying and Improvising with the Greek Modes  
Faculty Member: Professor Jonathan Ragonese  
Date: Tuesday, July 21 at 11 AM  
Session 3: Harmony and Rhythm – Piano and Guitar  
Faculty Members: Professor David Cullen and Dr. Terry Klinefelter  
Date: Wednesday, July 22 at 11 AM  
Session 4: Drum Set Masterclass  
Faculty Member: Dr. Chris Hanning  
Date: Thursday, July 23 at 11 AM

#### **Wissahickon Trails (formerly Wissahickon Valley Watershed Association) Environmental Programs - Virtual**

The Whitemarsh Township Parks and Recreation Department is happy to team up with Wissahickon Trails in promoting the below virtual environmental programs. Register in advance for these programs at [wissahickontrails.org](http://wissahickontrails.org).

Topic: Fireflies – Jewels of the Night – Thursday, July 9<sup>th</sup> at 7pm  
Learn all about the state insect of Pennsylvania! Senior Naturalist Kristy Morley will cover some basic biology and life cycle, and the how's and why's of firefly glows. Learn tips about how to make your yard firefly friendly.

Topic: Moths – Denizens of the Dark – Tuesday, July 21<sup>st</sup> at 7pm

Celebrate National Moth Week and discover more about some of the most gorgeous nighttime critters – moths. Senior Naturalist Kristy Morley will provide footage from her home moth station and provide information on how you can set up your own moth station for further exploration.

### **Excursions**

#### **Special Events**

##### **Jump, Jam, and Jive – FREE Memorial Day Virtual Concert!**

Alison from Jump, Jive, & Jam hosted a virtual concert on Friday, May 22<sup>nd</sup> 10:00 am-10:45 am. Participants had to pre-register for this free event through Community Pass. This concert was for children ranging in 1 month-5 years. Once registered, they were told to bring their favorite instruments and get ready to Jump, Jive, & Jam into the musical fun. The Memorial Day concert was held to honor veterans, police, first responders, EMS, medical professionals, and everyone else working to keep the community safe. Participants were encouraged to wear red, white, and blue and patriotic songs were played. There were 17 individual registered and 12 signed onto Zoom to dance, sign, and laugh. Emily Labowitz introduced herself on behalf of Whitemarsh Township Parks & Recreation and thanked everyone for joining. In addition, she wished everyone a safe Memorial Day weekend. We plan on working with Alison again and offering more concerts and classes throughout the summer!

The 2020 “Summer Movies in the Parks” Series is will not be held out of an abundance of caution for COVID-19 and in compliance with CDC regulations for large special event gatherings.

The Cornhole Tournament scheduled for Saturday, September 12<sup>th</sup> at Cedar Grove Park has been postponed to winter for a venue adjustment. The event will be held in partnership with and at the Spring Mill Fire Company (Date is TBD). This also allows us to add an additional special event to our winter line-up.

It is with great regret that the leadership of the Whitemarsh Township 4<sup>th</sup> of July Parade Committee made the decision to recommend cancelling the 2020 Parade. The 4<sup>th</sup> of July Committee leadership included Chief Ward (Whitemarsh Township Police), Nick Weaver (Whitemarsh Township Fire Marshal and Emergency Management Coordinator), Chief Schwartz (Barren Hill Fire Company), Chief Shoemaker (Spring Mill Fire Company), Joanne Crawford (Parks and Recreation Board Chair), Joe Zach (Lions Club of Whitemarsh – President), and Bill Green (Sponsor Representative). The Department has also spoken to Peter Erndwein, Risk Senior Manager, from DVIT (Township Insurance Carrier) to review the circumstances and receive guidance to proceed with compliance and caution in this fluid time. Given the recent update on May 22<sup>nd</sup> from the Governor, the PA Department of Health, and the Pennsylvania Recreation and Parks Society regarding guidelines for social gatherings and community events, the leadership group was contacted individually and unanimously agreed to recommend the event be cancelled due to COVID-19. The Department had been closely and carefully monitoring the situation and those of surrounding communities in the region that hold special events in the summer and the 4<sup>th</sup> of July holiday. The overwhelming majorities of those Townships and Boroughs have chosen to cancel or are recommending the events be cancelled. In addition, the health and safety of our residents, participants, sponsors, vendors, entertainers, volunteers, and staff was a priority in making this difficult decision. Furthermore, even after infections have slowed and current public guidance to practice social distancing has been lessened; we recognize that many of our fellow citizens will be reluctant to subject themselves to large crowds in the immediate future. The official cancellation was announced on Thursday, June 4<sup>th</sup>. Entertainment acts are being notified for refunds and PADOT was contacted to withdraw our special event road closure permit application. We look forward to hosting the event on the 4<sup>th</sup> of July in 2021. I am happy to note that the Department is planning a Virtual 4<sup>th</sup> of July Celebration with links to parades, fireworks, crafts, etc. for the community to enjoy.

#### **Parks/Facilities/Fields – Projects-Updates**

The Miles Park Grant Project is over 90% completed. Completion of the pathways remain for 2020. The path connecting the upper and middle areas of the park has been surveyed and work is slated to begin in the next few weeks. The Township corresponded with DCNR in the end of April to update them on the project status given the COVID-19 delay and to notify that it would be completed by the end of fall 2020. On May 29<sup>th</sup>, the Township submitted the DCNR 6-month progress report to DCNR which was accepted. The Public Works Department completed the middle path in July and it looks great. We are in the process of coordinating the pathway for adjacent to the Joshua Road parking lot.

The DVRPC Grant (Phase 1- \$10,000) of the \$40,000 feasibility study for the Miracle-Nature Trail has begun. This phase involves an engineering topographic study and determining trail opportunities given PECO parameters. . The Township has received PECO approval to apply once a feasibility study is completed and the plan is formulated. The approval to move forward with a submittal is based on the concept discussions. The phase 1 report is due in December of 2020 but was submitted to the DVRPC 2020 Quarterly Report (Qtr. 1) and accepted. The Township received notification that it received a grant for \$40,000 from DCNR-C2P2 which will match the funding for the feasibility study (no Township Match required). The Township received and returned the agreement from DCNR and held the introductory call in March to initiate process. The Township staff is working with the Township engineer to provide the scope and budget for the remainder of the project to DVRPC and DCNR for approvals to proceed with funding. The Township received the initial funding payment from DCNR in the amount of \$20,000 which has been deposited to Finance. The Township submitted a RFP budget waiver request for the project to save dollars with both entities. Township Staff is meeting with Gilmore Associates to complete the planning for the remaining DCNR and DVRPC request documents in forthcoming weeks.

The Veteran’s Monument at Miles Park will begin construction in spring and with completion in mid-September. Staff and Township Engineers had a pre-construction meeting to coordinate logistics and limit the impact on park activity. This project is delayed due to COVID-19. – ON HOLD

The water in the parks has been turned on and the comfort stations in the parks cleaned. The bathroom areas, playground areas, and exercise equipment areas are opened in green phase as of June 26<sup>th</sup>. The port-a-potty has been relocated to Valley Green Park for the remainder of the season. The timers were set in the park restrooms from 7am to 9pm. Signage has been posted alerting park users to best COVID-19 practices and the areas are being sanitized daily. Pavilion Rentals are scheduled to begin on Monday, August 10<sup>th</sup> with safety restricted guidelines.

Lt. Kennan is working with Public Works to install security cameras at the Miles Park Pavilion – thanks! – ON HOLD

The Miles Park Building 2<sup>nd</sup> Floor Dance Room had the aged and worn (gaps and humps) floor replaced in June for safety reasons (trip-fall hazards). The project is completed and looks great.

The Miles Park Dugouts are being manufactured and will be scheduled for delivery and storage on June 17<sup>th</sup> at the Public Works Facility until time and priority schedule permits for installation. – ON HOLD

A side lockbox has been installed at the Miles Park Building with keys to the building, exterior storage room areas, and the old dispatch storage. This will be helpful especially in the event of an emergency.

A broken bench was fixed at Miles Park along Germantown Pike.

The gutters were cleaned out at the Koontz Park and Miles Park Building.

The Concession Stand had signs added to the exterior alerting the public to Park Hours, Cameras, and Permit Requirements.

WLL, WGSL, and Colonial Soccer Club have all begun youth play (practices and games) in the park system in Green Phase. Each group has provided the COVID-19 Health and Safety Plan as required by the CDC and PA Dept. of Health.

A new electronic key lock-box was installed at Koontz Park.

The WGSL installed the planned temporary outfield fence for softball play this summer at Cedar Grove Park – main field.

The Parks System had the playgrounds inspected by a CPSI on Tuesday, June 16<sup>th</sup>.

Miles Park and Leeland Park had storm damage tree safety work completed.

A rolling floor standing mirror has been purchased and installed at the Miles Park Building for the successful Dance Program.

The PR Miles Park Building had the Fire Alarm-Test Certification on June 9<sup>th</sup>.

The Cedar Grove Barn had the Fire Alarm Service replaced the fire alarm panel that was damaged by storms on June 10<sup>th</sup>.

Shearon performed a fertilizer application on the Miles Park Lower Soccer Fields on May 19<sup>th</sup> as part of the annual maintenance agreement with the Township and the Colonial Soccer Club.

The Department had the exterior of the Concession Stand painted red. It is the color opposite the blue from the WLL logo (and we painted the Pavilion in the blue). We are coordinating and having the first base dugout roofs in the park blue and the third base roofs are red. The Park Board reviewed and supported the proposal on February 4<sup>th</sup> at their meeting. In addition, we purchased stainless steel letters and the Whitemarsh Logo for the backside of the building. The sign reads – “Miles Park – Whitemarsh Township” with the Township Logo above it. The letters have been installed. Finally the main counter area at the Concession Stand has had new swing doors built and installed to prevent vandalism and will have cork board on the inside for menu and price notices at games. We are very happy that the project is complete and it is a beautiful gateway for the park.

#### **Miscellaneous**

Tom Blomstrom attended a Zoom Webinar meeting for “Creating (learning) Park Reopening Consensus in Montgomery County” on Thursday, May 21<sup>st</sup>.

Tom Blomstrom attended the FREE Zoom Webinar on PRPS-District 3 – Leadership – Summer Phase and Operations Discussion on Tuesday, June 9<sup>th</sup>.

Respectfully submitted,  
Thomas J. Blomstrom  
Director of Parks and Recreation

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## WHITEMARSH TOWNSHIP

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**To:** Richard Mellor, Township Manager  
**From:** Thomas Blomstrom, Director of Parks and Recreation  
**Subject:** Facility Improvements and Projects Updates  
**Date:** August 6<sup>th</sup>, 2020

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The Parks and Recreation Department is happy to provide the following facility updates during the past several months. Please let me know if you have any questions.

Miles Park Building at 4021 Joshua Road –

- The Miles Park Building 2<sup>nd</sup> Floor Dance Room had the aged and worn (gaps and humps) floor replaced in June for safety reasons (trip-fall hazards). The project is completed and looks great.
- A side lockbox has been installed at the Miles Park Building with keys to the building, exterior storage room areas, and the old dispatch storage. This will be helpful especially in the event of an emergency.
- A rolling floor standing mirror has been purchased and installed at the Miles Park Building for the successful Dance Program.
- The PR Miles Park Building had the Fire Alarm-Test Certification on June 9<sup>th</sup>.

Cedar Grove Park/Barn –

- The WGSJ installed the planned temporary outfield fence for softball play this summer at Cedar Grove Park – main field.
- The Cedar Grove Barn had the Fire Alarm Service replaced the fire alarm panel that was damaged by storms on June 10<sup>th</sup>.

Koontz Park/Building/Greenhouse –

- A new electronic key lock-box was installed at Koontz Park.

Miles Park – Pavilion/Concession Stand/Fields/Playgrounds/Basketball Courts –

- The Miles Park Grant Project is over 90% completed. Completion of the pathways remain for 2020. The path connecting the upper and middle areas of the park has been surveyed and work is slated to begin in the next few weeks. The Township corresponded with DCNR in the end of April to update them on the project status given the COVID-19 delay and to notify that it would be completed by the end of fall 2020. On May 29<sup>th</sup>, the Township submitted the DCNR 6-month progress report to DCNR which was accepted. The Public Works Department completed the middle path in July and it looks great. We are in the process of coordinating the pathway for adjacent to the Joshua Road parking lot.
- The Veteran's Monument at Miles Park will begin construction in spring and with completion in mid-September. Staff and Township Engineers had a pre-construction meeting to coordinate logistics and limit the impact on park activity. This project is delayed due to COVID-19. – ON HOLD
- Lt. Kennan is working with Public Works to install security cameras at the Miles Park Pavilion – thanks! – ON HOLD
- The Miles Park Dugouts are being manufactured and will be scheduled for delivery and storage on June 17<sup>th</sup> at the Public Works Facility until time and priority schedule permits for installation.
- A broken bench was fixed at Miles Park along Germantown Pike.
- The Concession Stand had signs added to the exterior alerting the public to Park Hours, Cameras, and Permit Requirements.

Thomas Blomstrom  
Director of Parks and Recreation  
2391 Harts Lane  
Lafayette Hill, PA 19444  
Phone: 610-828-7276 x 2401  
Email: Tblomstrom@whitemarshwp.org

- Shearon performed a fertilizer application on the Miles Park Lower Soccer Fields on May 19<sup>th</sup> as part of the annual maintenance agreement with the Township and the Colonial Soccer Club.
- The Department had the exterior of the Concession Stand painted red. It is the color opposite the blue from the WLL logo (and we painted the Pavilion in the blue). We are coordinating and having the first base dugout roofs in the park blue and the third base roofs are red. The Park Board reviewed and supported the proposal on February 4<sup>th</sup> at their meeting. In addition, we purchased stainless steel letters and the Whitemarsh Logo for the backside of the building. The sign reads – “Miles Park – Whitemarsh Township” with the Township Logo above it. The letters have been installed. Finally the main counter area at the Concession Stand has had new swing doors built and installed to prevent vandalism and will have cork board on the inside for menu and price notices at games. We are very happy that the project is complete and it is a beautiful gateway for the park.

McCarthy Park-Trails -

Miracle-Nature Trail (Grant) -

- The DVRPC Grant (Phase 1- \$10,000) of the \$40,000 feasibility study for the Miracle-Nature Trail has begun. This phase involves an engineering topographic study and determining trail opportunities given PECO parameters. The Township has received PECO approval to apply once a feasibility study is completed and the plan is formulated. The approval to move forward with a submittal is based on the concept discussions. The phase 1 report is due in December of 2020 but was submitted to the DVRPC 2020 Quarterly Report (Qtr. 1) and accepted. The Township received notification that it received a grant for \$40,000 from DCNR-C2P2 which will match the funding for the feasibility study (no Township Match required). The Township received and returned the agreement from DCNR and held the introductory call in March to initiate process. The Township staff is working with the Township engineer to provide the scope and budget for the remainder of the project to DVRPC and DCNR for approvals to proceed with funding. The Township received the initial funding payment from DCNR in the amount of \$20,000 which has been deposited to Finance. The Township submitted a RFP budget waiver request for the project to save dollars with both entities. Township Staff is meeting with Gilmore Associates to complete the planning for the remaining DCNR and DVRPC request documents in forthcoming weeks.

Parks/Facilities/Equipment/Vehicles - General –

- The water in the parks has been turned on and the comfort stations in the parks cleaned. The bathroom areas, playground areas, and exercise equipment areas are opened in green phase as of June 26<sup>th</sup>. The port-a-potty has been relocated to Valley Green Park for the remainder of the season. The timers were set in the park restrooms from 7am to 9pm. Signage has been posted alerting park users to best COVID-19 practices and the areas are being sanitized daily. Pavilion Rentals are scheduled to begin on Monday, August 10<sup>th</sup> with safety restricted guidelines.
- The gutters were cleaned out at the Koontz Park and Miles Park Building.
- The Parks System had the playgrounds inspected by a CPSI on Tuesday, June 16<sup>th</sup>.
- Miles Park and Leeland Park had storm damage tree safety work completed.

Thomas Blomstrom  
 Director of Parks and Recreation  
 2391 Harts Lane  
 Lafayette Hill, PA 19444  
 Phone: 610-828-7276 x 2401  
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## MEMORANDUM

### Whitemarsh Township Police

616 Germantown Pike, Lafayette Hill, PA 19444

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**TO:** Board of Supervisors

**FROM:** Chief Christopher P. Ward

**DATE:** July 8, 2020

**REF:** 2<sup>nd</sup> Quarter Report for 2020 (April, May and June)

**CC:** Rick Mellor, Township Manager

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**COMPLETED**

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#### Administrative:

- **Staffing-** The following Staffing Issues have affected the 2<sup>nd</sup> Quarter of 2020
  - On January 13, 2019 Cpl. Howard Laskey sustained a shoulder injury while assisting Plymouth Police with an arrest at the Plymouth Meeting Mall. The shoulder injury was determined to be a torn rotator cuff that required surgery.
    - Cpl. Laskey remained on Light Duty until he could have arthroscopic surgery on January 31, 2019 at Rothman Institute. Recovery time was expected to be six months.
    - In late June Cpl. Laskey re-injured his shoulder during re-hab and underwent another surgery on July 11, 2019. Recovery time for the second surgery is projected to be nine months. We were recently informed that his return to full-duty would be delayed until at least May 2020.
    - On February 17, 2020 we were able to bring Cpl. Laskey back to duty on “light-duty.” Corporal Laskey’s physician finally reduced his restrictions to the point that we were able to bring him back for desk duty in the station. Cpl. Laskey is not scheduled to visit his doctor again until April 14, 2020.
    - On Monday, June 22, 2020 Cpl. Laskey returned to full duty and is back on patrol. Cpl. Laskey was cleared for full duty on June 1, 2020, but the combination of needing to re-certify in a few areas before returning to patrol and bereavement leave related to the death of his father-in-law caused an additional three week delay.
  - On June 1, 2020 Sgt. Craig Cubbin sustained a full tear of his right triceps muscle while off-duty. On Wednesday, June 10, 2020 he had surgery. Sgt. Cubbin will

have at least three-months of recovery before he would be able to return to full-duty.

- On March 18, 2020 the Administrative staff went to a modified schedule in response to the COVID-19 Pandemic. Administrative personnel went to alternating days. Administrative officers went to split shifts of 7:00 AM to 3:00 PM and 3:00 PM to 11:00 PM. **On June 8, 2020 all Administrative staff returned to their “normal” schedule.**
- On March 23, 2020 the Detective Division switched to 12-hour days, with a maximum of two detectives on-duty at the same time in response to the COVID-19 Pandemic. **On June 15, 2020 the Detective Division returned to their “normal” schedule.**
- On June 15, 2020 Sgt. Michael O’Doherty advised that his son had become ill and had symptoms associated with COVID-19. Sgt. O’Doherty was placed on quarantine status. The entire O’Doherty family was tested and all came back negative. It was determined that Sgt. O’Doherty’s son had a non-COVID-19 virus that lasted four days.

- **COVID-19 Related Changes to Police Operations**

- At this time, the reports of Police personnel in other local jurisdictions being diagnosed with COVID-19 has decreased to very low levels, with at least half of those not related to work activity.
- The following COVID-19 related procedures remain in place:
  - Department wide Memorandum Issued about possible member exposures and emergency information. (All personnel were polled to make sure that they had received this information).
  - Detectives were assigned to specific vehicles as single use vehicles.
  - K-9 Officers approved for taking cars home to reduce the need to report to the station to report on-duty (reducing personal contacts in the station).
  - Temporary Police Operation Guidelines- Coronavirus/COVID-19 were issued via Memorandum.

- Scheduled Time-Off and Training was addressed in a Memorandum. Slight easing of this directive occurred when we entered the “green phase.” K9 officers and SWAT officers have returned to monthly training, with an emphasis on social distancing and safe practices.
- Lt. Greg Keenan and Sgt. Brian Mack were appointed to handle all department needs specifically related to the COVID-19 Pandemic. They are working directly with Fire Marshal Nick Weaver to address not only Police needs, but all Emergency Service and Township Staff needs.
- Chief Ward began to participate in Conference calls for the Eastern Montgomery County Chiefs of Police. These conference calls continue every Monday and as needed to address issues.
  - Best Practices are discussed.
  - Personal Protective Equipment use and supplies are discussed.
  - Crime trends
  - Dealing with the Court System
  - Dealing with Custodial Arrests
  - Staffing issues and trends are discussed.
- Fire Marshal Nick Weaver, Lt. Greg Keenan and Chief Ward started to participate in the Eastern Montgomery County Emergency Management Zoom Conference calls in reference to COVID-19. These conference calls continue every other Wednesday and as needed.
- The Montgomery County Department of Public Safety has joined these conferences with County wide information updates.
- Lt. Jeff Nowak was appointed to oversee COVID-19 and the Governor’s Closure of all Non-Life Sustaining Businesses for the Police Department in Whitmarsh Township. Lt. Nowak was charged with researching our responsibilities, guidelines and making sure that we were doing this in cooperation with our own Buildings and Codes and Zoning Departments. The original Memorandum is attached. (The Governor’s list is constantly changing.)
- Lt. Jeff Nowak was appointed the COVID-19 Exposure Control Officer for the Police Department. Lt. Nowak researched the current best practices and a Memorandum explaining those practices to our membership was issued.

A tracking form was also developed for all employees in the event of an exposure. <attached>

- **Civil Unrest and Protests Related to the In-Custody Death in Minneapolis**

- On May 25, 2020 George Floyd was killed by police while in Police Custody in Minneapolis, Minnesota. This event was the tipping point for civil unrest across the country and the world. This civil unrest spread quickly, reaching Philadelphia on Friday, May 29 and spreading into Montgomery County on Saturday, May 30, 2020. Some protests were peaceful and permitted under the 1<sup>st</sup> Amendment, while others were not peaceful and took on a destructive and criminal attitude.
- On Saturday, May 30, 2020 members of our department who are members of the Montgomery County Major Incident Response Team (MIRT) were deployed as a unit to assist Philadelphia Police with riots that had broken out in the city. This was the first we saw of peaceful protests morphing into violent and destructive riots. (Lt. Keenan is a commander to the MIRT Team)
- As evening fell on Montgomery County, the criminal element decided to invade the King of Prussia Mall in Upper Merion Township. This element started to break into the closed Mall complex (due to COVID-19) in an attempt to ransack and loot the Mall area. When Upper Merion called for help, the MIRT team was recalled to assist and all on-duty Whitmarsh Police personnel responded. (Lt. Nowak responded as our agency OIC to assist Upper Merion Command)
- Chief Ward and additional off-duty personnel were called in to patrol Whitmarsh Township.
- For the next two weeks we would keep additional personnel available to answer any calls for assistance with civil unrest in the County. Most of the “problem” areas were found in municipalities that bordered the City of Philadelphia or have major retail areas. MIRT was deployed for ten nights out of twelve and we had additional officers assisting Cheltenham, Abington, Lower Merion, Upper Merion and Norristown during that same time period.
- On June 1, 2020 local residents organized a peaceful protest/rally in Miles Park in support of Black Lives Matter. The organizers invited the police and the Board of Supervisors to attend and we did. Despite the gathering being advertised as a family friendly, peaceful event, the police department made sure to have extra personnel on-duty as a precaution and to allay fear of the non-participating residents who thought we should not allow this type of protest in our community.

- The event on June 1, 2020 was very well run, very organized, very family friendly and very peaceful. Approximately 300 local residents attended and there were no issues with this event. Police maintained a presence and assisted with some minor traffic control to ensure participants' safety.
- On June 23, 2020 there was another peaceful gathering aimed at educating children on the civil unrest issues that the nation is facing at this time. Approximately 100 people gathered at the park pavilion for this event. This was both parents and children. Police kept an eye on the event from a distance.
- Additional events were scheduled for July 4, 2020 and July 12, 2020.

### **June 3, 2020 Derecho Storm:**

- In the middle of the civil unrest and just prior to entering the “green phase” of the COVID-19 pandemic, Whitemarsh Township was hit with a destructive storm that was labeled a “Derecho” storm. Derecho storms apparently contain very destructive straight line winds that are capable of destroying entire tree lines as they pass.
  - Approximately 47 % of our township residents were without power after the storm passed through the area. Numerous roadways were blocked by down trees and many of those trees were wrapped in electrical wires. Trees fell on houses and vehicles and transformers exploded in many areas.
  - The police worked with Public Works, PennDOT, PECO, our local fire companies and the ambulance to answer the hundreds of calls that were generated for service.
  - The storm itself lasted less than 45 minutes, but people are still dealing with the aftermath today. It took almost a week to restore power to all of our residents and we saw electrical workers from as far away as Montreal, Canada in our neighborhoods.

### **Plymouth Whitemarsh High School Graduation Activities:**

- With schools closed and all gatherings limited by COVID-19, we worked with the Administration of the Colonial School District and Plymouth Whitemarsh High School to help facilitate some events for the graduating Senior Class of PWHS. The following events were scheduled and executed during the yellow and green phases of COVID-19. Additional events are planned for the future.

- May 22, May 26, May 27 and May 28, 2020 PW hosted a very organized, one student at a time, graduation ceremony in the West Gym of the High School. Each graduating senior was allowed to bring their immediate family to view them receiving their diploma (picked up from a table) in the presence of the Superintendent and the Principal. Each student was video recorded and the four day event was edited into a graduation video that was played when graduation was originally scheduled. Photographs were also taken.
- On June 10, 2020, the original graduation date, Seniors were invited to participate in a parade on the campus of the Colonial School District. Again, a very organized event, where Seniors were able to drive through the campus and see teachers from all of the Colonial School District Schools and say good-bye. Again, this was all accomplished with social distancing.

#### **Cop Camp:**

- Cop Camp, originally scheduled for June 22 through June 26, 2020 was canceled due to COVID-19.

#### **Traffic Safety:**

- Be advised that almost all Traffic related activities were curtailed in early March due to the COVID-19 Pandemic. Through the second quarter, these activities have remained very limited in an attempt to maintain social distancing and officer health.

#### **Public Relations:**

- Due to COVID-19 all of the Public Relations events from March through the end of the School year had to be postponed or cancelled. Public Relations events were limited to dealing with the civil unrest related events and information.
- Chief Ward continues to work with the Board of Supervisors and the Township Manager on Public Relations as it relates to the civil unrest and questions about Policing in Whitemarsh Township.

#### **Accreditation:**

- Due to the COVID-19 Pandemic our on-site Accreditation visit scheduled for April 7, 2020, had to be postponed. However, since we do our written proofs in a program that is Internet based, we were able to allow the assessors access to our Accreditation paperwork

remotely and they performed their inspection. The written portion of our Accreditation evaluation was approved.

- On June 15, 2020 the three assessors were able to travel to our station and complete the on-site portion of the Accreditation with no issues.
- Our Re-Accreditation will be officially confirmed at the August Meeting of the Pennsylvania Chiefs of Police Association, which was delayed from June by COVID-19.

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## ONGOING

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### **Administrative:**

- **School/Workplace Safety-** Sgt. Mack has once again started to receive inquiries about school and workplace safety presentations and issues. Some of these inquiries are follow-ups from before the pandemic and others are from folks looking for guidance and assistance in the “new normal.” I am sure that we will be working with schools and businesses a lot over the next few months as we try to figure out what the return to work and school will look like.

### **Staffing-**

- In early March we started Hiring Process to replace Ofc. Stead. The application deadline was set for April 20, 2020. Since we were unable to immediately move forward with the Hiring Process due to COVID-19, we extended the application deadline from April 20, 2020 to May 20, 2020.
- We have received 95 applications for the position and we will be narrowing that down to @ 40 applicants for the Physical Agility Testing that will be held July 11, 2020 at PWHS. We will break down into three sessions so that social distancing is maintained.
- Some information on the applicants:
  - 47 have prior law enforcement experience to include full and part-time Sheriffs, Corrections Officers, Federal, County and Municipal positions.
  - 18 Philadelphia Police officers
  - 8 current academy students (not part of 47)
  - Agencies include London Metro, San Bernardino, Virginia Beach, Washington Metro, Gainesville, Florida, Lower Merion and Montgomery County Detectives.

**Investigations:**

- Fortunately, there are no new major investigations to report at this time.

**Grants:**

- **DUI Checkpoints-** Whitmarsh Township will continue to participate in the Eastern Montgomery County DUI Task Force in 2020. This program consists of DUI checkpoints that were scheduled in Abington, Springfield, Cheltenham, Lower Moreland, Upper Moreland, Upper Dublin and Whitmarsh Townships during the spring and summer, with roving patrols scheduled when grant money is available. Due to the COVID-19 Pandemic, the 2020 Schedule has not been established.
- **2020 Aggressive Driver and Buckle-Up-PA Grants-** These grants continue to be administered by Sgt. Michael O'Doherty and the Traffic Safety Unit through-out the year. Officers are deployed on State Highways and adjoining roads and focus on aggressive (dangerous) drivers and seatbelt violators. This program will continue into 2020, but is temporarily on hold due to the COVID-19 Pandemic.

**Community Outreach Programs:**

- **Senior Assist Program (SAP) -** We continue to offer senior residents assistance with obtaining additional services. Lt. Nowak, Sgt. Brian Mack and Ken Stout coordinate with senior residents to make sure they are receiving the services they need. Plans are being formulated to include "special needs" individuals of all ages into this type of program.

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**UPCOMING**

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**Staffing:**

- The Hiring Process will continue with the Physical Agility scheduled for July 11, 2020 and the Oral Interviews will occur in August.

**Accreditation:**

- We will start the next Accreditation cycle immediately, as we prepare for our sixth Re-Accreditation in April of 2023.

**Upcoming Events:**

- Preparations for the Fall and Winter activities are underway;
  - Lt. Greg Keenan has been Nominated to the FBI National Academy in Quantico, Virginia for the 281 Session, which was delayed by COVID-19. We are waiting to hear when the National Academy will resume and Lt. Keenan can get re-scheduled to attend.
  
  - School and business re-opening will probably be the main focus of our planning.
  
- Our Traffic Safety Unit continues to work very closely with the Township Engineers Office to plan for the impending Intersection Improvement Construction on Stenton Avenue and Flourtown Roads, Stenton Avenue and Joshua Road and Joshua Road and Flourtown Road. Traffic Safety has been studying proposed detours and offering guidance and advice on safer and more efficient detours.
  
- The Police Department is also assisting with the planning for both the traffic signal at Flourtown and Colonial and the improved, lighted crosswalk in front of PW at Germantown and Mayflower.

**WHITEMARSH TOWNSHIP  
DEPARTMENTAL REPORT**

**INDEX**

**June 30, 2020**

- ❖ **Departmental Report – March 2020 (2 pages)**
- ❖ **General Fund – Comparative Budget Performance Summary for June 2020 vs. 2019 (3 pages)**
  - **General Fund Current Year Budget versus Actuals as of June 30, 2020 (16 pages)**
- ❖ **Open Space Fund – Memo for June 2020 (1 Page)**
  - **Open Space Fund – Cumulative Cash Flow from Inception to June 30, 2020 (4 pages)**
  - **Supplemental Information (1 pages)**
- ❖ **Combined Statement of Reserve Funds – Comparative Budget**
  - **Performance Summary as of June 30, 2020 (2 pages)**
  - **Combined Schedule of Reserve Fund Balances (2 pages)**
  - **Combined Schedule of Certificate of Deposit Balances (4 pages)**
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**WHITEMARSH TOWNSHIP  
DEPARTMENTAL REPORT**

**Department:** Finance

**Month Ending:** June 30, 2020

**Submitted by:** Nathan L. Crittendon, MSB  
Finance Director

The attached report includes transactions applicable to the 2020 budget year as of June 30, 2020. The Quarterly Report includes a comparison of 2020 Budgeted Revenue and Expenditures for the General Fund along with the year to date actuals for the quarter ended June 30, 2020, and 2019, with the most notable highlight below.

Barring the checking balance forward & liquid fuels transfer, the General Fund realized a combined \$1,295,802 favorable variances in both revenues and expenditures. Significant increases in revenues are seen both in the Real Estate tax collection and the license & permits lines, representing an increase of \$486,235 between years, which is primarily due to commercial construction and a favorable increase in collection receipts. The lines above make up 38% of the favorable variance as of June 30, 2020. General Fund Expenditures have seen a decrease of almost 13% between years, roughly \$1,445,017. This decrease is due attributed to conservative spending and the completion of some capital projects, which impact labor expenses, and overall soften potentially higher bottom line expenditure costs.

Included in the General Fund Comparative Summary report are other explanations of crucial revenue and expenditure line-item fluctuations.

Following the General Fund Report, is an accounting of Open Space activity and an update of the Township's Reserve Funds totaling \$24,862,676 as of June 30, 2020. These reserve funds are set aside for specific future purposes, should the need arise. The Open Space Fund \$8,831,733 and Capital Reserve Fund \$7,537,363 balances comprise 66% of the Township's reserves. The Reserves set aside in General Fund totaling \$5,809,978 provide funds for future Business Tax appeals, Insurance Cost increases, trash disposal, and potential budgetary needs (See detail in the Reserve Fund Section of the Report for activity and Township Reserve balances).

**WHITEMARSH TOWNSHIP  
QUARTERLY REPORTS  
FOR THE QUARTER ENDED  
JUNE 30, 2020**

**COMPARATIVE BUDGET PERFORMANCE REPORT JUNE 2020 VS. JUNE 2019**

The following is a summary of General Fund variances between current and prior year to date actual balances. Comparison between current year actual and budgeted amounts is also noted to assess current year performance compared to the 2019 budget.

**General Fund Revenues**

- ❖ **Real Estate Taxes** – The year to date 2020 collections increased by \$366,194 from the 2019 level for the category. The increase is in the year to date collections for current real estate taxes, which are 11% above the 2019 level. Increases in both delinquent and interim tax collection exceeded prior year performance by a combined 120%. This variance comes as a result of an increase in home sales and period to date Real Estate Tax collection efforts, resulting in the Township receiving 94% of its budgeted Real Estate Taxes Revenue.
  
- ❖ **Act 511 Taxes** – This category represents taxes collected in accordance with the Local Enabling Tax Act (Act 511). Overall, revenue decreased by \$4,081,194 between years. The primary contributor to this decrease is the Earned Income Taxes, which decreased by 27% or \$1,273,548 between years and the business taxes. However, meetings have been held with vendors to assess changes in projections as necessary. The Act 511 Tax collection efforts resulted in the Township receiving 51% of its budgeted revenue.
  
- ❖ **Licenses and Permits** – revenue has increased by \$120,041 due to increases in both commercial and residential construction. Building Permits make up a majority of the gains, exceeding the 2019 level by \$168,487. Overall, this revenue line is 127% realized.

- ❖ **Interest Earnings** – decreased by \$ 13,153 between years as interest rates have declined on the Township’s interest-bearing accounts as a result of the Covid-19 pandemic outfall. These lower returns represent a 40% decrease between the years.
- ❖ **Payments In Lieu of Taxes** – Increased by \$11,636 between years due to receiving funds earlier than in past years. This revenue line is 137% to budgeted amounts for the year.
- ❖ **Executive** – The variance of roughly -14% between years is primarily due to planned expenditures in computer tech services costs and budgeted salary expenses.
- ❖ **Finance** – Year to date variance of \$3,893 is primarily due to budgeted salary expenses and again planned technology upgrades.
- ❖ **Tax Collection** – The decrease of \$64,087 between years is a product of delays in receiving invoicing from e-collect. Increases in this expense line are expected for the quarter to follow as invoicing for Business Tax collection commission is received.
- ❖ **Engineering** – Decreased by \$101,540 due to a reduction in engineering costs per billings and delayed submissions of current invoices.
- ❖ **Building** – Decreased by \$103,715 between years due to Public Work’s labor costs with regards to prior year capital projects.
- ❖ **Police** – The 2019 expenditures decreased by \$513,020 from the prior-year level is primarily due to the timing of Replacement vehicle purchases, and the timing of year-end accrual adjustments for compensatory absences contributed to variances.

- ❖ **Solid Waste Collection & Disposal** – Cost increases due to the newly entered Mascaro agreement have resulted in a \$667,407 increase. This increase roughly represents a 77% difference between years
  
- ❖ **Public Works** – departmental costs decreased by \$46,324. The increase is primarily due to budgeted salary increases and the timing of supply purchases. Some of the additional Highway labor expenses realized were offset by staffing changes in the prior year as a result of retirements.

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR: GENERAL FUND		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
130100 REAL ESTATE TAXES					
0130100 401110	RE TAXES - CURRENT	\$ (3,122,256.47)	\$ (3,451,320.96)	\$ (3,742,456.00)	\$ (291,135.04)
0130100 401210	RE TAXES - T.I.F. REVENUE	\$ (70,734.00)	\$ (70,734.00)	\$ (71,000.00)	\$ (266.00)
0130100 401310	RE TAXES - DELINQUENT	\$ (43,438.51)	\$ (49,237.93)	\$ (30,000.00)	\$ 19,237.93
0130100 401610	RE TAXES - INTERIM	\$ (29,212.78)	\$ (60,543.33)	\$ (20,000.00)	\$ 40,543.33
<b>TOTAL</b>	<b>REAL ESTATE TAXES</b>	<b>\$ (3,265,641.76)</b>	<b>\$ (3,631,836.22)</b>	<b>\$ (3,863,456.00)</b>	<b>\$ (231,619.78)</b>
131000 ACT 511 TAXES					
0131000 410110	RE TRANS TAX	\$ (1,022,387.11)	\$ (324,917.81)	\$ (850,000.00)	\$ (525,082.19)
0131000 410200	EARNED INCOME TAX	\$ (4,803,560.42)	\$ (3,530,012.52)	\$ (6,300,000.00)	\$ (2,769,987.48)
0131000 410201	OPEN SPACE EARNED INCOME TAX	\$ (1,650,343.05)	\$ (1,190,741.03)	\$ (2,175,000.00)	\$ (984,258.97)
0131000 410310	MERCANTILE TAX	\$ (683,885.33)	\$ (49,634.15)	\$ (720,000.00)	\$ (670,365.85)
0131000 410510	LOCAL SERVICES TAX	\$ (540,045.80)	\$ (347,518.79)	\$ (705,000.00)	\$ (357,481.21)
0131000 410610	ADMISS TAX - AMUSEMENT	\$ (26,197.06)	\$ (4,067.44)	\$ (43,000.00)	\$ (38,932.56)
0131000 410810	BUSINESS PRIVILEGE TAX	\$ (1,990,293.06)	\$ (1,188,625.98)	\$ (2,070,000.00)	\$ (881,374.02)
0131000 410910	COMPLIANCE AUDITS	\$ -	\$ -	\$ (60,000.00)	\$ -
<b>TOTAL</b>	<b>ACT 511 TAXES</b>	<b>\$ (10,716,711.83)</b>	<b>\$ (6,635,517.72)</b>	<b>\$ (12,923,000.00)</b>	<b>\$ (6,287,482.28)</b>
132000 LICENSE & PERMITS					
0132000 420010	BEVERAGE LICENSE - LIQUOR	\$ (6,082.00)	\$ -	\$ (6,000.00)	\$ -
0132000 420020	BUILDING PERMITS	\$ (270,055.00)	\$ (438,542.17)	\$ (300,000.00)	\$ 138,542.17
0132000 420050	PLUMBING PERMITS	\$ (21,449.50)	\$ (19,615.00)	\$ (25,000.00)	\$ (5,385.00)
0132000 420060	ROAD ENCROACHMENT FEES	\$ (45,170.00)	\$ (5,190.00)	\$ (13,000.00)	\$ (7,810.00)
0132000 420070	ZONING PERMITS	\$ (16,820.00)	\$ (15,830.00)	\$ (22,000.00)	\$ (6,170.00)
0132000 420080	S E O CONSULTATIONS	\$ (8,090.00)	\$ (4,805.00)	\$ (8,500.00)	\$ (3,695.00)
0132000 420083	GRADING PERMIT FEES	\$ (1,266.00)	\$ (2,460.00)	\$ (4,000.00)	\$ (1,540.00)
0132000 420084	FIRE MARSHAL	\$ (12,849.50)	\$ (15,850.00)	\$ (17,500.00)	\$ (1,650.00)
0132000 420085	OTHER FEES	\$ (1,045.00)	\$ (576.00)	\$ (1,200.00)	\$ (624.00)
<b>TOTAL</b>	<b>LICENSE &amp; PERMITS</b>	<b>\$ (382,827.00)</b>	<b>\$ (502,868.17)</b>	<b>\$ (397,200.00)</b>	<b>\$ 105,668.17</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
133100 FINES					
0133100 431110	VEHICLE CODE VIOLATIONS	\$ (27,957.25)	\$ (11,953.72)	\$ (50,000.00)	\$ (38,046.28)
0133100 431120	VIOLATION OF ORDINANCES	\$ (4,797.73)	\$ (3,733.98)	\$ (17,500.00)	\$ (13,766.02)
0133100 431140	OTHER	\$ -	\$ (3,913.85)	\$ -	\$ 3,913.85
<b>TOTAL</b>	<b>FINES</b>	<b>\$ (32,754.98)</b>	<b>\$ (19,601.55)</b>	<b>\$ (67,500.00)</b>	<b>\$ (47,898.45)</b>

134100 INTEREST EARNED					
0134100 441100	INTEREST EARNED	\$ (135,180.45)	\$ (44,794.63)	\$ (100,000.00)	\$ (55,205.37)
<b>TOTAL</b>	<b>INTEREST EARNED</b>	<b>\$ (135,180.45)</b>	<b>\$ (44,794.63)</b>	<b>\$ (100,000.00)</b>	<b>\$ (55,205.37)</b>

134200 RENTS & FRANCHISE FEES					
0134200 442200	RENT - SOVERIGN BANK	\$ (86,250.00)	\$ (41,662.50)	\$ (90,000.00)	\$ (48,337.50)
0134200 442202	CABLE FRANCHISE FEES	\$ (239,289.09)	\$ (100,593.55)	\$ (490,000.00)	\$ (389,406.45)
<b>TOTAL</b>	<b>RENTS &amp; FRANCHISE FEES</b>	<b>\$ (325,539.09)</b>	<b>\$ (142,256.05)</b>	<b>\$ (580,000.00)</b>	<b>\$ (437,743.95)</b>

135500 STATE SHARED REVENUES					
0135500 455010	PUBLIC UTILITY BY STATE	\$ -	\$ -	\$ (15,000.00)	\$ -
0135500 455120	ST FOREIGN CAS INS PENSIONS	\$ -	\$ -	\$ (500,000.00)	\$ -
0135500 455130	ST FOREIGN FIRE INS	\$ -	\$ -	\$ (160,000.00)	\$ -
0135500 455140	STATE GRANTS	\$ -	\$ -	\$ -	\$ -
0135500 455144	OTHER GRANTS	\$ -	\$ (70,395.75)	\$ -	\$ 70,395.75
<b>TOTAL</b>	<b>STATE SHARED REVENUES</b>	<b>\$ -</b>	<b>\$ (70,395.75)</b>	<b>\$ (675,000.00)</b>	<b>\$ (604,604.25)</b>

135900 PAYMENTS IN LIEU OF TAXES					
0135900 459100	PAYMENT IN LIEU OF TAXES	\$ (63,873.38)	\$ (75,509.45)	\$ (55,000.00)	\$ 20,509.45
<b>TOTAL</b>	<b>PAYMENTS IN LIEU OF TAXE</b>	<b>\$ (63,873.38)</b>	<b>\$ (75,509.45)</b>	<b>\$ (55,000.00)</b>	<b>\$ 20,509.45</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
136100 GENERAL GOVERNMENT					
0136100 461125	RE TAX CERTIFICATIONS	\$ (11,927.00)	\$ (10,606.00)	\$ (12,500.00)	\$ (1,894.00)
0136100 461125 0300	R/E TAX CERTIFICATIONS	\$ -	\$ (5,000.00)	\$ -	\$ 5,000.00
0136100 461130	POLICE ALARM FEES PERMITS	\$ -	\$ (21.67)	\$ -	\$ 21.67
0136100 461320	ESCROW ADMIINISTRATION FEES	\$ (9,239.43)	\$ (1,500.00)	\$ (5,000.00)	\$ (3,500.00)
0136100 461340	FILING FEES SUB DIV	\$ (1,000.00)	\$ -	\$ (1,000.00)	\$ -
0136100 461341	ZONING AMENDMENTS	\$ (75.00)	\$ -	\$ -	\$ -
0136100 461342	ZONING HEARING FEES	\$ (18,230.00)	\$ (13,650.00)	\$ (20,000.00)	\$ (6,350.00)
0136100 461510	MAPS ORDINANCS CODES	\$ (54.00)	\$ -	\$ (100.00)	\$ -
0136100 461520	TAX COLLECTION SERVICES	\$ (21,020.05)	\$ (19,449.89)	\$ (28,000.00)	\$ (8,550.11)
<b>TOTAL</b>	<b>GENERAL GOVERNMENT</b>	<b>\$ (61,545.48)</b>	<b>\$ (50,227.56)</b>	<b>\$ (66,600.00)</b>	<b>\$ (16,372.44)</b>
136110 POLICE REVENUE					
0136110 461110	POLICE SPECIAL DUTY	\$ (36,574.96)	\$ (36,904.42)	\$ (50,000.00)	\$ (13,095.58)
0136110 461130	POLICE ALARM FEES & PERMITS	\$ (6,501.22)	\$ (4,271.35)	\$ (11,000.00)	\$ (6,728.65)
0136110 461140	CROSSING GUARD REIMBURSEMENT	\$ (5,461.77)	\$ 566.78	\$ (14,500.00)	\$ (15,066.78)
0136110 461145	POLICE GRANT FUNDS REVENUE	\$ (5,000.00)	\$ -	\$ (7,500.00)	\$ -
0136110 461150	POLICE MISC INCOME	\$ (6,383.90)	\$ (5,122.20)	\$ (7,500.00)	\$ (2,377.80)
<b>TOTAL</b>	<b>POLICE REVENUE</b>	<b>\$ (59,921.85)</b>	<b>\$ (45,731.19)</b>	<b>\$ (90,500.00)</b>	<b>\$ (44,768.81)</b>
136300 PUBLIC WORKS CHARGES					
0136300 463600	MULCH CHARGES	\$ (3,843.00)	\$ (578.00)	\$ (3,500.00)	\$ (2,922.00)
<b>TOTAL</b>	<b>PUBLIC WORKS CHARGES</b>	<b>\$ (3,843.00)</b>	<b>\$ (578.00)</b>	<b>\$ (3,500.00)</b>	<b>\$ (2,922.00)</b>
138000 MISCELANEOUS REVENUE					
0138000 480210	SALE OF PROP	\$ (8,550.69)	\$ -	\$ (20,000.00)	\$ -
0138000 480215	EV CHARGING STA PROCEEDS	\$ (64.75)	\$ (106.04)	\$ (500.00)	\$ (393.96)
0138000 480310	MISCELLANEOUS INCOME	\$ (6,279.93)	\$ (4,589.13)	\$ (5,000.00)	\$ (410.87)
0138000 480331	ROAD MAINTENANCE REIMB	\$ (620.42)	\$ (1,337.71)	\$ (9,000.00)	\$ (7,662.29)
0138000 480375	INSURANCE POOLS DIVIDENS & CR	\$ -	\$ -	\$ (120,000.00)	\$ -
0138000 480420	INS CLAIMS DVIT	\$ (30,386.37)	\$ (83,072.50)	\$ (3,000.00)	\$ 80,072.50
0138000 480440	BENEFIT REIMBURSEMENTS	\$ (71,586.08)	\$ (46,942.79)	\$ (100,000.00)	\$ (53,057.21)
0138000 480450	P CARD REBATE	\$ -	\$ -	\$ (12,500.00)	\$ -
0138000 480521	WASTE REBATES/REFUNDS	\$ -	\$ (308.50)	\$ -	\$ 308.50
<b>TOTAL</b>	<b>MISCELANEOUS REVENUE</b>	<b>\$ (117,488.24)</b>	<b>\$ (136,356.67)</b>	<b>\$ (270,000.00)</b>	<b>\$ (133,643.33)</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
139200 INTERFUND TRANSFERS					
0139200 492020	FROM STATE LIQUID FUEL	\$ -	\$ -	\$ (530,000.00)	\$ -
0139200 492050	FROM REFUSE FEE FUND	\$ -	\$ -	\$ (1,404,550.00)	\$ -
<b>TOTAL</b>	<b>INTERFUND TRANSFERS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (1,934,550.00)</b>	<b>\$ -</b>

139900 FUND BALANCE FORWARD

0139900 499000	CHECKING BALANCE FORWARD	\$ (4,711,790.51)	\$ -	\$ (2,340,474.00)	\$ -
<b>TOTAL</b>	<b>FUND BALANCE FORWARD</b>	<b>\$ (4,711,790.51)</b>	<b>\$ -</b>	<b>\$ (2,340,474.00)</b>	<b>\$ -</b>

140000 LEGISLATIVE

0140000 500003	SHADE TREE	\$ 10,462.50	\$ 3,854.50	\$ 3,500.00	\$ (354.50)
0140000 500004	ENVIRONMENTAL	\$ 653.25	\$ -	\$ 2,000.00	\$ -
0140000 500100	SUPERVISERS	\$ 8,333.20	\$ 3,124.95	\$ 12,500.00	\$ 9,375.05
<b>TOTAL</b>	<b>LEGISLATIVE</b>	<b>\$ 19,448.95</b>	<b>\$ 6,979.45</b>	<b>\$ 18,000.00</b>	<b>\$ 11,020.55</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
140100 EXECUTIVE					
0140100 500100	ADMINISTRATIVE SALARY	\$ 260,237.11	\$ 251,943.53	\$ 458,732.00	\$ 206,788.47
0140100 500210	MATERIALS & SUPPLIES	\$ 11,261.51	\$ 8,179.66	\$ 20,000.00	\$ 11,820.34
0140100 500215	BUSINESS EXPENSE	\$ 26,838.20	\$ 11,906.27	\$ 27,390.00	\$ 15,483.73
0140100 500218	COVID-19 EXPENDITURES	\$ -	\$ 2,322.47	\$ -	\$ (2,322.47)
0140100 500311	AUDITING/FINANCIAL EVALUATION	\$ 25,060.00	\$ 20,825.00	\$ 27,000.00	\$ 6,175.00
0140100 500314	LEGAL	\$ 149,248.77	\$ 101,334.18	\$ 300,000.00	\$ 198,665.82
0140100 500314 00351	HMI REMEDIATION	\$ 1,340.00	\$ 471.50	\$ -	\$ (471.50)
0140100 500317	CODIFICATION	\$ -	\$ -	\$ 5,000.00	\$ -
0140100 500318	COMPUTER TECH SERVICE	\$ 49,577.53	\$ 43,731.42	\$ 50,000.00	\$ 6,268.58
0140100 500321	TELEPHONE	\$ 26,063.53	\$ 19,020.63	\$ 44,840.00	\$ 25,819.37
0140100 500325	POSTAGE	\$ 7,323.14	\$ 4,972.48	\$ 9,000.00	\$ 4,027.52
0140100 500331	GAS AND OIL	\$ 999.23	\$ 449.21	\$ 2,500.00	\$ 2,050.79
0140100 500332	VOE GENERAL	\$ 3,985.62	\$ 1,830.07	\$ 6,046.00	\$ 4,215.93
0140100 500341	ADVERTISING	\$ 10,005.91	\$ 8,461.40	\$ 12,000.00	\$ 3,538.60
0140100 500342	PRINTING	\$ -	\$ -	\$ 5,000.00	\$ -
0140100 500344	NEWSLETTER-REPORT	\$ -	\$ 5,975.98	\$ -	\$ (5,975.98)
0140100 500350	GENERAL LIABILITY	\$ 18,052.30	\$ 27,033.00	\$ 36,436.00	\$ 9,403.00
0140100 500351	BOILER INSURANCE	\$ 140.00	\$ 258.00	\$ 327.00	\$ 69.00
0140100 500353	BONDING	\$ -	\$ -	\$ 4,216.00	\$ -
0140100 500372	JANITORIAL SERVICES	\$ 8,690.00	\$ -	\$ 15,000.00	\$ -
0140100 500374	MAINT & REPAIRS - MACH & EQUIP	\$ 18.00	\$ -	\$ 1,750.00	\$ -
0140100 500383	RENTAL- COPY MACHINE & EQUIP	\$ 1,627.24	\$ 3,211.66	\$ 2,750.00	\$ (461.66)
0140100 500450	CONTRACTED SERVICES	\$ 10,000.00	\$ 12,800.00	\$ 20,000.00	\$ 7,200.00
0140100 500742	CAPITAL OUTLAY - MACH & EQUIP	\$ -	\$ -	\$ 15,000.00	\$ -
<b>TOTAL</b>	<b>EXECUTIVE</b>	<b>\$ 610,468.09</b>	<b>\$ 524,726.46</b>	<b>\$ 1,062,987.00</b>	<b>\$ 538,260.54</b>

140200 FINANCIAL ADMINISTRATION

0140200 500100	FINANCE F/T	\$ 124,719.13	\$ 127,111.03	\$ 274,458.00	\$ 147,346.97
0140200 500215	BUSINESS EXPENSE	\$ -	\$ 530.28	\$ 2,750.00	\$ 2,219.72
0140200 500318	COMPUTER SERVICES	\$ 26,939.21	\$ 27,910.40	\$ 43,000.00	\$ 15,089.60
<b>TOTAL</b>	<b>FINANCIAL ADMINISTRATION</b>	<b>\$ 151,658.34</b>	<b>\$ 155,551.71</b>	<b>\$ 320,208.00</b>	<b>\$ 164,656.29</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
140300 TAX COLLECTION					
0140300 500100	TAX COLL SALARY	\$ 16,518.99	\$ 16,051.50	\$ 27,823.00	\$ 11,771.50
0140300 500301	COMMISSION - MERCANTILE	\$ 17,033.12	\$ 1,247.22	\$ 15,000.00	\$ 13,752.78
0140300 500302	COMMISSION - BUSINESS PRIV	\$ 65,381.49	\$ 23,842.03	\$ 60,000.00	\$ 36,157.97
0140300 500303	COMMISSION LST /O.P.T.	\$ 10,730.60	\$ 6,053.19	\$ 13,500.00	\$ 7,446.81
0140300 500304	COMMISSION - AMUSEMENT TAX	\$ 437.21	\$ 14.42	\$ 1,100.00	\$ 1,085.58
0140300 500311	AUDITING/FINANCIAL EVALUATION	\$ 2,247.14	\$ 362.24	\$ 30,000.00	\$ 29,637.76
0140300 500325	POSTAGE	\$ 764.73	\$ 3,164.56	\$ 1,200.00	\$ (1,964.56)
0140300 500342	PRINTING	\$ 1,388.38	\$ 3,005.45	\$ 4,000.00	\$ 994.55
0140300 500365	TAX REFUNDS - R E & OTH TAXES	\$ -	\$ -	\$ 25,000.00	\$ -
0140300 516104	EIT TAX COLLECTION FEES	\$ 44,796.47	\$ 41,470.40	\$ 75,000.00	\$ 33,529.60
<b>TOTAL</b>	<b>TAX COLLECTION</b>	<b>\$ 159,298.13</b>	<b>\$ 95,211.01</b>	<b>\$ 252,623.00</b>	<b>\$ 157,411.99</b>

140800 ENGINEERING SERVICES					
0140800 500313	ENGINEERING SVCS	\$ 184,782.20	\$ 119,588.21	\$ 350,000.00	\$ 230,411.79
0140800 500313 00351	HMI REMEDIATION	\$ 45,811.47	\$ 9,965.19	\$ -	\$ (9,965.19)
0140800 500450	CONTRACTED SERVICES	\$ 500.00	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>ENGINEERING SERVICES</b>	<b>\$ 231,093.67</b>	<b>\$ 129,553.40</b>	<b>\$ 350,000.00</b>	<b>\$ 220,446.60</b>

140900 GENERAL GOV'T BUILDINGS & PLNT					
0140900 500100	FACILITIES SALARY	\$ 113,872.56	\$ 35,484.88	\$ 120,000.00	\$ 84,515.12
0140900 500110	FACILITIES O/T	\$ 5,960.17	\$ 290.22	\$ 6,500.00	\$ 6,209.78
0140900 500115	FACILITIES PART TIME	\$ 7,334.79	\$ 4,064.00	\$ 8,000.00	\$ 3,936.00
0140900 500210	MATERIALS & SUPPLIES	\$ 16,296.87	\$ 3,429.02	\$ 8,000.00	\$ 4,570.98
0140900 500218	COVID-19 EXPENDITURES	\$ -	\$ 1,074.92	\$ -	\$ (1,074.92)
0140900 500235	FUEL OIL	\$ 4,638.56	\$ 4,059.06	\$ 7,500.00	\$ 3,440.94
0140900 500361	ELECTRICITY	\$ 29,338.18	\$ 21,208.39	\$ 50,000.00	\$ 28,791.61
0140900 500362	NATURAL GAS	\$ 3,933.98	\$ 2,628.93	\$ 6,000.00	\$ 3,371.07
0140900 500366	WATER	\$ 4,250.95	\$ 3,979.38	\$ 8,100.00	\$ 4,120.62
0140900 500370	MAIN & REPAIRS - OTHER BLDGS	\$ -	\$ 792.21	\$ -	\$ (792.21)
0140900 500372	JANITORIAL SERVICES	\$ -	\$ 11,407.38	\$ -	\$ (11,407.38)
0140900 500373	MAINT & REPAIRS - 616-618	\$ 39,088.64	\$ 21,731.96	\$ 60,000.00	\$ 38,268.04
0140900 500374	MAIN & REPAIRS - HARTS LANE	\$ 2,119.65	\$ 12,968.91	\$ 5,000.00	\$ (7,968.91)
<b>TOTAL</b>	<b>GENERAL GOV'T BUILDINGS</b>	<b>\$ 226,834.35</b>	<b>\$ 123,119.26</b>	<b>\$ 279,100.00</b>	<b>\$ 155,980.74</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
141000 POLICE GENERAL					
0141000 500191	UNIFORM GENERAL	\$ 23,392.00	\$ 3,521.95	\$ 58,700.00	\$ 55,178.05
0141000 500193	TRAINING	\$ 13,909.43	\$ 6,475.01	\$ 28,840.00	\$ 22,364.99
0141000 500194	TUITION REIMBURSEMENT	\$ 9,875.48	\$ 9,873.00	\$ 36,750.00	\$ 26,877.00
0141000 500210	MATERIALS & SUPPLIES	\$ 8,339.90	\$ 6,799.20	\$ 25,900.00	\$ 19,100.80
0141000 500211	PUBLIC RELATIONS	\$ 2,908.28	\$ 7,561.80	\$ 12,000.00	\$ 4,438.20
0141000 500215	BUSINESS EXPENSE	\$ 662.69	\$ 76.78	\$ 2,000.00	\$ 1,923.22
0141000 500218	COVID-19 EXPENDITURES	\$ -	\$ 7,653.22	\$ -	\$ (7,653.22)
0141000 500221	AMMUNITION & SIMILAR MATTER	\$ 9,982.20	\$ 6,526.68	\$ 34,842.00	\$ 28,315.32
0141000 500318	COMPUTER MAINTENANCE AGREEMENT	\$ 23,032.98	\$ 26,539.42	\$ 41,476.00	\$ 14,936.58
0141000 500319	IT CONTRACTED & MAINTENANCE	\$ 4,522.40	\$ 6,342.20	\$ 12,000.00	\$ 5,657.80
0141000 500321	TELEPHONE	\$ 1,120.30	\$ -	\$ -	
0141000 500324	CELL PHONES	\$ 8,538.94	\$ 9,680.45	\$ 20,640.00	\$ 10,959.55
0141000 500327	RADIOS	\$ -	\$ 250.00	\$ 8,550.00	\$ 8,300.00
0141000 500331	GAS OIL LUBRICATION	\$ 46,612.35	\$ 21,867.76	\$ 85,100.00	\$ 63,232.24
0141000 500332	VOE GENERAL	\$ 100,040.80	\$ 45,107.81	\$ 149,022.00	\$ 103,914.19
0141000 500341	ADVERTISING	\$ -	\$ -	\$ 1,500.00	\$ -
0141000 500342	PRINTING	\$ 913.73	\$ -	\$ 4,500.00	\$ -
0141000 500350	GENERAL LIABILITY	\$ 31,079.92	\$ 48,798.00	\$ 65,150.00	\$ 16,352.00
0141000 500372	JANITORIAL SERVICES	\$ 8,690.00	\$ 125.00	\$ 15,000.00	\$ 14,875.00
0141000 500374	MAIN & REPAIRS - MACH & EQUIP	\$ 15,628.73	\$ 11,206.71	\$ 25,000.00	\$ 13,793.29
0141000 500410	POLICE TESTING	\$ -	\$ (397.32)	\$ 2,500.00	\$ 2,897.32
0141000 500420	SUBSCRIPT PERIODICALS	\$ 1,424.70	\$ 2,258.31	\$ 3,000.00	\$ 741.69
0141000 500740	VEHICLE EQUIPMENT / REPAIRS	\$ -	\$ 362.22	\$ 5,500.00	\$ 5,137.78
0141000 500741	REPLACEMENT - VEHICLES	\$ 129,257.39	\$ -	\$ 117,230.00	\$ -
0141000 500746	COMPUTER - MACH & EQUIP CAP	\$ 29,966.40	\$ 12,176.88	\$ 26,500.00	\$ 14,323.12
0141000 500747	MDT COMPUTERS / MAINT & RPAIRS	\$ 5,424.44	\$ 295.84	\$ 22,900.00	\$ 22,604.16
0141000 500750	REPLACEMENT- MACH & EQUIP	\$ 221.90	\$ 1,500.00	\$ 7,000.00	\$ 5,500.00
0141000 500752	EMERGENCY MANAGEMENT COSTS	\$ 611.97	\$ 629.65	\$ 7,000.00	\$ 6,370.35
0141000 500755	CANINE UNIT	\$ 9,698.30	\$ 6,884.85	\$ 12,700.00	\$ 5,815.15
<b>TOTAL</b>	<b>POLICE GENERAL</b>	<b>\$ 485,855.23</b>	<b>\$ 242,115.42</b>	<b>\$ 831,300.00</b>	<b>\$ 589,184.58</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
141020 CHIEF					
0141020 500100	CHIEF OF POLICE F/T	\$ 93,025.54	\$ 85,255.65	\$ 147,699.23	\$ 62,443.58
0141020 500112	CHIEF LONGEVITY	\$ 7,156.24	\$ 7,388.82	\$ 7,384.96	\$ (3.86)
0141020 500114	CHIEF ED BONUS	\$ 475.00	\$ -	\$ 475.00	\$ -
0141020 500116	CHIEF CONTRACT PAYMENTS	\$ 1,400.00	\$ -	\$ 1,900.00	\$ -
<b>TOTAL</b>	<b>CHIEF</b>	<b>\$ 102,056.78</b>	<b>\$ 92,644.47</b>	<b>\$ 157,459.19</b>	<b>\$ 64,814.72</b>

141024 LIEUTENANTS					
0141024 500100	LIEUTENANTS SALARY F/T	\$ 169,584.40	\$ 155,445.00	\$ 269,378.55	\$ 113,933.55
0141024 500111	LT SPECIAL DUTY	\$ 1,175.65	\$ 1,422.73	\$ 2,000.00	\$ 577.27
0141024 500112	LT LONGEVITY	\$ 5,219.14	\$ -	\$ 12,000.00	\$ -
0141024 500114	LT EDUCATION BONUS	\$ -	\$ -	\$ 1,100.00	\$ -
0141024 500116	LT CONTRACT PAYMENTS	\$ 2,000.00	\$ 2,000.00	\$ 4,400.00	\$ 2,400.00
<b>TOTAL</b>	<b>LIEUTENANTS</b>	<b>\$ 177,979.19</b>	<b>\$ 158,867.73</b>	<b>\$ 288,878.55</b>	<b>\$ 130,010.82</b>

141026 SERGEANTS					
0141026 500100	SERGEANTS SALARY F/T	\$ 453,423.61	\$ 498,496.53	\$ 864,244.83	\$ 365,748.30
0141026 500110	SGTS OVERTIME	\$ 5,438.74	\$ 7,096.80	\$ 18,500.00	\$ 11,403.20
0141026 500111	SGT SPECIAL DUTY	\$ 648.64	\$ 10,408.64	\$ 4,000.00	\$ (6,408.64)
0141026 500112	SGT LONGEVITY	\$ 23,672.91	\$ 14,761.72	\$ 33,250.00	\$ 18,488.28
0141026 500113	SGT HOLIDAY	\$ 20,162.56	\$ 5,204.32	\$ 36,450.00	\$ 31,245.68
0141026 500114	SGT EDUCATION BONUS	\$ 2,525.00	\$ 3,000.00	\$ 3,400.00	\$ 400.00
0141026 500116	SGT CONTRACT PAYMENTS	\$ 4,900.00	\$ 4,300.00	\$ 9,000.00	\$ 4,700.00
<b>TOTAL</b>	<b>SERGEANTS</b>	<b>\$ 510,771.46</b>	<b>\$ 543,268.01</b>	<b>\$ 968,844.83</b>	<b>\$ 425,576.82</b>

141028 CORPORALS					
0141028 500100	CORPORAL SALARY F/T	\$ 276,849.01	\$ 277,892.29	\$ 480,628.16	\$ 202,735.87
0141028 500110	CPL OVERTIME	\$ 12,215.07	\$ 5,258.50	\$ 20,000.00	\$ 14,741.50
0141028 500111	CPL SPECIAL DUTY	\$ 3,530.71	\$ 2,538.65	\$ 8,000.00	\$ 5,461.35
0141028 500112	CPL LONGEVITY	\$ 9,261.82	\$ 10,758.19	\$ 14,350.00	\$ 3,591.81
0141028 500113	CPL HOLIDAY	\$ 9,796.16	\$ 15,172.08	\$ 20,250.00	\$ 5,077.92
0141028 500114	CPL EDUCATION BONUS	\$ 1,100.00	\$ 1,725.00	\$ 2,250.00	\$ 525.00
0141028 500116	CPL CONTRACT PAYMENTS	\$ 2,600.00	\$ 3,775.00	\$ 5,500.00	\$ 1,725.00
<b>TOTAL</b>	<b>CORPORALS</b>	<b>\$ 315,352.77</b>	<b>\$ 317,119.71</b>	<b>\$ 550,978.16</b>	<b>\$ 233,858.45</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
141030 PATROLMEN & DETECTIVES					
0141030 500100	PATROLMEN F/T	\$ 1,618,999.02	\$ 1,461,673.90	\$ 2,508,200.00	\$ 1,046,526.10
0141030 500110	PATROL OVERTIME	\$ 46,371.91	\$ 34,107.36	\$ 77,500.00	\$ 43,392.64
0141030 500111	PTRL SPECIAL DUTY	\$ 33,591.80	\$ 22,156.10	\$ 41,500.00	\$ 19,343.90
0141030 500112	PATROLMEN LONGEVITY	\$ 25,857.52	\$ 23,208.64	\$ 49,900.00	\$ 26,691.36
0141030 500113	PATROLMEN HOLIDAY	\$ 74,959.28	\$ 52,089.84	\$ 104,600.00	\$ 52,510.16
0141030 500114	PATROLMEN EDUCATION BONUS	\$ 5,900.00	\$ 4,850.00	\$ 9,000.00	\$ 4,150.00
0141030 500116	ACTIVITY CONTRACT PAYMENTS	\$ 23,475.00	\$ 22,200.00	\$ 33,690.00	\$ 11,490.00
<b>TOTAL</b>	<b>PATROLMEN &amp; DETECTIVES</b>	<b>\$ 1,829,154.53</b>	<b>\$ 1,620,285.84</b>	<b>\$ 2,824,390.00</b>	<b>\$ 1,204,104.16</b>

141034 CROSS GUARD( PT)					
0141034 500115	CROSSING GUARD P/T	\$ 16,390.88	\$ (1,869.66)	\$ 29,000.00	\$ 30,869.66
<b>TOTAL</b>	<b>CROSS GUARD( PT)</b>	<b>\$ 16,390.88</b>	<b>\$ (1,869.66)</b>	<b>\$ 29,000.00</b>	<b>\$ 30,869.66</b>

141036 DISPATCHER					
0141036 500100	DISPATCHERS F/T	\$ 136,590.49	\$ 105,656.05	\$ 219,240.60	\$ 113,584.55
0141036 500110	DISPATCHER OVERTIME	\$ 6,693.81	\$ 1,587.55	\$ 12,000.00	\$ 10,412.45
0141036 500113	DISPATCHER HOLIDAY	\$ 9,111.52	\$ 2,445.52	\$ 9,600.00	\$ 7,154.48
0141036 500115	DISPATCHER P/T	\$ 18,732.97	\$ 9,800.38	\$ 46,700.00	\$ 36,899.62
<b>TOTAL</b>	<b>DISPATCHER</b>	<b>\$ 171,128.79</b>	<b>\$ 119,489.50</b>	<b>\$ 287,540.60</b>	<b>\$ 168,051.10</b>

141038 CLERICAL					
0141038 500100	POLICE CLERICAL F/T	\$ 39,147.56	\$ 53,629.11	\$ 55,167.00	\$ 1,537.89
0141038 500110	POLICE CLERICAL OVERTIME	\$ 5,331.44	\$ 2,868.42	\$ 5,000.00	\$ 2,131.58
0141038 500111	POLICE CLEREICAL BONUS	\$ -	\$ 163.91	\$ -	
0141038 500115	SALARIES P/T CLER	\$ 31,954.68	\$ 23,520.91	\$ 51,555.00	\$ 28,034.09
<b>TOTAL</b>	<b>CLERICAL</b>	<b>\$ 76,433.68</b>	<b>\$ 80,182.35</b>	<b>\$ 111,722.00</b>	<b>\$ 31,539.65</b>

WHITEMARSH TOWNSHIP  
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JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
141100 FIRE & EMERGENCY SERVICES					
0141100 500100	FIRE MARSHAL F/T	\$ 45,382.41	\$ 37,876.94	\$ 78,000.00	\$ 40,123.06
0141100 500191	UNIFORMS	\$ 162.00	\$ 5,158.55	\$ 1,500.00	\$ (3,658.55)
0141100 500210	MATERIALS & SUPPLIES	\$ 862.85	\$ 66.30	\$ 2,000.00	\$ 1,933.70
0141100 500215	BUSINESS EXPENSE	\$ 1,215.47	\$ 570.00	\$ 4,000.00	\$ 3,430.00
0141100 500218	COVID-19 EXPENDITURES	\$ -	\$ 503.85	\$ -	\$ (503.85)
0141100 500327	RADIOS	\$ 745.63	\$ 379.68	\$ 1,000.00	\$ 620.32
0141100 500331	GAS OIL LUBRICATION	\$ 999.23	\$ 449.21	\$ 2,500.00	\$ 2,050.79
0141100 500332	VOE - GENERAL	\$ 3,985.62	\$ 1,830.07	\$ 6,046.00	\$ 4,215.93
0141100 500374	MAIN & REPAIRS - MACH & EQUIP	\$ 9.00	\$ -	\$ -	
0141100 500500	CONTRIB TO FIRE CO	\$ 178,310.00	\$ 76,150.00	\$ 258,450.00	\$ 182,300.00
0141100 500501	CONTRIB TO FIRE CO - G/F ADD'L	\$ 295,616.37	\$ 240,597.76	\$ 562,104.00	\$ 321,506.24
0141100 500502	CONTRIB TO AMBULANCE OPERATING	\$ -	\$ 100,000.00	\$ 200,000.00	\$ 100,000.00
0141100 500752	EMERGENCY MANAGEMENT COSTS	\$ 2,435.40	\$ 7,139.76	\$ 10,000.00	\$ 2,860.24
0141100 500756	PAY PER CALL	\$ -	\$ 33,805.00	\$ 60,000.00	\$ 26,195.00
<b>TOTAL</b>	<b>FIRE &amp; EMERGENCY SERVICE</b>	<b>\$ 529,723.98</b>	<b>\$ 504,527.12</b>	<b>\$ 1,185,600.00</b>	<b>\$ 681,072.88</b>

141300 CODES & PROTECTIVE INSPECTION

0141300 500100	CODES F/T	\$ 146,473.49	\$ 153,715.95	\$ 266,442.00	\$ 112,726.05
0141300 500210	MATERIALS & SUPPLIES	\$ 1,171.45	\$ 453.76	\$ 2,700.00	\$ 2,246.24
0141300 500215	BUSINESS EXPENSE	\$ 2,955.11	\$ 403.40	\$ 9,600.00	\$ 9,196.60
0141300 500327	CELLPHONES	\$ 1,491.26	\$ 601.89	\$ 2,820.00	\$ 2,218.11
0141300 500331	GAS OIL LUBRICATION	\$ 999.23	\$ 449.21	\$ 2,500.00	\$ 2,050.79
0141300 500332	VOE - GENERAL	\$ 3,985.62	\$ 1,830.07	\$ 6,046.00	\$ 4,215.93
0141300 500342	PRINTING	\$ -	\$ 815.00	\$ 1,000.00	\$ 185.00
0141300 500374	MAIN REPAIRS - MACH & EQUIP	\$ 1,732.98	\$ 2,716.76	\$ 4,080.00	\$ 1,363.24
0141300 500450	CONTRACTED SERVICES	\$ 18,409.00	\$ 16,095.47	\$ 29,500.00	\$ 13,404.53
0141300 500451	CONTRACTED INSPECTION SERVICE	\$ -	\$ 3,638.96	\$ -	\$ (3,638.96)
0141300 500451 00351	CONTRACTED INSPECTION SERVICE	\$ -	\$ 42.50	\$ -	\$ (42.50)
0141300 500451 8450	CONTRACTED INSPECTION SERVICE	\$ 25,249.23	\$ 7,840.65	\$ 20,000.00	\$ 12,159.35
<b>TOTAL</b>	<b>CODES &amp; PROTECTIVE INSPE</b>	<b>\$ 202,467.37</b>	<b>\$ 188,603.62</b>	<b>\$ 344,688.00</b>	<b>\$ 156,084.38</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
141400 PLANNING & ZONING					
0141400 500100	PLANNING & ZONING F/T	\$ 107,349.54	\$ 99,739.80	\$ 172,883.00	\$ 73,143.20
0141400 500115	PLANNING & ZONING PART TIME	\$ 6,250.00	\$ 5,750.00	\$ 19,000.00	\$ 13,250.00
0141400 500210	MATERIALS & SUPPLIES	\$ 153.48	\$ 105.64	\$ 200.00	\$ 94.36
0141400 500215	BUSINESS EXPENSE	\$ 110.00	\$ -	\$ 3,875.00	\$ -
0141400 500314	LEGAL	\$ 58,011.75	\$ 40,136.50	\$ 77,200.00	\$ 37,063.50
0141400 500321	TELEPHONE	\$ 370.59	\$ 339.53	\$ 700.00	\$ 360.47
0141400 500325	POSTAGE	\$ 919.25	\$ 678.80	\$ 2,750.00	\$ 2,071.20
0141400 500341	ADVERTISING	\$ 5,098.14	\$ 7,059.28	\$ 15,000.00	\$ 7,940.72
0141400 500342	PRINTING	\$ -	\$ -	\$ 150.00	\$ -
0141400 500374	MAIN REPAIRS - MACH & EQUIP	\$ 1,001.53	\$ 541.80	\$ 1,000.00	\$ 458.20
0141400 500420	SUBSCRIPT PERIODICALS	\$ -	\$ 95.00	\$ 825.00	\$ 730.00
<b>TOTAL</b>	<b>PLANNING &amp; ZONING</b>	<b>\$ 179,264.28</b>	<b>\$ 154,446.35</b>	<b>\$ 293,583.00</b>	<b>\$ 139,136.65</b>

142800 SOLID WASTE COLLECTION & DSPSL					
0142800 500450	CONTRACTED SERVICES	\$ 544,208.00	\$ 1,373,840.00	\$ 956,468.00	\$ (417,372.00)
0142800 500452	TRASH DISPOSAL	\$ 317,063.13	\$ 154,838.01	\$ 448,082.00	\$ 293,243.99
<b>TOTAL</b>	<b>SOLID WASTE COLLECTION &amp;</b>	<b>\$ 861,271.13</b>	<b>\$ 1,528,678.01</b>	<b>\$ 1,404,550.00</b>	<b>\$ (124,128.01)</b>

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JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
143000 HIGHWAY GENERAL					
0143000 500100	HIGHWAY ADMIN F/T	\$ 60,475.89	\$ 101,905.25	\$ 120,000.00	\$ 18,094.75
0143000 500210	MATERIALS & SUPPLIES	\$ 16,597.65	\$ 7,190.81	\$ 18,000.00	\$ 10,809.19
0143000 500215	BUSINESS EXPENSE	\$ 6,536.40	\$ 8,887.13	\$ 6,580.00	\$ (2,307.13)
0143000 500218	COVID-19 EXPENDITURES	\$ -	\$ 2,376.99	\$ -	\$ (2,376.99)
0143000 500233	SAFETY SUPPLIES	\$ 1,477.65	\$ 2,397.70	\$ 6,000.00	\$ 3,602.30
0143000 500260	TOOLS	\$ 4,308.06	\$ 4,791.19	\$ 6,000.00	\$ 1,208.81
0143000 500321	TELEPHONE	\$ 5,595.21	\$ 6,024.01	\$ 8,580.00	\$ 2,555.99
0143000 500331	GAS OIL LUBRICATION	\$ 30,581.52	\$ 23,270.36	\$ 93,200.00	\$ 69,929.64
0143000 500332	VOE - GENERAL	\$ 144,876.89	\$ 60,573.58	\$ 200,115.00	\$ 139,541.42
0143000 500361	ELECTRICITY	\$ 3,518.22	\$ 2,416.74	\$ 6,000.00	\$ 3,583.26
0143000 500362	NATURAL GAS	\$ 3,506.13	\$ 1,804.73	\$ 4,200.00	\$ 2,395.27
0143000 500373	MAIN & REPAIR BUILDING	\$ 6,807.82	\$ 3,130.24	\$ 15,000.00	\$ 11,869.76
0143000 500374	MAIN & REPAIR - MACH & EQUIP	\$ 618.77	\$ 108.60	\$ 6,000.00	\$ 5,891.40
0143000 500450	CONTRACTED MAINTENANCE	\$ 3,486.73	\$ 5,527.19	\$ 6,020.00	\$ 492.81
0143000 500742	CAPITAL OUTLAY - MACH & EQUIP	\$ 28,905.00	\$ -	\$ 60,000.00	\$ -
<b>TOTAL</b>	<b>HIGHWAY GENERAL</b>	<b>\$ 317,291.94</b>	<b>\$ 230,404.52</b>	<b>\$ 555,695.00</b>	<b>\$ 325,290.48</b>
143100 HIGHWAY STREET CLEANING					
0143100 500100	STREET CLEANING FT	\$ 20,462.48	\$ 25,931.23	\$ 90,000.00	\$ 64,068.77
0143100 500110	STREET CLEANING OVERTIME	\$ 772.20	\$ 1,713.60	\$ 6,500.00	\$ 4,786.40
0143100 500115	SALARIES PART TIME	\$ 3,765.44	\$ 1,650.48	\$ 10,000.00	\$ 8,349.52
0143100 500374	MAINT & REPAIR MACH & EQUIPMT	\$ 3,268.16	\$ 10,765.82	\$ 30,000.00	\$ 19,234.18
<b>TOTAL</b>	<b>HIGHWAY STREET CLEANING</b>	<b>\$ 28,268.28</b>	<b>\$ 40,061.13</b>	<b>\$ 136,500.00</b>	<b>\$ 96,438.87</b>
143200 HIGHWAY SNOW REMOVAL					
0143200 500100	SNOW REMOVAL F/T	\$ 30,791.51	\$ 8,562.62	\$ 67,000.00	\$ 58,437.38
0143200 500110	SNOW REMOVAL OVERTIME	\$ 25,979.18	\$ 1,070.60	\$ 51,500.00	\$ 50,429.40
0143200 500115	SNOW REMOVAL PART TIME	\$ -	\$ 4,404.00	\$ -	\$ (4,404.00)
0143200 500210	MATERIALS & SUPPLIES	\$ 49,905.88	\$ 17,937.20	\$ 80,000.00	\$ 62,062.80
0143200 500260	TOOLS	\$ 273.79	\$ 451.98	\$ 1,000.00	\$ 548.02
0143200 500374	MAIN & REPAIRS - MACH & EQUIP	\$ 4,701.74	\$ 4,583.88	\$ 17,000.00	\$ 12,416.12
<b>TOTAL</b>	<b>HIGHWAY SNOW REMOVAL</b>	<b>\$ 111,652.10</b>	<b>\$ 37,010.28</b>	<b>\$ 216,500.00</b>	<b>\$ 179,489.72</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
143300 HIGHWAY TRAFFIC SIGNS					
0143300 500100	HWY TRAFFIC SIGNS F/T	\$ 33,950.52	\$ 31,075.53	\$ 25,000.00	\$ (6,075.53)
0143300 500110	TRAFFIC SIGNS OVERTIME	\$ -	\$ -	\$ 500.00	\$ -
0143300 500210	MATERIALS & SUPPLIES	\$ 6,432.86	\$ 63,567.84	\$ 15,000.00	\$ (48,567.84)
0143300 500361	TRAFFIC SIGNAL ELECTRICITY	\$ 7,055.86	\$ 2,792.77	\$ 21,900.00	\$ 19,107.23
0143300 500376	TRAFFIC SIGNAL MAINTENANCE	\$ 41,315.67	\$ 17,038.74	\$ 40,000.00	\$ 22,961.26
<b>TOTAL</b>	<b>HIGHWAY TRAFFIC SIGNS</b>	<b>\$ 88,754.91</b>	<b>\$ 114,474.88</b>	<b>\$ 102,400.00</b>	<b>\$ (12,074.88)</b>

143600 HIGHWAY STORM SEWERS					
0143600 500100	DRAINS F/T	\$ 11,274.98	\$ 11,804.69	\$ 100,000.00	\$ 88,195.31
0143600 500110	DRAINS OVERTIME	\$ 795.28	\$ -	\$ 3,000.00	\$ -
0143600 500210	MATERIALS & SUPPLIES	\$ 3,841.40	\$ 8,773.60	\$ 40,000.00	\$ 31,226.40
0143600 500384	EQUIPMENT RENTAL	\$ -	\$ -	\$ 12,000.00	\$ -
0143600 500450	CONTRACTED SERVICES	\$ -	\$ 21,090.00	\$ 5,000.00	\$ (16,090.00)
<b>TOTAL</b>	<b>HIGHWAY STORM SEWERS</b>	<b>\$ 15,911.66</b>	<b>\$ 41,668.29</b>	<b>\$ 160,000.00</b>	<b>\$ 118,331.71</b>

143700 HIGHWAY PARKS & GROUNDS					
0143700 500100	GROUNDS MAINTENANCE F/T	\$ 96,869.75	\$ 84,319.30	\$ 170,000.00	\$ 85,680.70
0143700 500110	GROUNDS MAINTENANCE OVERTIME	\$ 5,124.20	\$ 4,038.95	\$ 5,000.00	\$ 961.05
0143700 500115	GROUNDS MAINTENANCE PART TIME	\$ 20,861.22	\$ 10,153.10	\$ 60,000.00	\$ 49,846.90
0143700 500210	MATERIALS & SUPPLIES	\$ 4,659.71	\$ 4,394.62	\$ 6,000.00	\$ 1,605.38
0143700 500260	TOOLS	\$ 1,371.23	\$ 575.98	\$ 5,000.00	\$ 4,424.02
0143700 500331	GAS OIL LUBRICATION	\$ 2,693.67	\$ 916.26	\$ 5,200.00	\$ 4,283.74
0143700 500332	VOE - GENERAL	\$ 3,861.36	\$ 1,641.81	\$ 5,424.00	\$ 3,782.19
0143700 500374	MAINT.& REPAIR MACHINERY & EQ	\$ 4,377.94	\$ 2,110.02	\$ 5,000.00	\$ 2,889.98
0143700 500450	CONTRACTED SERVICES	\$ 3,788.00	\$ 9,762.09	\$ 10,000.00	\$ 237.91
<b>TOTAL</b>	<b>HIGHWAY PARKS &amp; GROUNDS</b>	<b>\$ 143,607.08</b>	<b>\$ 117,912.13</b>	<b>\$ 271,624.00</b>	<b>\$ 153,711.87</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR: GENERAL FUND		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
143800 HIGHWAY MAINTENANCE & REPAIR					
0143800 500100	HIGHWAY MAINTENANCE F/T	\$ 180,616.95	\$ 265,312.71	\$ 400,000.00	\$ 134,687.29
0143800 500110	HIGHWAY MAINTENANCE O/T	\$ 6,763.43	\$ 3,748.34	\$ 10,000.00	\$ 6,251.66
0143800 500115	HWY MAINTENANCE P/T	\$ 3,011.09	\$ 20,707.10	\$ 2,500.00	\$ (18,207.10)
0143800 500210	MATERIALS & SUPPLIES	\$ 23,152.41	\$ 5,130.73	\$ 75,000.00	\$ 69,869.27
0143800 500260	TOOLS	\$ 3,790.44	\$ 226.43	\$ 8,000.00	\$ 7,773.57
0143800 500374	MAINT & REPAIRS - MACH & EQUIP	\$ 310.93	\$ 203.99	\$ 5,000.00	\$ 4,796.01
0143800 500384	EQUIPMENT RENTAL	\$ 118.50	\$ 65.46	\$ 7,000.00	\$ 6,934.54
<b>TOTAL</b>	<b>HIGHWAY MAINTENANCE &amp; RE</b>	<b>\$ 217,763.75</b>	<b>\$ 295,394.76</b>	<b>\$ 507,500.00</b>	<b>\$ 212,105.24</b>

143900 HIGHWAY CONSTRUCTION & REBLDNG					
0143900 500450	CONTRACTED SERVICES	\$ 780,014.06	\$ -	\$ 550,000.00	\$ -
<b>TOTAL</b>	<b>HIGHWAY CONSTRUCTION &amp; R</b>	<b>\$ 780,014.06</b>	<b>\$ -</b>	<b>\$ 550,000.00</b>	<b>\$ -</b>

145600 LIBRARY SUPPORT					
0145600 500351	BOILER INSURANCE	\$ 174.00	\$ 468.00	\$ 407.00	\$ (61.00)
0145600 500504	LIBRARY CONTRIBUTION	\$ 244,743.36	\$ 218,690.50	\$ 374,898.00	\$ 156,207.50
0145600 500505	LIBRARY CONTRIBUTION- ADD'L	\$ 255,808.64	\$ 232,359.19	\$ 398,330.00	\$ 165,970.81
<b>TOTAL</b>	<b>LIBRARY SUPPORT</b>	<b>\$ 500,726.00</b>	<b>\$ 451,517.69</b>	<b>\$ 773,635.00</b>	<b>\$ 322,117.31</b>

145800 PUBLIC EVENTS SPONSORSHIP					
0145800 500506	PUBLIC EVNT/PROJECT SPONSORSHIP	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>PUBLIC EVENTS SPONSORSHI</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR:  
GENERAL FUND

		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
146000 COMMUNICATIONS & PUBLIC RELTNS					
0146000 500100	WTV SALARY F/T	\$ 38,733.83	\$ 4,872.00	\$ 65,239.00	\$ 60,367.00
0146000 500115	SALARIES PART TIME	\$ -	\$ -	\$ 15,600.00	\$ -
0146000 500215	EXPEN EDUC	\$ 4,632.41	\$ 794.02	\$ 4,440.00	\$ 3,645.98
0146000 500344	MARKETING MEDIA RELATIONS	\$ 8,302.07	\$ 18,194.68	\$ 24,340.00	\$ 6,145.32
0146000 500450	CONTRACTED SERVICES	\$ 14,498.04	\$ 9,847.95	\$ 56,350.00	\$ 46,502.05
0146000 500742	CAPITAL OUTLAY	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>COMMUNICATIONS &amp; PUBLIC</b>	<b>\$ 66,166.35</b>	<b>\$ 33,708.65</b>	<b>\$ 165,969.00</b>	<b>\$ 132,260.35</b>
147100 DEBT SERVICE					
0147100 500401	DEBT SERVICE	\$ 294,068.21	\$ 140,603.50	\$ 955,944.00	\$ 815,340.50
0147100 500402	T.I.F. PAYMENT	\$ 70,734.00	\$ 70,734.00	\$ 71,000.00	\$ 266.00
<b>TOTAL</b>	<b>DEBT SERVICE</b>	<b>\$ 364,802.21</b>	<b>\$ 211,337.50</b>	<b>\$ 1,026,944.00</b>	<b>\$ 815,606.50</b>
148000 MISCELLANEOUS EXPENDITURES					
0148000 500530	CONTRIB - FIREMEN RELIEF	\$ -	\$ -	\$ 160,000.00	\$ -
<b>TOTAL</b>	<b>MISCELLANEOUS EXPENDITUR</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 160,000.00</b>	<b>\$ -</b>
148400 WORKERS COMPENSATION					
0148400 500354	WORKERS COMPENSATION	\$ 221,300.25	\$ 197,088.51	\$ 307,584.00	\$ 110,495.49
<b>TOTAL</b>	<b>WORKERS COMPENSATION</b>	<b>\$ 221,300.25</b>	<b>\$ 197,088.51</b>	<b>\$ 307,584.00</b>	<b>\$ 110,495.49</b>
148600 INSURANCE					
0148600 500352	FIRE AUTO PROPERTY INS	\$ 52,874.96	\$ 84,306.00	\$ 112,311.00	\$ 28,005.00
<b>TOTAL</b>	<b>INSURANCE</b>	<b>\$ 52,874.96</b>	<b>\$ 84,306.00</b>	<b>\$ 112,311.00</b>	<b>\$ 28,005.00</b>

WHITEMARSH TOWNSHIP  
HISTORICAL ACTUALS COMPARISON REPORT  
JUNE 30, 2020

ACCOUNTS FOR: GENERAL FUND		JUNE 30, 2019 ACTUALS	JUNE 30, 2020 ACTUALS	2020 BUDGET	2020 VARIANCE
148700 EMPLOYEE BENEFITS					
0148700 500153	L T D INSURANCE	\$ 10,962.28	\$ 10,461.03	\$ 17,700.00	\$ 7,238.97
0148700 500156	HEALTH & ACCIDENT INSURANCE	\$ 1,386,660.49	\$ 1,232,848.61	\$ 2,300,000.00	\$ 1,067,151.39
0148700 500157	SHORT TERM DISABILITY & MISC	\$ 2,260.80	\$ 3,567.89	\$ 4,500.00	\$ 932.11
0148700 500158	LIFE INSURANCE	\$ 24,074.34	\$ 8,964.31	\$ 19,260.00	\$ 10,295.69
0148700 500160	RETIREMENT	\$ 126,843.15	\$ 193,680.82	\$ 1,287,631.00	\$ 1,093,950.18
0148700 500161	F I C A	\$ 186,112.90	\$ 163,896.06	\$ 305,892.00	\$ 141,995.94
0148700 500162	UNEMPLOYMENT COMPENSATION	\$ 2,185.13	\$ 8,064.90	\$ 5,750.00	\$ (2,314.90)
<b>TOTAL</b>	<b>EMPLOYEE BENEFITS</b>	<b>\$ 1,739,099.09</b>	<b>\$ 1,621,483.62</b>	<b>\$ 3,940,733.00</b>	<b>\$ 2,319,249.38</b>
149200 INTERFUND TRANSFERS OUT					
0149200 500016	TO CAPITAL FUND - DEBT SERVICE	\$ -	\$ -	\$ -	
0149200 500030	TO LIGHT & HYDRANT FUND	\$ -	\$ -	\$ 16,500.00	\$ -
0149200 500060	TO CAPITAL RESERVE FUND	\$ -	\$ -	\$ 502,627.00	
0149200 500090	TO PARK & RECREATION	\$ -	\$ -	\$ 123,805.00	\$ -
0149200 500092	TO OPEN SPACE RESERVE	\$ -	\$ -	\$ 2,175,000.00	\$ -
0149200 500094	EQUIPMENT RESERVE FUND	\$ -	\$ -	\$ -	
<b>TOTAL</b>	<b>INTERFUND TRANSFERS OUT</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,817,932.00</b>	<b>\$ -</b>
TOTAL REVENUE AND TRANSFERS IN		\$ (19,877,117.57)	\$ (11,355,672.96)	\$ (23,366,780.00)	\$ (12,011,107.04)
TOTAL EXPENDITURES AND TRANSFERS OUT		\$ 11,504,884.24	\$ 10,059,867.72	\$ 23,366,779.33	\$ 13,306,911.61
<b>EXCESS REVENUE (UNDER) EXPENDITURES</b>		<b>\$ (8,372,233.33)</b>	<b>\$ (1,295,805.24)</b>	<b>\$ (0.67)</b>	<b>\$ 1,295,804.57</b>

**WHITEMARSH TOWNSHIP  
QUARTERLY REPORTS  
FOR THE QUARTER ENDED  
JUNE 30, 2020**

**OPEN SPACE FUND**

The following is an overview of this section with highlights of some of the key numbers.

The first page is the Cumulative Cash Flow (since inception) for the Open Space Fund. There are no changes to this report since it provides a detailed summary of revenues and distributions by year from the inception of the Open Space Fund in 2006 to the present.

Pages two through four provide the data given in the first document in graphical format.

The fifth page provides Supplemental information for the Open Space Fund's share of the 2018 General Obligation Bond Debt Service & Maintenance Reserve. Please note, the Township has not increased the Maintenance Reserve Balance since the close of 2016. Considering this fact, the Finance Department recommended the transfer of a quarter percent (25%), the maximum, be transferred at year-end to maintain sufficient funds for future purchases and inflation in maintenance cost for current Open Space property held.

**OPEN SPACE FUND - CUMULATIVE CASH FLOW - FROM INCEPTION TO JUNE 30, 2020**

	YTD													
	TOTAL	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008 - 2006
<b>REVENUE SOURCE:</b>														
OPEN SPACE EIT	\$22,344,490		\$2,214,812	\$2,046,204	\$2,084,280	\$1,938,834	\$1,863,831	\$1,888,631	\$1,998,360	\$1,610,034	\$1,428,018	\$1,402,594	\$1,641,849	\$2,227,044
LOAN PROCEEDS	\$12,707,592			\$2,273,370		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,534,222	\$1,900,000
FEDERAL/STATE GRANTS (DCNR)	\$2,696,752					\$0	\$40,350	\$789,827	\$716,575	\$0	\$0	\$0	\$0	\$1,150,000
TRANSFER FROM GENERAL FUND	\$250,000					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000
TRANSFER FROM CAPITAL FUND	\$515,988					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$515,988
INTEREST EARNED	\$524,658	\$35,891	\$119,814	\$112,546	\$61,408	\$24,423	\$3,413	\$2,112	\$2,456	\$995	\$2,861	\$8,523	\$23,095	\$127,120
<b>TOTAL REVENUE (SEE GRAPH)</b>	<b>\$39,039,480</b>	<b>\$35,891</b>	<b>\$2,334,626</b>	<b>\$4,432,120</b>	<b>\$2,145,689</b>	<b>\$1,963,257</b>	<b>\$1,907,594</b>	<b>\$2,680,570</b>	<b>\$2,717,391</b>	<b>\$1,611,029</b>	<b>\$1,430,879</b>	<b>\$1,411,117</b>	<b>\$10,199,166</b>	<b>\$6,170,151</b>
<b>EXPENDITURES:</b>														
PROFESSIONAL FEES	\$138,534	\$24,936	\$10,576			\$7,700	\$3,413	\$0	\$8,000	\$0	\$10,000	\$26,499	\$17,686	\$29,724
GRANT EXPENDITURES	\$72,252					\$0	\$36,264	\$12,379	\$23,609	\$0	\$0	\$0	\$0	\$0
GAMBONE TRACT- MAINTENANCE	\$112,968	\$15,571	\$24,863	\$21,669	\$26,578	\$14,081	\$10,205	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DEBT SERVICE	\$11,938,459		\$205,573	\$6,613,326	\$650,732	\$623,458	\$599,537	\$591,807	\$594,402	\$601,221	\$601,332	\$314,472	\$305,734	\$236,865
PURCHASED REAL ESTATE	\$16,784,562					\$2,009,675		\$769,016	\$841,208	\$588,153	\$1,819,231		\$7,881,365	\$2,875,914
OPEN SPACE EIT COLLECTION FEES	\$313,735	\$13,848	\$26,276	\$23,691	\$25,618	\$24,727	\$20,913	\$26,448	\$24,302	\$20,989	\$22,260	\$26,973	\$32,405	\$25,285
DEBT ISSUANCE COST	\$82,238	\$39,722				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$34,741	\$7,775
TRANSFER TO GENERAL FUND	\$765,000					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$765,000	\$0
<b>TOTAL EXPENDITURES (SEE GRAPH)</b>	<b>\$30,207,747</b>	<b>\$94,076</b>	<b>\$267,288</b>	<b>\$6,658,686</b>	<b>\$702,929</b>	<b>\$2,679,641</b>	<b>\$670,332</b>	<b>\$1,399,650</b>	<b>\$1,491,521</b>	<b>\$1,210,363</b>	<b>\$2,452,823</b>	<b>\$1,132,944</b>	<b>\$8,271,931</b>	<b>\$3,175,563</b>
<b>OPEN SPACE FUND BALANCE</b>	<b>\$8,831,733</b>	<b>-\$58,185</b>	<b>\$2,067,338</b>	<b>-\$2,226,566</b>	<b>\$1,442,760</b>	<b>-\$716,384</b>	<b>\$1,237,262</b>	<b>\$1,280,920</b>	<b>\$1,225,869</b>	<b>\$400,666</b>	<b>-\$1,021,944</b>	<b>\$278,173</b>	<b>\$1,927,235</b>	<b>\$2,994,589</b>
<b>OPEN SPACE FUND BALANCES COMPRISED OF</b>														
MAINTENANCE RESERVE	\$1,809,446													
RESTRICTED FOR OPEN SPACE	\$7,022,287													
<b>TOTAL OPEN SPACE FUND BALANCES</b>	<b>\$8,831,733</b>													
<b>CASH AND INVESTMENTS BY DEPOSITORY</b>														
TD BANK	\$1,986,035													
PA LOCAL GOVERNMENT INVESTMENT TRUST	\$6,845,698													
<b>TOTAL OPEN SPACE FUNDS</b>	<b>\$8,831,733</b>													

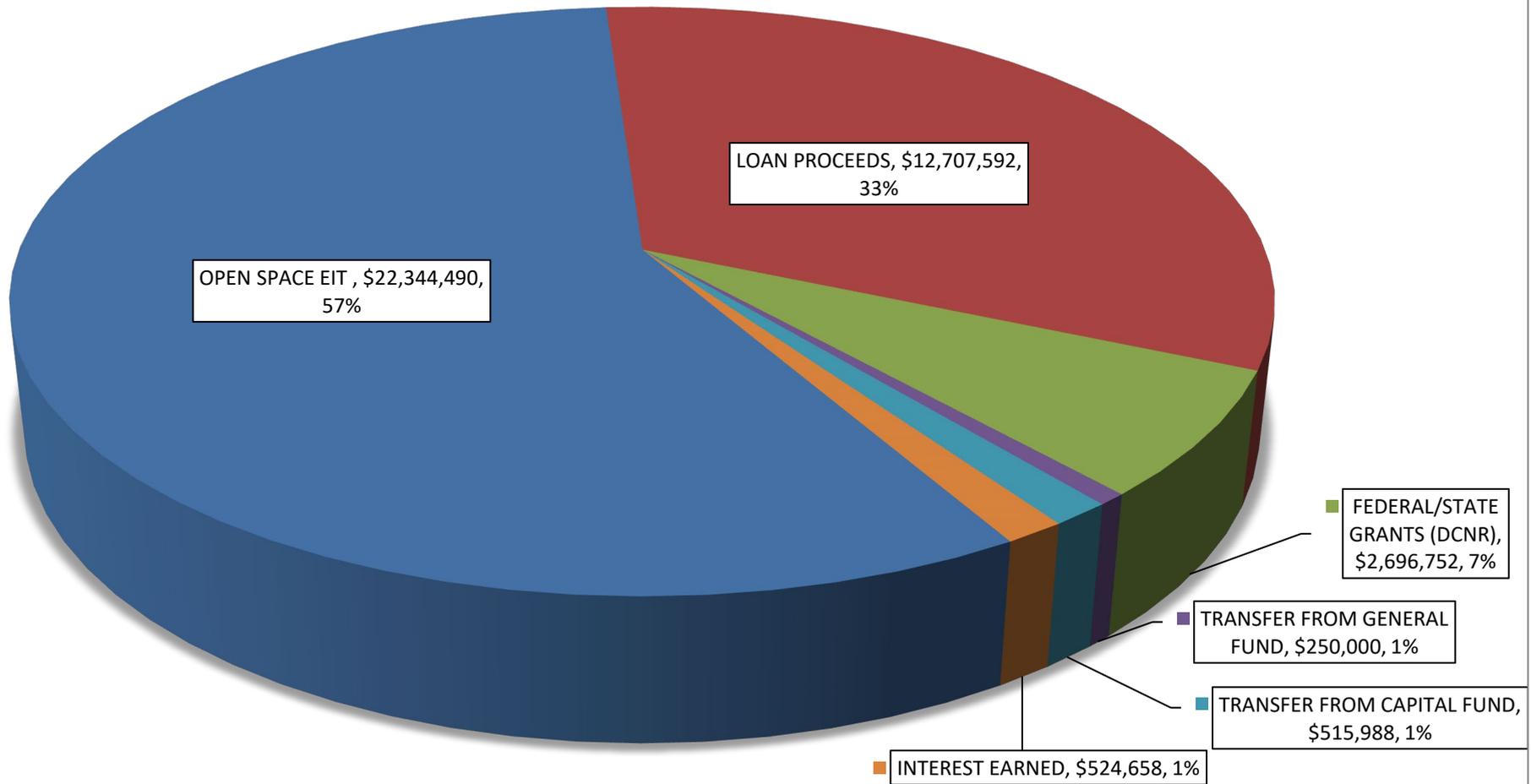
(SEE DETAIL ON NEXT PAGE)

# OPEN SPACE FUND SOURCE OF REVENUE

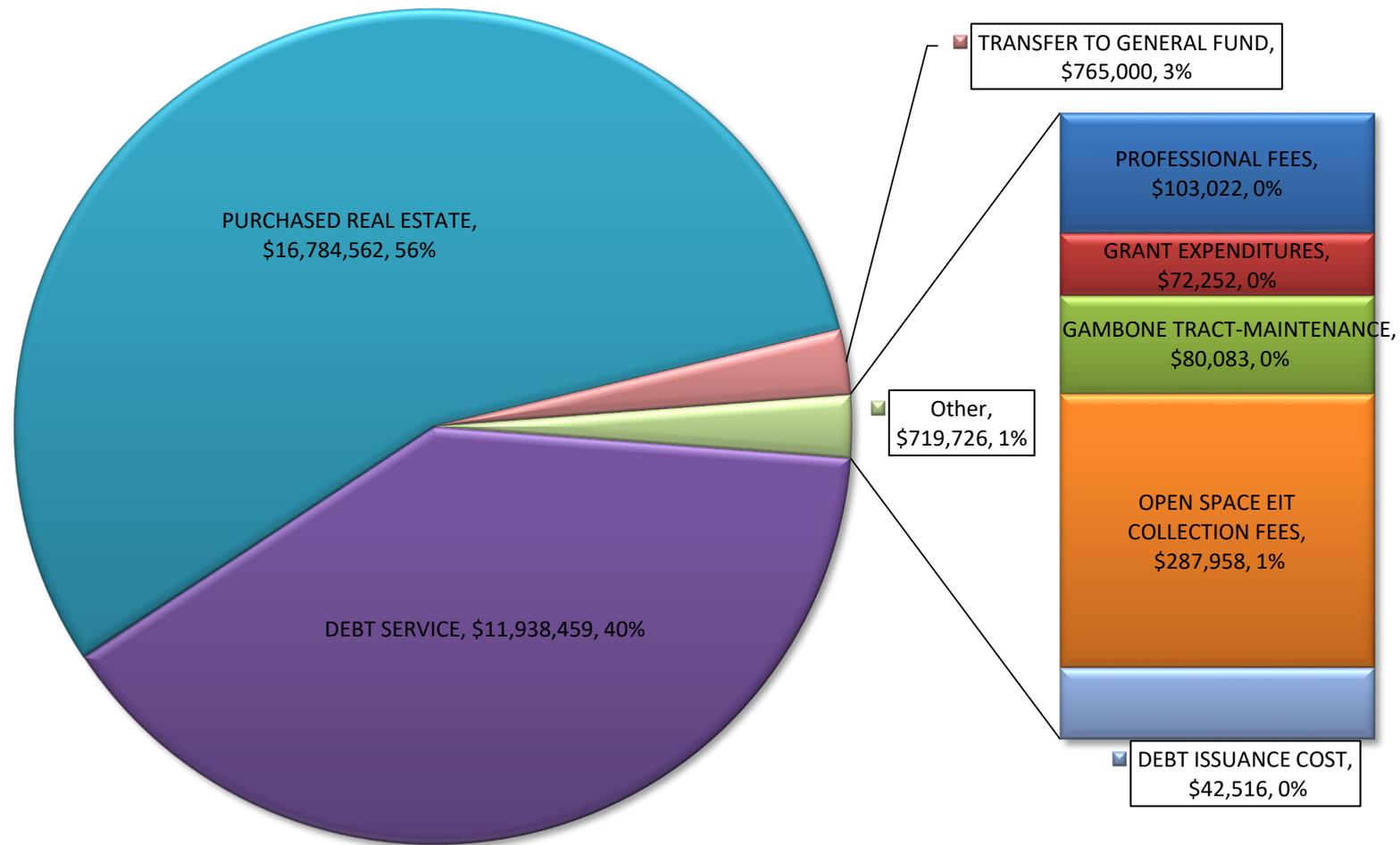
2006 - 2020

TOTAL REVENUE \$39,039,480

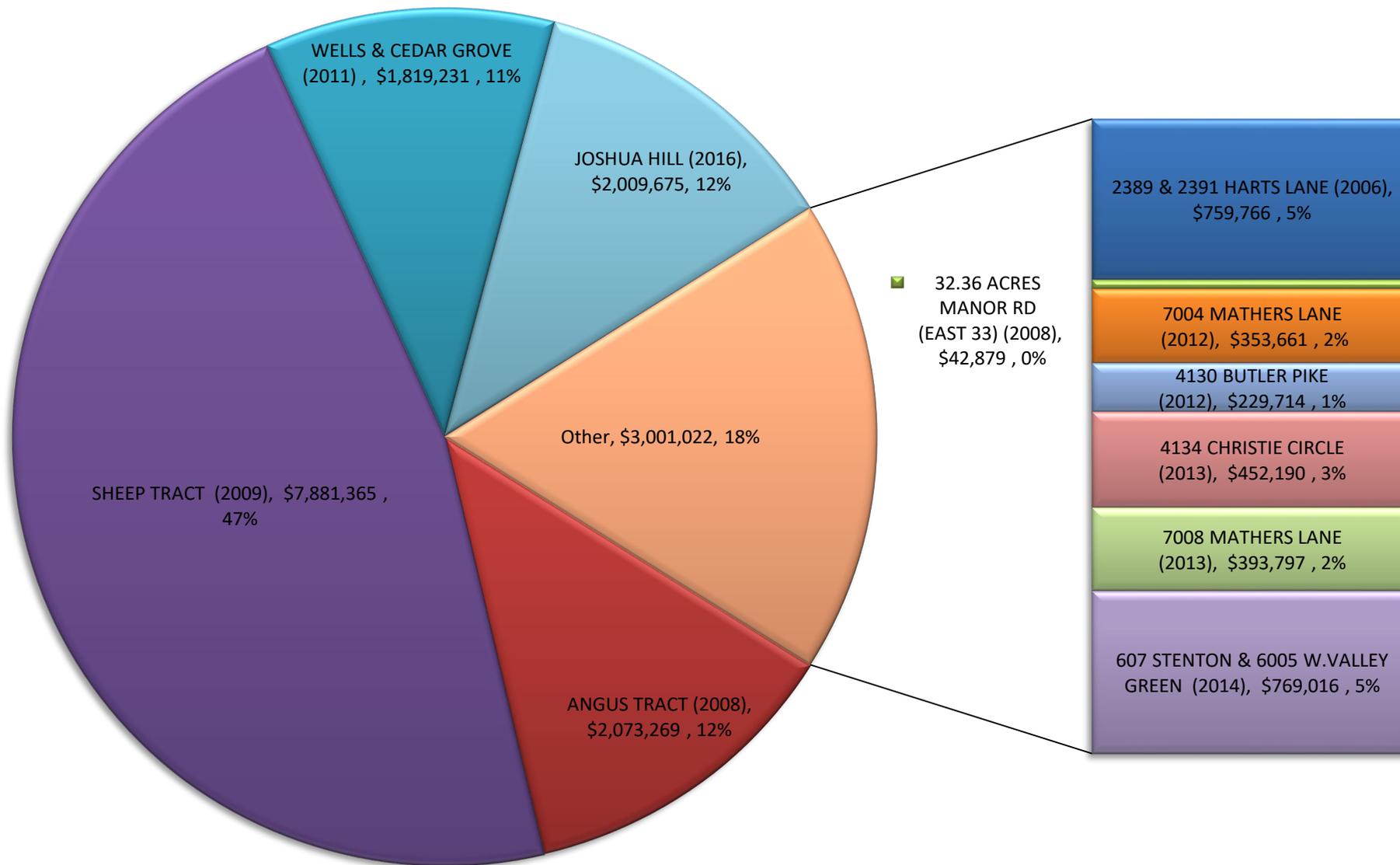
(SINCE INCEPTION)



**OPEN SPACE FUND SOURCE OF EXPENDITURES  
2006 - 2020  
TOTAL EXPENDITURES \$30,207,747  
(SINCE INCEPTION)**



**OPEN SPACE FUND REAL ESTATE PURCHASE  
2006 - 2020  
\$16,784,562  
(SINCE INCEPTION)**



**OPEN SPACE FUND - SUPPLEMENTAL INFORMATION FROM INCEPTION TO JUNE 30, 2020**

**OPEN SPACE DEBT SERVICE**

<b>OPEN SPACE DEBT OUTSTANDING PRINCIPAL AS OF 6-30-2020</b>	<u>\$2,098,200</u>
<b>COMPRISED OF:</b>	
<b>GENERAL OBLIGATION BOND SERIES OF 2018</b>	<u>\$2,098,200</u>
<b>TOTAL OUTSTANDING PRINCIPAL AS OF 6-30-2020</b>	<u>\$2,098,200</u>

**NOTE:**

THE REPAYMENT OF THE 2009 SHEEP TRACT LOAN PORTION OF THE 2018 GOB WILL BE SATISFIED 61% FROM THE GENERAL FUND & 39% FROM THE OPEN SPACE FUND. THE TOWNSHIP CAN EXERCISE AN OPTIONAL REDEMPTION DATE OF NOVEMBER 15, 2023, IF DESIRED.  
(SEE THE ATTACHED PAYMENT SCHEDULE FOR ESTIMATED PAYMENT AMOUNTS AND PAYOFF DATE)

**MAINTENANCE RESERVE**

<b>MAINTENANCE RESERVE BALANCE AS OF JUNE 30, 2020</b>		<u>\$1,809,446</u>
<b>ACT 153 - MAINTENANCE RESERVE COMPRISED OF</b>	<b>COLLECTIONS</b>	<b>%</b>
2013 OPEN SPACE EARNED INCOME TAX	\$1,998,360	X 25%
2014 OPEN SPACE EARNED INCOME TAX	\$1,888,631	X 25%
2015 OPEN SPACE EARNED INCOME TAX	\$1,863,831	X 25%
2016 OPEN SPACE EARNED INCOME TAX	\$1,938,834	X 25%
<b>SUB-TOTAL - MAINTENANCE RESERVE</b>		<u>\$1,922,414</u>
<b>LESS: EXPENDITURES APPLIED TO RESERVE</b>		
2015 - GAMBONE TRACT EXPENDITURES		(\$10,205)
2016 - GAMBONE TRACT EXPENDITURES		(\$14,081)
2017 - GAMBONE TRACT EXPENDITURES		(\$26,578)
2018 - GAMBONE TRACT EXPENDITURES		(\$21,669)
2019 - GAMBONE TRACT EXPENDITURES		(\$24,863)
2020 - GAMBONE TRACT EXPENDITURES		(\$15,571)
<b>SUB-TOTAL EXPENDITURES APPLIED TO MAINTENANCE RESERVE</b>		<u>(\$112,968)</u>
<b>MAINTENANCE RESERVE BALANCE AS OF JUNE 30, 2020</b>		<u>\$1,809,446</u>

**EXPLANATION OF MAINTENANCE RESERVE:**

STARTING IN 2013, THE TOWNSHIP ESTABLISHED A MAINTENANCE RESERVE PER ACT 2013-115 BY ANNUALLY SETTING ASIDE 25% OF THE OPEN SPACE EARNED INCOME TAX COLLECTED TO MAINTAIN ACQUIRED OPEN SPACE. THE RESERVE WAS INCREASED IN 2016 BY \$484,709 REPRESENTING 25% OF THE \$1,938,834 OPEN SPACE EARNED INCOME TAX COLLECTED FROM WHITEMARSH TOWNSHIP RESIDENTS IN 2016. TOWNSHIP RESIDENTS PAY AN ADDITIONAL .25% EARNED INCOME TAX THAT IS DESIGNATED FOR OPEN SPACE PRESERVATION.

**WHITEMARSH TOWNSHIP  
QUARTERLY REPORTS  
FOR THE QUARTER ENDED  
JUNE 30, 2020**

**COMBINED STATEMENT OF RESERVE FUNDS**

The Combined Statement of Reserves provides a Detail by Funds of restricted amounts set aside for specific purposes, including contingencies or designated projects.

**General Fund Reserves** of \$5,809,978 includes a Budgetary Reserve of \$3,206,624 the Township may use to balance a future budget shortfall. Through conservative budgeting of revenue and expenditures and favorable operating results, the Township has not had to use the General Fund Reserves. General Fund has additional reserves to cover potential increases in insurance costs (\$680,263), Business Tax Refunds (\$1,788,090) and Trash Disposal costs (\$135,000). These reserves are set aside to mitigate the adverse impact of cost increases or the realization of Business Tax Revenues resulting from appeals or litigation. (Please note, amounts shown above for both the Budgetary Reserve and the Insurance Cost Reserve is a combination of Investment Account Balances as well as Certificate of Deposit Purchases. Also, prior year interest returns were transferred to both PLIGT & PA Invest to capitalize on current interest market activity. Refer to the Certificate of Deposit Schedule to follow for further detail about Certificate of Deposit holdings.)

**Capital Reserve Fund** has a total fund balance of \$7,537,363. A separate Sinking Fund Account (\$2,828,786) represents unexpended Loan proceeds plus interest earned on the \$6,000,000 TD Bank Loan of 2014. Funds are drawn down from the Sinking Fund account for budgeted capital project expenditures. The Capital Reserve Fund also includes a reserve for Fire Company Equipment and Apparatus (\$175,712) established in 2016 as part of the changes to Emergency Services in the Township. Also, the Township maintains an account, required by the State, for DCNR Grant Money (\$105,463). Lastly, Proceeds from the GO Bond Series 2018 (\$4,427,402) are housed in the PLGIT – ARM account for the intersections capital project. (Please note, \$183,703 was distributed to the Volunteer Companies and reflects in the balance above. Refer to the Fire Company Capital Reserve Schedule for further detail. )

**Open Space Fund** has a total fund balance of \$8,831,733. See Open Space Fund Section of the Quarterly Report.

**Liquid Fuels Fund:** The Township ended the Quarter with \$1,101,798 in the Liquid Fuels Fund. The Liquid Fuels Fund is budgeted to transfer \$530,000 to the General Fund, to offset incurred expenses of the 2020 Road Program. This transfer continues the Township's practice of maintaining a reserve balance in the Liquid Fuels Fund and utilizing said reserve to enable the Township to reduce the financial burden for the General Fund.

**Light & Hydrant Fund:** The current balance on hand (\$319,338) will provide sufficient funding for the Township to fund the Costs of Street Lighting improvements.

**Other Reserve Funds include:**

**Traffic Improvement Fund \$77,369:** Derived from contributions received net of inter-fund transfers to the General Fund in prior years and investment interest accruals throughout the year.

**Capital Equipment Reserve Fund \$239,509:** Funding from unexpended Public Works' Capital Equipment Replacement Fund Budget to be used for large capital equipment purchases to reduce the burden on the General Fund in future years.

**Impact Fee Reserve Fund \$895,305:** Restricted for improvements related to the impact of development regarding traffic, parks, and stormwater.

**Unemployment Comp Reserve Fund \$36,686:** Since the Township is self-insured for unemployment claims, funds are set aside to defray future claims costs paid out of the General Fund.

**Insurance Reserve Fund \$13,597:** Budgetary Reserve the Township may use to source fund Parks & Recreation associated Insurance Premium, which exceeds budgeted estimates. This funding source will alleviate unanticipated burdens on the General Fund by avoiding additional fund transfers.

**COMBINED SCHEDULE OF RESERVE FUNDS**  
*As of June 30, 2020*

**GENERAL FUND (01)**

Budgetary Reserve Fund	Reserve for Budgetary Needs	\$ 2,200,516
- Certificard Deposit	Reserve for Budgetary Needs	\$ 1,006,108
Business Tax Refund Reserve	Reserve for Tax Refunds	\$ 1,788,090
Insurance Rate Stabilization Reserve	Reserve for Insurance Cost Increase	\$ 157,289
- Certificard Deposit	Reserve for Insurance Cost Increase	\$ 522,974
Trash Collection	Reserve for Removal and Disposal Costs	\$ 135,000
<b>TOTAL GENERAL FUND RESERVES</b>		<b><u>\$ 5,809,978</u></b>

**CAPITAL RESERVE FUND (06)**

Sinking Fund Account	Unexpended Loan Proceeds from 2014 TD Bank Loan	\$ 2,828,786
Fire Company Capital Reserve	Reserved for Fire Company Equipment and Apparatus	\$ 175,712
Balance from Township Interfund Transfers	Capital items not acquired by Commonwealth for Grant	\$ -
DCNR Keystone Rec Grant	Separate account required by Commonwealth for Grant	\$ 105,463
PLGIT - ARM	Reserved for Capital Expenditures	\$ 4,427,402
<b>TOTAL CAPITAL RESERVE FUND</b>		<b><u>\$ 7,537,363</u></b>

**TRAFFIC IMPROVEMENT FUND (14)**

Contributions

Ace Golf Course	Unrestricted	\$ 22,500
ECRI	Unrestricted	\$ 89,500
Plymouth Crossing	Unrestricted	\$ 37,500
Reserve (Andorra Springs)	Unrestricted	\$ 59,500
River Park	Unrestricted	\$ 135,000
Realen/Militia Hill	Unrestricted	\$ 92,500
Quaker Park	Unrestricted	\$ 45,000
Philadelphia Cricket C.C.	Unrestricted	\$ 3,000
Green Valley C.C.	Unrestricted	\$ 3,000
Hilton Gardens	Unrestricted	\$ 25,000
The Hill @ Whitemarsh	Unrestricted	\$ 88,000
General	Unrestricted	\$ 17,869
	<b>SUB TOTAL</b>	<b><u>\$ 618,369</u></b>

Less, 2012 Budgeted Revenue Transfer to General Fund	\$ (300,000)
Less, 2014 Budgeted Revenue Transfer to General Fund	\$ (80,000)
Less, 2015 Budgeted Revenue Transfer to Capital Fund	\$ (161,000)
<b>SUB TOTAL</b>	<b><u>\$ (541,000)</u></b>

**BALANCE - TRAFFIC IMPROVEMENT FUND** **\$ 77,369**

**LIQUID FUELS FUND (02)**

Restricted by Commonwealth of Pennsylvania Mandated Special Revenue Fund	<b><u>\$ 1,101,798</u></b>
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**LIGHT & HYDRANT FUND (03)**

Special Assessments to cover treet Lighting and Hydrant costs and capital improvements	<b><u>\$ 319,338</u></b>
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**EQUIPMENT RESERVE FUND (11)**

Restricted for Major Equipment Purchases - Funding from Unexpended Public Works Capital Replacement Expenditures	<b><u>\$ 239,509</u></b>
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**COMBINED SCHEDULE OF RESERVE FUNDS**  
*As of June 30, 2020*

**OPEN SPACE RESERVE FUND (17)**

FUND BALANCE - DESIGNATED	Restricted to Open Space acquisition	\$ 7,022,287
FUND BALANCE - MAINTENANCE RESERVE	Act 115 Maintenance Reserve	\$ 1,809,446
<b>TOTAL OPEN SPACE RESERVE FUND</b>		<b><u>\$ 8,831,733</u></b>

**IMPACT FEES RESERVE FUND (14,18)**

Traffic Impact Fees (Fund 14)	Restricted	\$ 62,937
Parks Impact Fees (Fund 18)	Restricted to Parks Projects	\$ 45,145
Stormwater Impact Fees (Fund 18)	Unrestricted	\$ 11,919
Fees in Lieu of Sidewalks, Trees, etc (Fund 18)	Unrestricted	\$ 775,304
- Certificard Deposit	Unrestricted	\$ -
<b>TOTAL IMPACT FEE RESERVE FUND</b>		<b><u>\$ 895,305</u></b>

**UNEMPLOYMENT COMP RESERVE (13)**

<b>FUND BALANCE</b>	Restricted to fund unemployment costs since Township is self insured.	<b><u>\$ 36,686</u></b>
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**INSURANCE RESERVE FUND (09)**

<b>FUND BLANCE</b>	Reserve for insurance cost increases	<b><u>\$ 13,597</u></b>
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<b>TOTAL RESERVE FUNDS As of June 30, 2020</b>		<b><u>\$ 24,862,676</u></b>
--	--	-----------------------------

Reserve Funds	Current Invested Funds	Total Interested Earned Since Inception	Funds Transfer-Out	Current Balance Held
<b><u>Budgetary Reserve (01)</u></b>	\$ 996,000	\$ 68,281.71	\$ (58,174.03)	\$ 1,006,107.68
<b><u>Insurance Reserve (01)</u></b>	\$ 498,000	\$ 24,974.49		\$ 522,974.49
<b><u>Impact Fees (18)</u></b>	\$ -	\$ 7,479.02	\$ (7,479.02)	\$ -
<b>TOTALS</b>	\$ 1,494,000	\$ 100,735.22	\$ (65,653.05)	\$ 1,529,082.17

**WHITEMARSH TOWNSHIP  
CERTIFICATE OF DEPOSITS**

	<b>BANK OF THE OZARKS</b>	<b>CREST-MARK BANK</b>	<b>MODERN BANK</b>	<b>SONA BANK</b>	<b>HUNTINGDON VALLEY BANK</b>	<b>NEW OMNI BANK</b>	<b>TIPTOP LATHAM BANK</b>	<b>TRISTATE CAPITAL BANK</b>	<b>TRISTATE CAPITAL BANK</b>
ORIGINAL INVESTMENT	MATURED	MATURED	\$ 249,000	MATURED	\$ 249,000	\$ 249,000	\$ 249,000	MATURED	MATURED
INTEREST	2.14%	2.50%	2.85%	3.00%	2.30%	2.40%	2.80%	2.05%	2.85%
2018 - 2019	\$ 4,060.40	\$ 3,154.87	\$ 5,676.18	\$ 6,201.12	\$ 9,766.34	\$ 10,224.67	\$ 9,358.64	\$ 2,573.23	\$ 7,158.58
JANUARY			\$ 380.66	\$ 634.44					
FEBRUARY			\$ 380.66	\$ 634.44	\$ 522.88	\$ 537.90	\$ 475.83		
MARCH			\$ 356.10		\$ 489.11	\$ 520.45	\$ 475.83		
APRIL			\$ 380.66		\$ 522.88	\$ 520.45	\$ 445.13		
MAY			\$ 368.38		\$ 607.11	\$ 537.80	\$ 475.83		
JUNE			\$ 380.66				\$ 460.48		
JULY									
AUGUST									
SEPTEMBER									
OCTOBER									
NOVEMBER									
DECEMBER									
JANUARY									
FEBRUARY									
MARCH									
APRIL									
MAY									
JUNE									
JULY									
AUGUST									
<b>TOTAL INTEREST</b>	<b>\$ 4,060.40</b>	<b>\$ 3,154.87</b>	<b>\$ 7,923.30</b>	<b>\$ 7,470.00</b>	<b>\$ 11,908.32</b>	<b>\$ 12,341.27</b>	<b>\$ 11,691.74</b>	<b>\$ 2,573.23</b>	<b>\$ 7,158.58</b>

<b>TOTAL FUNDS</b>
\$1,064,281.71

\* \$58,174.03 was transferred to the PA Invest Budgetary Reserve Account on May 4th.

**WHITEMARSH TOWNSHIP  
CERTIFICATE OF DEPOSITS**

	<b>SPIRIT BANK</b>	<b>UNION NATIONAL BANK &amp; TRUST</b>	<b>GRAND RIDGE NATIONAL BANK</b>	<b>BANK OF THE OZARKS</b>
ORIGINAL INVESTMENT	MATURED	MATRUED	\$ 249,000	\$ 249,000
INTEREST	2.59%	2.80%	2.60%	1.87%
2018 - 2019	\$ 6,449.28	\$ 10,471.29	\$ 3,263.62	
JANUARY			\$ 549.85	
FEBRUARY			\$ 549.85	
MARCH			\$ 514.37	\$ 370.15
APRIL			\$ 549.85	\$ 395.68
MAY			\$ 532.11	\$ 382.91
JUNE			\$ 549.85	\$ 395.68
JULY				
AUGUST				
SEPTEMBER				
OCTOBER				
NOVEMBER				
DECEMBER				
JANUARY				
FEBRUARY				
MARCH				
APRIL				
MAY				
JUNE				
JULY				
AUGUST				
<b>TOTAL INTEREST</b>	<b>\$ 6,449.28</b>	<b>\$ 10,471.29</b>	<b>\$ 6,509.50</b>	<b>\$ 1,544.42</b>

<b>TOTAL FUNDS</b>	
\$	522,974.49

**WHITEMARSH TOWNSHIP  
CERTIFICATE OF DEPOSITS**

	<b>FIRST MID BANK</b>	<b>BANK NAME OR DESCRIPTION</b>	<b>BANK NAME OR DESCRIPTION</b>	<b>BANK NAME OR DESCRIPTION</b>
ORIGINAL INVESTMENT	MATURED	\$ -	\$ -	\$ -
INTEREST	3.10%	0.00%	0.00%	0.00%
2019 - 2019	\$ 7,479.02			
JANUARY				
FEBRUARY				
MARCH				
APRIL				
MAY				
JUNE				
JULY				
AUGUST				
SEPTEMBER				
OCTOBER				
NOVEMBER				
DECEMBER				
JANUARY				
FEBRUARY				
MARCH				
APRIL				
MAY				
JUNE				
JULY				
AUGUST				
<b>TOTAL INTEREST</b>	<b>\$ 7,479.02</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>TOTAL FUNDS</b>	
\$	7,479.02

\* \$7,479.02 was transferred to the PLIGT Traffic Impact Account on May 4th.

Reserve Funds	Current Invested Funds	Total Interested Earned Since Inception	Funds Transfer-Out	Current Balance Held
<b><u>Budgetary Reserve (01)</u></b>	\$ 996,000	\$ 68,281.71	\$ (58,174.03)	\$ 1,006,107.68
<b><u>Insurance Reserve (01)</u></b>	\$ 498,000	\$ 24,974.49		\$ 522,974.49
<b><u>Impact Fees (18)</u></b>	\$ -	\$ 7,479.02	\$ (7,479.02)	\$ -
<b>TOTALS</b>	\$ 1,494,000	\$ 100,735.22	\$ (65,653.05)	\$ 1,529,082.17

**WHITEMARSH TOWNSHIP  
CERTIFICATE OF DEPOSITS**

	<b>BANK OF THE OZARKS</b>	<b>CREST-MARK BANK</b>	<b>MODERN BANK</b>	<b>SONA BANK</b>	<b>HUNTINGDON VALLEY BANK</b>	<b>NEW OMNI BANK</b>	<b>TIPTOP LATHAM BANK</b>	<b>TRISTATE CAPITAL BANK</b>	<b>TRISTATE CAPITAL BANK</b>
ORIGINAL INVESTMENT	MATURED	MATURED	\$ 249,000	MATURED	\$ 249,000	\$ 249,000	\$ 249,000	MATURED	MATURED
INTEREST	2.14%	2.50%	2.85%	3.00%	2.30%	2.40%	2.80%	2.05%	2.85%
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MARCH			\$ 356.10		\$ 489.11	\$ 520.45	\$ 475.83		
APRIL			\$ 380.66		\$ 522.88	\$ 520.45	\$ 445.13		
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JULY									
AUGUST									
SEPTEMBER									
OCTOBER									
NOVEMBER									
DECEMBER									
JANUARY									
FEBRUARY									
MARCH									
APRIL									
MAY									
JUNE									
JULY									
AUGUST									
<b>TOTAL INTEREST</b>	<b>\$ 4,060.40</b>	<b>\$ 3,154.87</b>	<b>\$ 7,923.30</b>	<b>\$ 7,470.00</b>	<b>\$ 11,908.32</b>	<b>\$ 12,341.27</b>	<b>\$ 11,691.74</b>	<b>\$ 2,573.23</b>	<b>\$ 7,158.58</b>

<b>TOTAL FUNDS</b>
\$1,064,281.71

\* \$58,174.03 was transferred to the PA Invest Budgetary Reserve Account on May 4th.

**WHITEMARSH TOWNSHIP  
CERTIFICATE OF DEPOSITS**

	<b>SPIRIT BANK</b>	<b>UNION NATIONAL BANK &amp; TRUST</b>	<b>GRAND RIDGE NATIONAL BANK</b>	<b>BANK OF THE OZARKS</b>
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JANUARY			\$ 549.85	
FEBRUARY			\$ 549.85	
MARCH			\$ 514.37	\$ 370.15
APRIL			\$ 549.85	\$ 395.68
MAY			\$ 532.11	\$ 382.91
JUNE			\$ 549.85	\$ 395.68
JULY				
AUGUST				
SEPTEMBER				
OCTOBER				
NOVEMBER				
DECEMBER				
JANUARY				
FEBRUARY				
MARCH				
APRIL				
MAY				
JUNE				
JULY				
AUGUST				
<b>TOTAL INTEREST</b>	<b>\$ 6,449.28</b>	<b>\$ 10,471.29</b>	<b>\$ 6,509.50</b>	<b>\$ 1,544.42</b>

<b>TOTAL FUNDS</b>	
\$	522,974.49

**WHITEMARSH TOWNSHIP  
CERTIFICATE OF DEPOSITS**

	<b>FIRST MID BANK</b>	<b>BANK NAME OR DESCRIPTION</b>	<b>BANK NAME OR DESCRIPTION</b>	<b>BANK NAME OR DESCRIPTION</b>
ORIGINAL INVESTMENT	MATURED	\$ -	\$ -	\$ -
INTEREST	3.10%	0.00%	0.00%	0.00%
2019 - 2019	\$ 7,479.02			
JANUARY				
FEBRUARY				
MARCH				
APRIL				
MAY				
JUNE				
JULY				
AUGUST				
SEPTEMBER				
OCTOBER				
NOVEMBER				
DECEMBER				
JANUARY				
FEBRUARY				
MARCH				
APRIL				
MAY				
JUNE				
JULY				
AUGUST				
<b>TOTAL INTEREST</b>	<b>\$ 7,479.02</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>TOTAL FUNDS</b>	
\$	7,479.02

\* \$7,479.02 was transferred to the PLIGT Traffic Impact Account on May 4th.

WHITEMARSH TOWNSHIP - CAPITAL RESERVE FUND  
 2020 YEAR TO DATE - SCHEDULE FOR FIRE COMPANY CAPITAL RESERVE  
 AS OF JUNE 30, 2020

<u>ACCOUNT GROUP</u>	<u>NOTES</u>	<u>VDR NAME</u>		<u>CURRENT YEAR TOTALS</u>	<u>PRIOR YEAR HISTORY</u>	<u>COMBINED TOTALS</u>	<u>YEAR TO DATE ACTUAL 6/11/2020</u>
		<u>BARREN HILL FIRE CO</u>	<u>SPRING MILL FIRE CO</u>				
<b><u>BOOK BALANCE RECONCILIATION</u></b>							
TOWNSHIP CONTRIBUTION TO FIRE CO CAPITAL RESERVE	1	103,205	166,908	106,150	347,667	453,817	
DISTRIBUTION	2			0	(183,703)	(183,703)	
INTEREST ACCRUED	3	5,874	5,874	1,053	10,695	11,748	
<b>SUB-TOTALS</b>		<b>109,079</b>	<b>172,782</b>	<b>107,203</b>	<b>174,658</b>	<b>281,862</b>	
<b><u>BANK BALANCE RECONCILIATION</u></b>							
BEGINNING OF THE YEAR BALANCE	4						174,658
CURRENT YEAR INTEREST	5						1,053
WITHDRAWALS	6						0
DEPOSITS	7						106,150
<b>TOTAL BANK BALANCE</b>							<b>281,862</b>
<b><u>FIRE CAPITAL RESERVE BALANCE COMPARISON</u></b>	<b>8</b>					<b>281,862</b>	<b>281,862</b>

**Explanation of Expenditures:**

The above schedule reflects both the recorded and held balance for the Fire Company Capital Reserve Account.

- 1) The 2020 Township Budget Contribution of \$106,150 transfer occurred on the second week of June as a majority of the current year collections for Real Estate Taxes have been received from Berkheimer allowing the General Fund Transfer.
- 2) In 2019, Spring Mill Fire Company requested a \$60,000 distribution. A Check was issued & received on 4/26/2019 in whole for the requested amount. Barren Hill requested a distribution of \$123,703. A check was issued & received on 10/18/2019
- 3) Interest posted in the amount \$1,053 to book balance as per monthly bank statements received in 2020.
- 4) The account balance for the Fire Capital Reserve account as per January 1, 2020 was \$174,658, which comprised of prior year deposits and interest earned
- 5) The Township earned \$1,053 in interest based on balances held. Interest earned is rolled over into the bank balance to maximize compound interest.
- 6) The Township has not received any distribution requests in the current year.
- 7) \$106,150 have been wired into the Reserve for current year Township contribution.
- 8) The Township's Records and the Bank balance mirror leaving no variance to be reconciled.

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**WHITEMARSH TOWNSHIP**

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**To:** Board of Supervisors

**From:** RICHARD L. MELLOR, JR., TOWNSHIP MANAGER

**Subject:** **Township Operations**

**Date:** July 30, 2020

**cc:**

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Whitemarsh Township, as an essential municipal operation, started a return to the office schedule on Monday, June 1<sup>st</sup> for all Township employees. We have continued full in person operations for all Township Department since this time. All employees adhere to the following policies put in place in order to provide a safe work environment.

- **Personal Protective Equipment (PPE) Policy**
- **Handwashing and Cleaning Policy**
- **Health Monitoring Policy**
- **Employee Exposure Policy**

Daily temperature checks are taken for all employees. Masks are required to be worn when entering any Township facility by both employees and the public. Masks are available to any person that enters the buildings and is not wearing one. Hand sanitizing stations are available in common areas throughout our facilities. If any employee is not feeling well, they are required to stay home.

The Township phased the opening of the offices to the public throughout the start of June. We offered reduced hours in which the public could enter the buildings during the State's yellow phase. At the start of the State's green phase, the normal office hours for in-person visits were permitted and have remained.

We continue to monitor all Federal, State and County guidelines as protocols and mandates continue to change. The local emergency declaration remains in effect as Pennsylvania has yet to lift their State of Emergency due to the ongoing pandemic.

I appreciate the efforts of our employees in creating a safe work environment for their fellow employees and visitors.

**Richard L. Mellor, Jr.**  
**Township Manager**  
616 Germantown Pike  
Lafayette Hill, PA 19444  
Phone: 484-594-2601  
Email: [rmellor@whitemarshtwp.org](mailto:rmellor@whitemarshtwp.org)

WHITEMARSH TOWNSHIP

# Fire Code and Inspection Program

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Adopting the 2015 International Fire Code

**Nick Weaver**

**7/31/2020**

A proposal to adopt the 2015 International Fire Code to be commensurate with the Pennsylvania Uniform Construction Code and implementation of an inspection program.

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## **Executive Summary**

The adoption of the 2015 International Fire Code will provide the legal authority to enforce a current fire code. The township's adopted fire code by ordinance is the 1982 edition of NFPA (National Fire Protection Association) 1 Fire Code. The Pennsylvania Uniform Construction Code presently utilizes the 2015 International Code Council Series, such as our 2015 International Building Code. The building and fire code compliment and reference each other. A fire code is used to ensure buildings are occupied safely, whereas a building code is used to construct a structure safely for its intended use. Once a building is complete, inspected, and accepted, no further inspections are conducted unless there is a complaint or an official recognizes an issue while at the building for legitimate purposes. The adoption of a Fire Inspection Program would allow the township to enforce the fire code fairly and equally to all commercial properties of the township. The Program would also promote positive relationships with property and business owners with a shared mission of providing safe buildings. Visiting every commercial property annually would verify that all required permits are obtained for construction and operational purposes. A business list would be able to be up to date constantly with the valuable information available readily.

## Defining the Problem

### PA UCC Adoption

The adoption of the Pennsylvania Uniform Construction Code (UCC) and “opt-in” to enforce it in 2004 by Ordinance #791 adopts the codes utilized and referenced by the Pennsylvania UCC. This includes the International Building Code, International Fuel Gas Code, and International Fire Code. The original Ordinance #791 correctly does not reference a year, so the township uses the edition adopted by the Pennsylvania UCC, currently the 2015 editions, and does not require periodical updates with edition changes. Ordinance #791 only adopts appendices B (Fire Flow Requirements for Buildings), C (Fire Hydrant Locations), D (Fire Department Access Roads), E (Hazard Categories), & F (Hazard Ranking). Those are the only sections of the 2015 International Fire Code enforceable by Whitemarsh Township, with the exception of Chapters 9 Fire Protection & 10 Means of Egress that are exact duplicates from the 2015 International Building Code. This error is common since the misconception is the Pennsylvania UCC incorporates the International Fire Code

### Enforcing a Fire Code

Besides previously adopted ordinances prior to 2004, the Fire Marshal can only utilize NFPA 1 1982 edition and the appendices of the 2015 International Fire Code. The enforceable code, with the exception of the previous mentioned items, is thirty eight years old. Notices of Violations and Citations must be issued utilizing a code that may pre-date possible property/business owners. Construction methods, construction materials, contents of businesses, and contents of homes have drastically changed within that time frame.

### Examples

See the provided examples that show a snap shot of a few items that cannot be regulated or enforced. This is not all encompassing and many more could have been mentioned.

### *Hazardous Materials*

The International Fire Code sets requirements for all materials deemed harmful to life and the environment. The township couldn't prohibit the improper storage or regulate this use of hazardous materials. This would include storing incompatible materials, such as an oxidizer with a flammable, next to each other which would only require a heat source to start a large fire. An auto body would not be required to ground their paint mixing station; grounding stops static electricity build up and inhibits sparks that could ignite the flammable paints. These are two examples out of over a hundred pages of hazardous materials regulations.

### *Knox Boxes*

The International Fire Code, in Chapter 5, allows the Authority Having Jurisdiction (Fire Marshal) the ability to require Knox Boxes. Knox Boxes are emergency access systems utilized by emergency services that contain a key to gain entry to buildings during emergencies. Businesses and property owners could simply decline the installation since the key boxes were not in the adopted NFPA 1 code.

### ***Fire Drills & Emergency Plans***

Schools, retirement communities, and large facilities are required to conduct fire drills and provide emergency plans according to Chapter 4 of the International Fire Code. The Fire Marshal has no current authority to require and drills or the creation of any plans. State requirements will have some facilities do this for state compliance with no required input from local fire code officials.

### ***Premise Identification***

Chapter 5 of the International Fire Code requires that the facility address and business name be required on the building and how. A property owner could put any style or type or address (as long as it meets the sign zoning) they wanted to, such as fonts or colors illegible from the street inhibiting the identification of buildings.

### ***Electrical Hazards***

Not to include the national electrical code in this proposal, the International Fire Code regulates electrical safety in buildings as well. Open wiring, open junction boxes, temporary wiring, extension cords, and clearances to electrical systems are regulated in Chapter 6 of the International Fire Code. Without a fire code the only time these items are checked is when the building is sold or a new business comes in. Electrical hazards cause a large amount of fires that could be prevented with easy maintenance of putting a cover plate over an outlet or not storing cardboard boxes on electrical transformers that generate heat.

### ***Existing Building Inspections***

Whitemarsh Township conducts existing building inspection of commercial properties. These inspections would have to utilize the legally adopted codes stated above, they cannot utilize current standards. There is no adopted ordinance that gives the township authority to conduct these inspections, a property could simply ask the township officials to leave at any point or refuse entry. Ordinance #54, which establishes the Fire Marshal, does grant the Fire Marshal the authority to enter properties. If a property refused entry to the Fire Marshal an administrative warrant could be obtained from the District Court for access.

### ***Business List & Permitted Work***

There currently is no up to date business list for the township. The Fire Marshal's Office has reviewed the tax database to come up with an initial business list based on tax records. The township has no way to know if a business begins operation without them "self-reporting" to acquire a U&O. That is the same issue with permitted work, both construction or operational. Unless someone "self-reports" requiring a permit when they apply for it or an official drives by and see work being done there is no accountability of it.

The township code of ordinances already requires operational permits set forth in Chapter 1 of the International Fire Code. These permits are not issued and the required fees are not charged. Examples of such operational permits would be: woodworking shop, places of assemblies, gas/repair stations, hazardous material, and high piled storage.

## Proposal

### Fire Code

The adoption of the 2015 International Fire Code by ordinance is a simple correction. A draft of the Ordinance is attached as Appendix A. It is drafted so the edition would match with the current code series adopted by the Pennsylvania UCC to correctly compliment it. The draft also contains all the previous requirements from the past into one document, rather than pieced through multiple ordinances. Another item in the draft is changing the requirements for fire hydrants. Prior to a robust fire code the township was proactive and required a certain hydrant with explicit specifications. These specifications are out of date and current standards require hydrants to be made with the appropriate specifications. It also reflects cleaning up fire department access that was proactively required by the township. All adopted requirements prior to the Pennsylvania UCC are included in the draft and are lawful, including ones that are more restrictive than the 2015 International Fire Code. This wording will ensure, such as Ordinance #791, a new ordinance would not be necessary every time the Pennsylvania UCC code editions are modified. Once adopted it would go in effect immediately.

### Inspection Program

An inspection program can be started by adopting the proposed draft ordinance, attached as Appendix B. This draft requires all commercial properties, and lists all the occupancy types to ensure no confusion arises, be inspected annually by the Township. This would give the township the lawful right to ask businesses and properties access to their building for a fire and life safety inspection.

The benefits of a formal inspection program requiring Annual Fire Inspections would ensure all buildings are safe for occupants. The Annual Fire Inspection is a maintenance inspection and focused on safety. Business and properties would not be required to come up to current construction code requirements unless they changed occupancy, had renovations or a new U&O as required by the Pennsylvania UCC. An example of this is on office that changes owners would not have new requirements implemented on them, but if the office became a store they would. Besides ensuring safety of occupants, the inspection program would promote a positive relationship with all its businesses and maintain up to date emergency contacts for properties. Having inspections of properties annually will make certain necessary permits are obtained or existing operational permits that are not applicable are removed since the properties will be visited annually.

The inspection program would also enforce the maintenance requirements set force by both the International Building (required currently without adoption of the fire code) and Fire Codes for fire protection systems. Fire protection systems (alarms, sprinklers, etc.) must be inspected annually. Cooking hood suppression systems in commercial kitchens require semi-annual inspections. Cooking hoods in commercial kitchen require cleaning on a monthly, quarterly, semi-annually, or annually based on their use.

The Annual Fire Inspections would evaluate the need for any required operational permits and issues the applicable fees.

## **Implementation**

### **Fire Code Adoption**

The fire code draft ordinance must be reviewed by the Board of Supervisors and solicitor prior to advertisement. Once a final draft is approved the township manager can have it put on the next Board of Supervisors agenda. Both the Fire Marshal's Office and Building Department have copies of the 2015 edition of the International Fire Code on site.

### **Inspection Program**

If the Board of Supervisors believes the proposed inspection program has value and should be implemented, a plan would have to be drafted to facilitate the program. The Board of Supervisors would need to determine if fees would be applied for inspections in addition to the already required operational permits and applicable fees. A plan for the program would be drafted and approved prior to the approval of the 2021 budget. The inspection program would not start until January 1, 2021.

## Appendix A

**WHITEMARSH TOWNSHIP**  
**MONTGOMERY COUNTY, PENNSYLVANIA**

**ORDINANCE NO. ???**

**AN ORDINANCE OF WHITEMARSH TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA, ADOPTING THE 2015 INTERNATIONAL FIRE CODE AS THE TOWNSHIP FIRE PREVENTION CODE**

**WHEREAS**, the Board of Supervisors of Whitemarsh Township has enacted the Code of Ordinances of Whitemarsh Township which includes, inter alia, provisions governing fire & life safety in Whitemarsh Township; and

**WHEREAS**, said enacting Ordinance does prescribe a procedure for amendments to the code; and

**WHEREAS**, the Board of Supervisors has determined that the recommended adoption of the 2015 International Fire Code as the Township Fire Prevention Code to the Code of Ordinances, as recommended by the Fire Marshal, has merit and desires to implement this adoption in the best interest of the health, safety, and welfare of the residents of Whitemarsh Township;

**NOW, THEREFORE**, be it, and it is hereby **ORDAINED** by the Board of Supervisors of Whitemarsh Township, and it is hereby **ENACTED** and **ORDAINED** by authority of same as follows:

I. That a certain document, three (3) copies of which are on file in the office of the Fire Marshal of Whitemarsh Township, being marked and designated as the *International Fire Code*, 2015 edition, including Appendix Chapters B, C, D, E, F (these are already adopted under the UCC adoption), as published by the International Code Council, be and is hereby adopted as the Fire Code of Whitemarsh Township, in the Commonwealth of Pennsylvania regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises as herein provided; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Fire

Code on file in the office of the Fire Marshal are hereby referred to, adopted, and made a part hereof, as if fully set out in this legislation, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this ordinance.

II. That the following sections are hereby revised:

A. Section 101.1. Insert: Whitemarsh Township, Montgomery County

B. Section 103.1, General, shall be modified and read as follows:

The Department of Fire Prevention is established within the jurisdiction and under the direction of the Fire Marshal. The Fire Marshal/Code Official shall be in charge of the operation of this Department and its function shall be the implementation, administration, and enforcement of the provisions of this code.

C. Section 103.2, Appointment, shall be deleted and the following language substituted:

The Fire Marshal position shall be filled as prescribed in the Code of the Township of Whitemarsh.

D. Add Section 105.1.4, Fees:

"Fees for fire permits shall be in accordance with a schedule adopted by resolution of the Board of Supervisors."

E. Sections 105.6 and 105.7, Required Permits, shall read as follows:

"The Fire Code Official is authorized to issue permits and collect fees as enumerated in sections 105.6.1 through 105.6.48 and sections 105.7.1 through 105.7.18 in accordance with the fee schedule adopted by resolution of the Board of Supervisors."

F. Section 109.4. Insert: Summary, not to exceed \$1,000, 30 days

G. Section 202 shall have the following definitions added:

FIRE MARSHAL -- The Fire Marshal of Whitemarsh Township, who shall also be the Fire Chief and Fire Official as referred to in this code

(Old Ordinance Number 621, adopted 4-18-1991)

H. Section 111.4. Insert: \$??? & Not to exceed \$1,000

I. Section 503.2.1 shall be deleted and the following language substituted:

"Dimensions. ~~Access driveways/roads~~ **Fire Apparatus access roads** shall have an unobstructed width of 24, exclusive of shoulders, except for *approved security gates in accordance with Section 504.6*, and an unobstructed vertical clearance of 14 feet. ~~feet for two-way circulation and 12 feet for one-way circulation; the minimum center-line radius on either type of access driveway shall be 70 feet; dead ends that exceed 150 feet in length shall be provided with an adequate turnaround area or a cul-de-sac with a minimum diameter of 90 feet; and~~ **No** access driveway shall be located closer than five feet to a structure.

(Old Ordinance Number 502, adopted 12-13-1984)

J. Section 507.1.1 shall be added as follows:

"All water mains shall be of sufficient size to provide at least 1,500 gallons per minute for fire hydrants. A loop system shall be used unless otherwise approved by the Fire Official."

(Old Ordinance Number 502, adopted 12-13-1984)

K. Section 507.5.7 shall be added as follows:

"507.5.7. Fire hydrants. Specifications. Fire hydrants shall be ~~Muller Hydrant, Model No. 107, or equivalent, with a dry barrel, three outlet type having two two and one half inch side outlets with National Standard fire hose thread, 7 1/2 threads to the inch, and one four and one half inch hard suction connection, with National Standard fire hose thread, four threads to the inch, located on the front side.~~ **have National Standard Threads and be approved by the Fire Official.**

The following criteria shall be required regarding installation:

1. The hard-suction connection shall face the street, access driveway or fire walkway with the side outlets parallel to the cartway or walkway edge.
2. A minimum clearance of 20 inches, measured from the bottom of the lowest outlet to final grade of ground or pavement, shall be provided. In no case shall said clearance be more than 26 inches.
3. Fire hydrants shall be appropriately spaced so as not to exceed 500 feet between hydrants.
4. Fire hydrants required to be located outside a street right-of-way shall not be accepted as public fire hydrants by the Township.
5. Fire hydrants shall be located within five feet of paved streets, access driveways or fire walkways."

(Old Ordinance Number 502, adopted 12-13-1984)

L. Section 603.4 shall be deleted and replaced as follows

"603.4. Portable heaters. Portable heaters, vented or unvented, in any structure, other than a single-family dwelling, which is used wholly or in part for human habitation, shall be prohibited.

Portable heaters shall include, but not be limited to, heaters having a barometrically fed fuel control, with a fuel supply tank located less than 42 inches from the center control, with a fuel supply tank located less than 42 inches from the center of the burner, using gas, kerosene, range oil or No. 1 fuel oil for fuel.

603.4.1. Prohibited locations. Unvented fuel-fired heating equipment shall not be located in, or obtain combustion air from any of the following rooms or spaces: sleeping rooms, bathrooms, toilet rooms or storage rooms.

603.4.1.1. Certain sales prohibited. No person shall sell or offer for sale or install a secondhand, previously owned, space heater or portable stove which uses gas, kerosene, range oil or No. 1 fuel oil for fuel.

603.4.1.2. Limited permissible uses of unvented kerosene heaters. Unvented kerosene heaters may be used in an agricultural building or a building under construction. Such heaters shall meet UL Subject 647 and bear the Underwriters' Laboratories, Inc. label, so certifying compliance."

(Old Ordinance Number 502, adopted 12-13-1984)

M. Section 5601.2.4 shall be changed as follows;

\$100,000 shall be changed to \$5,000,000

(Old Ordinance Number 502, adopted 12-13-1984)

N. If any conflict arises between the 2015 International Fire Code(IFC), PA Act 43 of 2017, Ordinance #989, or Ordinance #990 the Act and ordinances shall supersede the IFC.

*Section 3. That the geographic limits referred to in certain sections of the 2015 International Fire Code are hereby established as follows:*

- O. Section 5704.2.9.6.1 (geographic limits in which the storage of Class I and Class II liquids in above-ground tanks outside of buildings is prohibited): [JURISDICTION TO SPECIFY]2 2015 INTERNATIONAL FIRE CODE®*
- P. Section 5706.2.4.4 (geographic limits in which the storage of Class I and Class II liquids in above-ground tanks is prohibited): [JURISDICTION TO SPECIFY]*
- Q. Section 5806.2 (geographic limits in which the storage of flammable cryogenic fluids in stationary con-tainers is prohibited): [JURISDICTION TO SPECIFY]*
- R. Section 6104.2 (geographic limits in which the storage of liquefied petroleum gas is restricted for the protection of heavily populated or congested areas): [JURISDICTION TO SPECIFY]*

III. All ordinances of parts thereof inconsistent with this Ordinance are hereby repealed to the extent of the inconsistency.

IV. The provisions of this Ordinance are declared to be severable. If any provision of this Ordinance is declared by a court of competent jurisdiction to be invalid or unconstitutional, such determination shall have no effect on the remaining provisions of this Ordinance or on the provisions of the Code of Ordinances of Whitemarsh Township.

V. This Ordinance shall become effective five (5) days following its legal enactment.

**ENACTED** and **ORDAINED** this Nth day of Month, 2020.

**ATTEST:**

**BOARD OF SUPERVISORS OF WHITEMARSH TOWNSHIP**

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Richard L. Mellor, Jr., Secretary

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By: Laura Boyle-Nester, Chair

## Appendix B

**WHITEMARSH TOWNSHIP**  
**MONTGOMERY COUNTY, PENNSYLVANIA**

**ORDINANCE NO. ???**

**AN ORDINANCE OF WHITEMARSH TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA,  
ESTABLISHING AN ANNUAL FIRE SAFETY INSPECTION PROGRAM AND ESTABLISHING FEES THEREFORE**

**WHEREAS**, the Board of Supervisors of Whitemarsh Township has adopted the 2015 International Fire Code; and

**WHEREAS**, the Board of Supervisors of Whitemarsh Township has determined that the health, safety and welfare of the community warrants the imposition of an annual fire safety inspection and permit program and the establishment of procedures and fees for obtaining such permits; and

**WHEREAS**, this Ordinance will provide greater uniformity, facilitate administration of permit fees, and set fees sufficient to cover the costs of administration;

**NOW, THEREFORE**, be it, and it is hereby **ORDAINED** by the Board of Supervisors of Whitemarsh Township, and it is hereby **ENACTED** and **ORDAINED** by authority of same as follows:

I. In accordance with the 2015 International Fire Code adopted by the Township all group A, A-1, A-2, A-3, A-4, A-5, B, E, F, F-1, F-2, H, H-1, H-2, H-3, H-4, H-5, I, I-1, I-2, I-3, I-4, M, R, R-1, R-2, R-3, R-4, S, S-1, S-2, and U occupancy classifications shall be inspected annually by the Fire Marshal, or their designee, who shall issue a Fire Safety Certificate which Certificate will be posted in a conspicuous location .

II. Fire safety inspection permits shall be issued only after the Fire Marshal and his/her designee (hereinafter referred to as "Inspector") has inspected the premises and found the premises to be free from any violations of the Fire Code or any other state or local regulations concerning fire safety.

III. Fire safety inspection permits shall be valid for the calendar year they were issued.

IV. The Fire Marshal shall devise a schedule for implementing the provisions of this Ordinance among the various uses and occupancies affected and shall devise and implement all plans and systems necessary to administer this program.

V. The fee to be charged for the annual inspection and permit shall be set as determined from time to time by Township Resolution.

VI. The provisions of this Ordinance are declared to be severable. If any provision of this Ordinance is declared by a court of competent jurisdiction to be invalid or unconstitutional, such determination shall have no effect on the remaining provisions of this Ordinance or on the provisions of the Code of Ordinances of Whitemarsh Township.

VII. This Ordinance shall become effective five (5) days following its legal enactment.

**ENACTED** and **ORDAINED** this Nth day of Month, 2020.

**ATTEST:**

**BOARD OF SUPERVISORS OF WHITEMARSH TOWNSHIP**

\_\_\_\_\_  
Richard L. Mellor, Jr., Secretary

\_\_\_\_\_  
By: Laura Boyle-Nester, Chair

**From:** [Krista Heinrich](#)  
**To:** [Sue McCloskey](#)  
**Subject:** FW: Intersection Improvements  
**Date:** Friday, July 31, 2020 10:29:33 AM

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Hi Sue –

See below update for inclusion as an agenda item for the BOS workshop meeting next week.

Thanks!

Krista Heinrich, PE  
Gilmore & Associates

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**From:** Rick Mellor <[rmellor@whitemarshwp.org](mailto:rmellor@whitemarshwp.org)>  
**Sent:** Friday, July 31, 2020 10:28 AM  
**To:** Krista Heinrich <[kheinrich@gilmore-assoc.com](mailto:kheinrich@gilmore-assoc.com)>  
**Subject:** RE: Intersection Improvements

Krista – looks good. Can you send to Sue?

Thanks.

*Rick*

Richard L. Mellor, Jr., ICMA-CM  
Township Manager  
Whitemarsh Township  
616 Germantown Pike  
Lafayette Hill, PA 19444  
Office: 610-825-3535  
Direct: 484-594-2601  
[www.whitemarshwp.org](http://www.whitemarshwp.org)



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**From:** Krista Heinrich [<mailto:kheinrich@gilmore-assoc.com>]  
**Sent:** Friday, July 31, 2020 10:15 AM  
**To:** Rick Mellor  
**Subject:** RE: Intersection Improvements

Rick:

See below, this is how it will appear in the quarterly report.

The Reserve at Creekside Intersection Improvements:

As part of the Reserve at Creekside Development, the Township is required to design and construct improvements to five intersections within 18 months from the first issuance of a building permit (or as soon as practicable thereafter) in accordance with the approved traffic study and PennDOT regulations. These intersections are Joshua Road and Flourtown Road, Joshua Road and Stenton Avenue, Flourtown Road, Cricket Road and Stenton Avenue, and both intersections of Militia Hill Road and Stenton Avenue. The Township received a Green-Light-Go Grant for the Joshua Road/Stenton Avenue intersection in the amount of \$593,312.00 and a 2019 County Transportation Program (CTP) grant for the Joshua Road/Flourtown Road intersection in the amount of \$199,504.00 which will help offset the cost of construction.

The traffic light installation project at the two intersections of Militia Hill Road and Stenton Avenue is complete and the signals were put into full operation on July 11, 2018.

The current status of the three remaining major intersection improvement projects is as follows:

Stenton/Flourtown/Cricket – The Township received the Highway Occupancy Permit for the construction of this intersection on March 30, 2018 and bids were received on April 11, 2018 with James D. Morrissey, Inc. (JDM) as the lowest responsive bidder at a cost of \$2,507,338.90. PECO and Verizon began utility pole relocations the week of April 9, 2018 and PECO finished the wire relocation to the new poles on July 21, 2018. Relocation of Crown Castle's fiber optic cables, Comcast's communication facilities and Verizon's facilities are complete. A PADEP General Permit was issued in May, 2019. Preconstruction meetings were held on April 23<sup>rd</sup>, 2019 and May 1<sup>st</sup>, 2019 in order to reinstate construction activities. JDM began construction on or about May 13<sup>th</sup>, 2019. On May 26, 2020, PECO completed relocation of gas mains in the fourth and final phase of the work, which would allow JDM to finalize their work. PennDOT has approved a modification to the detour plans to allow a closure of Stenton Avenue between Joshua Road and Flourtown/W. Valley Green starting August 3<sup>rd</sup>, 2020. As a result, A Notice to Proceed was issued to JDM on July 22, 2020. JDM plans to return to the site on or about August 10, 2020. At the contractor's request, a change order request was reviewed, recommended on June 30, 2020, and subsequently approved by the Board of Supervisors at their July 9, 2020 meeting. At the contractor's request, inspections were performed and a letter recommending partial release of payment was issued July 10, 2020.

Joshua/Stenton – The final submission for this intersection was made to PennDOT on April 23, 2018 with all outstanding issues resolved along with all the required documents that demonstrate the Township now owns the required rights-of-way and easements. The Township received the PennDOT Highway Occupancy Permit for construction of these

intersection improvements on May 23, 2018. The Department of Public Works has completed the required tree trimming and removal and PECO, Comcast, and other utilities have substantially completed utility pole relocations and wire transfers. The Board of Supervisors Authorized bidding of this project June 13, 2019.

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Joshua/Flourtown –The Board of Supervisors Authorized bidding of this project June 13, 2019. The Township received the PennDOT Highway Occupancy Permit for the construction of this intersection on October 18, 2019.

Bid documents were prepared for the construction work for both the Joshua/Stenton and Joshua/Flourtown intersections. The bids were opened on January 10, 2020 with Highway Materials, Inc. as the lowest responsive bidder at a cost of \$4,231,068.00. On January 22, 2020, the Board of Supervisors authorized the issuance of a Notice of Intent to Award the bid of \$4,231,068.00. A written Contractor Responsibility Determination, Notice of Award and Notice to Proceed were issued February 24, 2020. A preconstruction meeting was held on February 25, 2020. The project is currently under construction and inspections of the project continue on a daily basis. Correspondence from the Department of Community and Economic Development (DCED) was received indicating that the Governor's calling for the closure of non-life-sustaining businesses does not appear to require the construction to cease. At the contractor's request, inspections were performed and letters recommending partial release of payment were issued April 13, 2020, May 7, 2020, May 12, 2020 and May 15, 2020. HMI has completed the 2<sup>nd</sup> phase of the work (Joshua Road, from Stenton Avenue North along the Cricket Club), and will move to the 3<sup>rd</sup> phase, moving the road closure to Stenton Avenue, from Joshua Road East, along the Cricket Club. This closure will begin on August 3<sup>rd</sup>, 2020.

The conditions of the contract documents and the Green-Light-Go Grant require that construction of work equal to the grant award amount at the intersection of Joshua Road & Stenton Avenue to be complete by May 15, 2020. The work was completed, invoices were submitted and provided to PennDOT. Grant reimbursement was approved by PennDOT and issued on 7/13/2020. In total, the Township was issued \$593,312.99 in Green-Light-Go Grant funding

Krista Heinrich, PE  
Gilmore & Associates

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**From:** Rick Mellor <[rmellor@whitemarshtwp.org](mailto:rmellor@whitemarshtwp.org)>  
**Sent:** Thursday, July 30, 2020 8:44 AM  
**To:** Krista Heinrich <[kheinrich@gilmore-assoc.com](mailto:kheinrich@gilmore-assoc.com)>  
**Subject:** Intersection Improvements

Krista – can you provide a memo with an update on the intersection improvements so I can include as an agenda item for the BOS workshop meeting next week. I would need it by noon tomorrow.

Thanks.

*Rick*

Richard L. Mellor, Jr., ICMA-CM  
Township Manager  
Whitemarsh Township  
616 Germantown Pike  
Lafayette Hill, PA 19444  
Office: 610-825-3535  
Direct: 484-594-2601  
[www.whitemarshtwp.org](http://www.whitemarshtwp.org)



# WHITEMARSH TOWNSHIP CAPITAL IMPROVEMENT PLAN 2020-2022

	Total BUDGET	2019 Actual	2020	2021	2022
<b>Township Building</b>					
Township Building Improvements	\$30,000	\$10,000	\$10,000	\$10,000	\$10,000
WTV Upgrades (Franchise Fee Grants)	\$30,000		\$30,000		
*Sustainable Projects (RF100)	\$30,000		\$10,000	\$10,000	\$10,000
Electric Charging Stations (3)	\$20,000	\$54,123			
*Replace Generator Switch	\$40,000			\$40,000	
*Replace Shingle Roof above Meeting Room	\$40,000		\$20,000	\$20,000	
<b>Public Works Facility</b>					
*Salt Shed Renovation	\$25,000		\$25,000		
*Central Air with Gas Heat	\$15,000			\$15,000	
*Salt Brine Equipment	\$25,000			\$25,000	
*Additional Garage Installation	\$18,000				\$18,000
<b>Public Works Equipment</b>					
Large Dump Truck	\$155,000	\$132,428			\$148,000
*Black Top Roller	\$70,000			\$70,000	
Leaf Machine (1 per year)	\$186,000	\$58,819	\$60,000	\$62,000	\$64,000
Pickup F-250 4x4 w/Plow (2)	\$72,300		\$39,800	\$39,800	
*Tow Behind Air Compressor	\$60,000				\$60,000
*New Zero Turn Mowers (3)	\$30,000		\$30,000		
<b>Cedar Grove Barn</b>					
Water Seal Back Wall	\$10,000			\$10,000	
Roof Replacement	\$50,000			\$50,000	
Cedar Grove Barn Courtyard Wall Repoint	\$15,000			\$15,000	
Courtyard Stone, Tables	\$10,000			\$10,000	
<b>Miles Park Building (4021 Joshua Road)</b>					
Exterior Repair to Wall to Prevent Leaks	\$10,000		\$10,000		
Install ADA Bathrooms	\$30,000			\$30,000	
Fire Alarm System	\$8,000	11,050			
<b>Koontz Park</b>					
Replace First Floor Windows	\$10,000	\$10,000		\$10,000	
*Install Backup Generator	\$15,500		\$15,500		
<b>Parks and Park Equipment</b>					
Miles Park Field/Stormwater Improvement DCNR Grant Match – ADA Pathways	\$136,000	\$275,000	\$136,000		
Koontz Park – Playground Resurfacing	\$10,000				\$10,000
Miles Park – Basketball Court Resurfacing	\$100,000			\$100,000	
Replace park structures	\$45,000	\$5,000	\$15,000	\$15,000	\$15,000
Wells St. Open Space Parking Lot	\$64,000		\$64,000		
Wells St. Open Space – Footbridge	\$50,000				\$50,000

# WHITEMARSH TOWNSHIP CAPITAL IMPROVEMENT PLAN 2020-2022

	Total BUDGET	2019 Actual	2020	2021	2022
<b>Parks and Park Equipment (con't)</b>					
ADA Play structures – Various Playgrounds	\$60,880	\$42,800	\$19,000	\$22,880	\$19,000
2019 Ford F-250 with plow	\$38,500	\$38,500			
PECO Trail – Feasibility/Plan w/DCED grant	\$55,000			\$55,000	
*New Township Sign Board	\$60,000			\$60,000	
*John Deere Utility Vehicle	\$14,000				\$14,000
*Miles Park Fencing and Dugout Roofs	\$40,000		\$40,000		
<b>Police</b>					
Motorcycle (2) @ \$21,500	\$43,000			\$43,000	
Portable Speed Signs	\$10,000	\$9,028			
Canine	\$40,000			\$20,000	\$20,000
*Variable Message Board	\$15,500		\$15,500		
<b>Building and Codes</b>					
<b>Emergency Management</b>					
Radio's (Police/Fire/Ambulance)	\$144,800	\$144,800	\$144,800		
<b>Planning/Zoning</b>					
Comprehensive Plan Update	\$33,000	\$5,000	\$33,000		
Washington Street Feasibility Study	\$15,000		\$15,000		
Wayfinding Signage	\$20,000				\$20,000
<b>Infrastructure Projects</b>					
Germantown Pike Streetscape Project (including engineering)					
Creekside Traffic Improvements	\$6,500,000	\$1,500,000	\$3,500,000	\$1,500,000	
Germantown Pk/Flourtown Rd Safety Signals	\$100,000	\$84,760	\$100,000		
Library Parking Lot Expansion	\$75,000			\$75,000	
<b>TOTAL</b>	<b>\$8,724,480</b>	<b>\$2,381,317</b>	<b>\$4,156,800</b>	<b>\$2,136,800</b>	<b>\$211,000</b>
<b>*NEW ITEM</b>					
<b>Revenues</b>					
<b>Capital Reserve</b>	\$385,092	\$202,820	\$638,900	\$399,680	\$243,000
<b>Bank Loan/2018 Bond Issue</b>	\$7,328,213	\$1,744,918	\$3,703,380	\$1,500,000	
<b>Equipment Reserve</b>	\$508,300	\$158,800	\$193,000	\$130,000	\$195,000
<b>Cable Franchise Fee Grant</b>	\$30,000		\$30,000		
<b>EMS and Fire Radio Reimbursement</b>	\$72,400	\$72,400	\$72,400		

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**WHITEMARSH TOWNSHIP**

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**To:** Board of Supervisors

**From:** RICHARD L. MELLOR, JR., TOWNSHIP MANAGER

**Subject:** **Request for a Light at Germantown Pike and Thomas Road in Springfield Township**

**Date:** July 30, 2020

**cc:**

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Please be advised we have received the attached request from residents of The Hill at Whitemarsh to have a traffic light installed at Germantown Pike and Thomas Road. This intersection is located in Springfield Township. The same request was made to Springfield Township. Their Board of Commissioners reviewed the request and provided us with the attached correspondence.

The intersection does not meet PENNDOT warrants for a light to be installed as determined by Springfield Township. Also, there are other options for vehicles to travel down Thomas Road to Stenton Avenue in order to get enter the City of Philadelphia or locations east. Springfield Township will not install the light on their own.

My recommendation is to review the request so the Township can be directed to provide the appropriate response.

Attachment

**Richard L. Mellor, Jr.**  
**Township Manager**  
616 Germantown Pike  
Lafayette Hill, PA 19444  
Phone: 484-594-2601  
Email: [rmellor@whitemarshtwp.org](mailto:rmellor@whitemarshtwp.org)

**THE HILL AT WHITEMARSH RESIDENTS COUNCIL  
Government Affairs Committee**

221 Fox Hound Drive, Lafayette Hill, PA 19444

June 23, 2020

The Board of Supervisors  
Whitemarsh Township  
616 Germantown Pike  
Lafayette Hill, PA 19444

**WHITEMARSH TOWNSHIP  
RECEIVED**

**JUN 29 2020**

**OFFICE OF THE TWP MANAGER**

Ladies/Gentlemen:

Traffic in Whitemarsh Township has become untenable, with construction funneling traffic to choke-points, adding to the greatly increased amount of automobile traffic. Most problematic, however, is the intersection of Thomas Road and Germantown Avenue, which is in heavy use by many.

Traffic trying to enter that intersection from Thomas Road is faced with very heavy traffic on Germantown Avenue, and by very bad visibility because of the steep incline of Thomas Road and the curve in Germantown Avenue. The result is an extremely dangerous situation. Traffic often backs up for 20 to 30 cars trying to enter Germantown Avenue. The danger is not only inherent in the nature of the intersection, but the lengthy delay makes drivers impatient and they take unnecessary risks trying to move into the intersection.

The situation can be remedied, and should be remedied, by the installation of a traffic light at the intersection. We understand that intersection is in Springfield Township but is immediately adjacent to Whitemarsh Township and so it is used by huge numbers of Whitemarsh Township residents/voters, including the undersigned. We also understand that Germantown Avenue is a state road, and therefore we ask that you present a request to PennDOT to install such a traffic light. A similar request is being made to the Board of Commissioners of Springfield Township to support this request. We, the undersigned, represent a significant fraction of the over 300 residents of The Hill at Whitemarsh, over half of whom are still driving, are daily experiencing the dangers of the intersection, are voters, and are urgently requesting a remedy.

Reply should be addressed to Peter Lantos at the above address.

Sincerely yours,



Peter R. Lantos  
Chairman, Government Affairs Committee  
The Hill at Whitemarsh Residents Council

ALPHABETIZED LIST OF SIGNATORIES  
(3 signatures illegible)

Judith Berliner	Sandra Rosenthal
Harold Berliner	Frederick Rule
Gay Binswanger	Ursula Schaufler
Margaret Boyd	Elizabeth Shea
Alan Braverman	Lawrence Somers
Margery Braverman	Myra Somers
Andrew Cantor	John Spencer
Anne Cantor	Ann Spivack
Harry Crane	Barbara Stern
Valerie Downing	Georgene Taylor
Joan Garde	Claire Tuckman
Suzanne Gerber	Rose Vinokur
Nancy Goldy	Herman Vinokur
Gertrude Green	Betty Wood
George Green	Theodore Wood
Ruth Harbison	Mintur Wright
Frances Harburg	Lenore Zimmerman
Francine Helfman	Al Zimmerman
Nancy Hess	Lita Solis Cohen
Howard Hill	Michael Driscoll
Richard Howarth	Adelaide Sugarman
Pemberton Hutchinson	Adele Goldman
Thomas Hyndman	Sharon Thaxton
Margaret Jones	Beverly Wilde
Jacqueline Kahn	David Wolfe
Donald Kahn	Nancy Wolfe
Peter Lantos	
Amy Maltzman	
Natalie Markowitz	
Ray Markowitz	
Maureen Mischler	
Barbara Muskas	
Robert Muskas	
Dorothy Nofer	
Janet Perper	
Neal Pratt	
Arthur Pringle	
Anne Pringle	
Nancy Roberts	
John Roberts	



# The Township of Springfield

MONTGOMERY COUNTY, PENNSYLVANIA

Township Bldg., 1510 Paper Mill Rd., Wyndmoor, PA 19038

website: www.Springfield-Montco.org Phone: 215-836-7600

Fax: 215-836-7180

**COMMISSIONERS**

Baird M. Standish  
*President*

Eddie T. Graham  
*Vice President*

Jeffrey T. Harbison  
Peter D. Wilson  
Michael E. Maxwell  
Jonathan C. Cobb  
James M. Lee

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A. Michael Taylor  
*Secretary-Manager*

James J. Garrity  
*Solicitor*

Bonny S. Davis  
*Treasurer / Tax Collector*

Mark W. Eisold  
*Engineer*

July 9, 2020

Peter Lantos, Chairman  
Government Affairs Committee  
The Hill at Whitemarsh Residents Council  
221 Fox Hound Drive  
Lafayette Hill, PA 19444

**WHITEMARSH TOWNSHIP  
RECEIVED**

**JUL 13 2020**

**OFFICE OF THE TWP MANAGER**

**RE: TRAFFIC SIGNAL REQUEST  
THOMAS ROAD AND GERMANTOWN AVENUE**

Dear Mr. Lantos:

At the July 6, 2020 meeting of the Board of Commissioners of Springfield Township, the Board discussed your letter of June 23, 2020 requesting the installation of a traffic signal at the intersection of Thomas Road and Germantown Avenue. The Board was also informed of the 80 or so individuals (out of 300) who reside at the Hill at Whitemarsh and support your request.

As you may recall from the February 10, 2020 meeting of the Board of Commissioners, the Board is not inclined to act on your request until the Board of Supervisors of Whitemarsh Township agrees to contribute financially to the cost of the signal. Your letter indicates that you are making a similar request to the Whitemarsh Supervisors and we will await their response.

In the interim, completed and anticipated traffic improvements along Stenton and Flourtown Avenues in Whitemarsh Township provide an alternate means of travel for those who are uncomfortable completing a left hand turning movement from Thomas Road to Germantown Avenue.

Thank you for bringing this matter to our attention once again.

Very truly yours,

Michael Taylor  
Township Manager

MT:cmt

Cc: R. L. Mellor, Jr. ✓

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**WHITEMARSH TOWNSHIP**

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**To:** Board of Supervisors

**From:** RICHARD L. MELLOR, JR., TOWNSHIP MANAGER

**Subject:** **Review Montgomery County Request – Ridge Pike Widening Project  
Proposed Traffic Light at Ridge Pike and Whitemarsh Senior Village**

**Date:** July 30, 2020

**cc:**

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In accordance with the Township's participation in the meetings concerning the Montgomery County Ridge Pike Widening Project between Butler Pike and Crescent Avenue the Engineers have discussed the possibility of a new traffic signal during preliminary design. The location is on Ridge Pike at the entrance opposite Whitemarsh Shopping Center and Whitemarsh Senior Village.

The County's Engineering firm has indicated it would meet the warrants for a new traffic signal in accordance with PENNDOT regulations. The County wants to be able to complete the preliminary engineering and coordination with adjacent stakeholders (particularly Whitemarsh Shopping Center and Whitemarsh Senior Village) with a level of confidence that the proposal for a new traffic signal at this location is acceptable to Whitemarsh Township.

At which time the County completes the final design for the project the Township would be required to pass a PENNDOT resolution approving the traffic signal and ongoing maintenance. We have traffic signal permits to maintain all the signals located in the Township.

We have reviewed this proposal with the Township Engineer and find it to be an appropriate request provided the County is able to work out the necessary details with both adjacent property owners.

Attachment

**Richard L. Mellor, Jr.**  
**Township Manager**  
616 Germantown Pike  
Lafayette Hill, PA 19444  
Phone: 484-594-2601  
Email: [rmellor@whitemarshtwp.org](mailto:rmellor@whitemarshtwp.org)

July 20, 2020

Whitemarsh Township  
616 Germantown Pike  
Lafayette Hill, PA 19444

Attn: Richard L. Mellor, Jr., ICMA-CM  
Township Manager

RE: Montgomery Co. - Ridge Pike Reconstruction (Section C)  
Harmon Road (west of Butler Pike) to Crescent Avenue  
**Request for Presentation of PennDOT Application for Traffic Signal Approval**  
Proposed Traffic Signal at Whitemarsh Shopping Center (East Ridge Pike Entrance)

Dear Mr. Mellor:

As a follow up to email correspondence in June 2020 with Crystal Gilchrist at Montgomery County Planning Commission, and the July 17, 2020 phone conversation with the Design Team's Mike Boles, we are transmitting a draft PennDOT Form TE-160 (Application for Traffic Signal Approval with attachments) for review and comment by the Township as part of the referenced project. The attached information can additionally be presented to the Whitemarsh Township Board of Supervisors during a work session so they can comment on the proposed future submission to the PA Department of Transportation (PennDOT). The subject application is for a proposed traffic signal at the east entrance of the Whitemarsh Shopping Center along Ridge Pike between Butler Pike and Spring Mill Road.

Ultimately, by executing a resolution (future) and submitting a finalized Form TE-160, the Township will be committing to:

- secure training in order to upgrade the ability of its present staff to properly perform the required maintenance functions and abide by all guidance provided in PA DOT Publication 191.
- provide, in the Township's 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 PennDOT District 6-0 Traffic Unit confirmed that they do not, at this stage of the project design, provide an "approval" for a proposed traffic signal. A more complete traffic signal plan and supporting documents will be required before obtaining final approval from PennDOT.

Montgomery County and the design team are working with Brixmor Property Group with the understanding that Whitemarsh Township will eventually obtain a formal Board of Supervisor's approval/resolution to own and maintain the new traffic signal once accepted by PennDOT. The

July 20, 2020



County also met with representatives from the Senior Living Facility to preview the proposals for the traffic signal.

Montgomery County wants to be able to complete the preliminary engineering and coordinate with adjacent stakeholders with a level of confidence that the proposed design is the best transportation solution with documented support from Whitemarsh Township. Thus, the advance presentation of the draft traffic signal application to the municipal board of supervisors is recommended to obtain input regarding the Ridge Pike Improvements in the vicinity of the WSC.

In summary, please consider adding this item to a future board of supervisors work session agenda. Minutes of that meeting could serve as the documented municipal support for the proposed traffic signal.

If you have comments or questions, please contact us. Thank you for your efforts to advance this important project.

Sincerely,  
Rummel, Klepper & Kahl, LLP

A handwritten signature in blue ink that reads 'Colleen Carmichael'.

Colleen Carmichael, PE  
Manager, Transportation

Attachments

cc: via e-mail  
Crystal Gilchrist, MCPC  
Mike Boles, BSA  
Matt Ehlinger

ECMS Agreement L00191; MPMS 16577  
Montgomery Co. - Ridge Pike Reconstruction (Section C)  
Harmon Road (west of Butler Pike) to Crescent Avenue  
Request for Presentation of PennDOT Application for Traffic Signal Approval (TE-160)  
Proposed Traffic Signal at Whitemarsh Shopping Center (East Ridge Pike Entrance)  
**PennDOT Form TE-160 Application Attachment Summary**

In support of Montgomery County's request for an advance Whitemarsh Township review of the draft submission of the PennDOT Form TE-160 (Application for Traffic Signal Approval), below is a summary of the project attachments and traffic analysis completed to date.

Montgomery County's Section C design team compiled information for the initial phase of the analysis as part of the referenced project including: site investigation, data collection (including traffic counts) and study development. Attached are the following documents in support of this request for review/feedback from Whitemarsh Township:

- Draft PennDOT Form TE-160 (Application for Traffic Signal Approval)
- Preliminary Traffic Signal Plan (TSP) for the east Ridge Pike entrance of the Whitemarsh Shopping Center
- Aerial Photo Base Plan with proposed improvements at the Whitemarsh Shopping Center
- Whitemarsh Shopping Center (East Entrance) Traffic Signal Warrant Analysis
- Traffic Technical Support Data (Additional Traffic Counts)
- Turn Lane Warrant/Length Analysis for Ridge Pike/Whitemarsh Plaza Exit 2 (East Entrance)
- Level of Service (LOS) Analysis of the proposed signalized intersection
- Project Location Map
- Site Photographs

Montgomery County and the design team are working with Brixmor Property Group with the understanding that Whitemarsh Township will eventually obtain formal Board of Supervisor's approval/resolution to own and maintain the new traffic signal once accepted by PennDOT. The County also met with representatives from the Senior Living Facility to preview the proposals for the traffic signal.

A draft PennDOT Form TE-160 (Application for Traffic Signal Approval) is attached to this request with Township and site-specific data input for Township consideration. A preliminary Traffic Signal Plan (TSP) is attached to illustrate the proposed layout for the traffic signal at this location.

Also attached is the Traffic Signal Warrant Analysis for the east Driveway at Whitemarsh Plaza Shopping Center, which was reviewed by PennDOT as part of the Section C Project Traffic Analysis in late 2019. Traffic counts were obtained at both Ridge Pike entrances of the Whitemarsh Shopping Center on November 8, 2018 and are attached to the warrant analysis as technical support data. Based upon the analysis, Warrant 1 (Eight-Hour Vehicular Volume) and Warrant 2 (Four-Hour Vehicular Volume) are met.

As discussed at the meeting with the Brixmor Property Group on September 26, 2018, the Warrant Analysis incorporates a left turn prohibition (right-in/right-out) at the west entrance to the Shopping Center and diverts these left turn volumes to the east entrance for improved safety. This consolidation of traffic on the minor road (driveway entrance) enhances the ability to meet warrants for a traffic signal at the east Shopping Center entrance. The signal timing includes 60 cycles/hour for the worksheet, which is consistent with the Spring Mill Road intersection (Butler Pike is 40 cycles/hour).

As noted above, traffic counts and a summary of the traffic volume calculations for the signal warrant analysis worksheet are included as support documentation. Additional Automatic Traffic Recorder (ATR) counts for seven (7) days were obtained in October 2017 and are included to provide perspective on the daily on the

Montgomery Co. - Ridge Pike Reconstruction (Section C)  
Request for Presentation of PennDOT Application for Traffic Signal Approval (TE-160)  
Proposed Traffic Signal at Whitemarsh Shopping Center (East Ridge Pike Entrance)

**PennDOT Form TE-160 Application Attachment Summary**

east/west through traffic volume long Ridge Pike over the course of the week. Average Daily Traffic (ADT) and Average Weekday Traffic (AWT) volumes are calculated using this traffic data.

Also included is a Turn Lane Warrant and Length Analysis Workbook with an initial turn lane warrant analysis for the westbound Ridge Pike left turn lane into the east entrance of the Shopping Center for the AM and PM Peak periods. The preliminary analysis indicates that a minimum 100' long left turn lane would be required for the shopping center entrance along westbound Ridge Pike in the PM peak period.

As part of the traffic simulation analysis for the proposed Ridge Pike Reconstruction Project (Section C), the design team used the Synchro 10 simulation model to evaluate the proposed traffic signal performance at this location and corridor wide traffic operations in the context of the overall traffic analysis. Attached in this submission is the AM/PM Peak period Level of Service (LOS) results for the proposed signal at the east entrance of the Shopping Center.

Montgomery County completed a review of the crash data for a three (3) year period from 2015 through 2017 as part of the Safety Review Submission for PennDOT. This analysis identified four (4) angle crashes in 2016 and 2017 related to improper/careless in the vicinity of the west Ridge Pike entrance of the Whitemarsh Shopping Center.

The last attachment includes a location map and site photos using Google Earth's Nemap Street View application, except for Photo 6. The last photo was taken on site on May 3, 2018 and shows two people crossing Ridge Pike at the unsignalized east entrance of the Whitemarsh Shopping Center.

**DRAFT FOR DISCUSSION**  
**Application for**  
**Traffic Signal Approval**



Please Type or Print all information in Blue or Black Ink

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

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

Municipal Contact's Name : Richard L. Mellor, Jr., ICMA-CM Title : Township Manager  
Municipal Name : Whitemarsh Township  
Municipal Address : 616 Germantown Pike, Lafayette Hill, PA 19444  
Municipal Phone Number : 610-825-3535 Alternative Phone Number : 484-594-2601  
E-mail Address : Whitemarsh Township  
Municipal Hours of Operation : Monday - Friday, 8:30 a.m. - 4:30 p.m.

**B - Application Description**

Location (*intersection*) : Ridge Pike at the Whitemarsh Shopping Center (East Entrance) between Butler Pike and Spring Mill Road

Traffic Control Device is :  NEW Traffic Signal  EXISTING Traffic Signal (Permit Number) : \_\_\_\_\_

Type of Device (*select one*)  Traffic Control Signal (MUTCD Section 4D, 4E, 4G)  Flashing Beacon (MUTCD Section 4L)  School Warning System (MUTCD Section 7B)  
 Other : \_\_\_\_\_

Is Traffic Signal part of a system? :  YES  NO System Number (*if applicable*) : \_\_\_\_\_

If YES, provide locations of all signalized intersections in system.

Explain the proposed improvements :

A proposed traffic signal at the east Ridge Pike entrance of the Whitemarsh Shopping Center. The proposed improvements include left turn restrictions at the west entrance to the Shopping Center to improve safety and add a pedestrian crossing at the new traffic signal at the east entrance of the Whitemarsh Shopping Center (also a SEPTA Route 27 bus stop).

Associated with Highway Occupancy Permit (HOP)? :  YES  NO If YES, HOP Application # : \_\_\_\_\_

**C - Maintenance and Operation Information**

Maintenance and Operations are typically performed by? :

Municipal Personnel  Municipal Contractor  Municipal Personnel & Contractor  
 Other : \_\_\_\_\_

Maintenance and Operations Contact Name : \_\_\_\_\_ Company/Organization : \_\_\_\_\_

Phone # : \_\_\_\_\_ Alternative Phone # : \_\_\_\_\_ E-mail : \_\_\_\_\_

**D - Attachments Listing**

<input checked="" type="checkbox"/> Municipal Resolution ( <i>required</i> )	<input checked="" type="checkbox"/> Location Map	<input checked="" type="checkbox"/> Traffic Volumes / Pedestrian Volumes
<input checked="" type="checkbox"/> Letter of Financial Commitment	<input checked="" type="checkbox"/> Photographs	<input checked="" type="checkbox"/> Turn Lane Analysis
<input type="checkbox"/> Traffic Signal Permit	<input type="checkbox"/> Straight Line Diagram	<input type="checkbox"/> Turn Restriction Studies
<input checked="" type="checkbox"/> Warrant Analysis	<input checked="" type="checkbox"/> Capacity Analysis	<input type="checkbox"/> Other : _____
<input checked="" type="checkbox"/> Crash Analysis	<input type="checkbox"/> Traffic Impact Study (TIS)	
<input type="checkbox"/> Traffic Signal Study	<input type="checkbox"/> Condition Diagram	

# Application for Traffic Signal Approval



Please Type or Print all information in Blue or Black Ink

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 :** Richard L. Mellor, Jr., ICMA-CM **Date :** 9/30/20

**Signed By :** \_\_\_\_\_ **Witness or Attest :** \_\_\_\_\_

**Title of Signatory :** Township Manager **Title of Witness or Attester:** \_\_\_\_\_



**Exhibit "B":  
Recordkeeping**



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**

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

**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.

**Traffic Engineer** - 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.
2. 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.

**Signal Specialist** - 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.
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**

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.
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)

**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

**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.



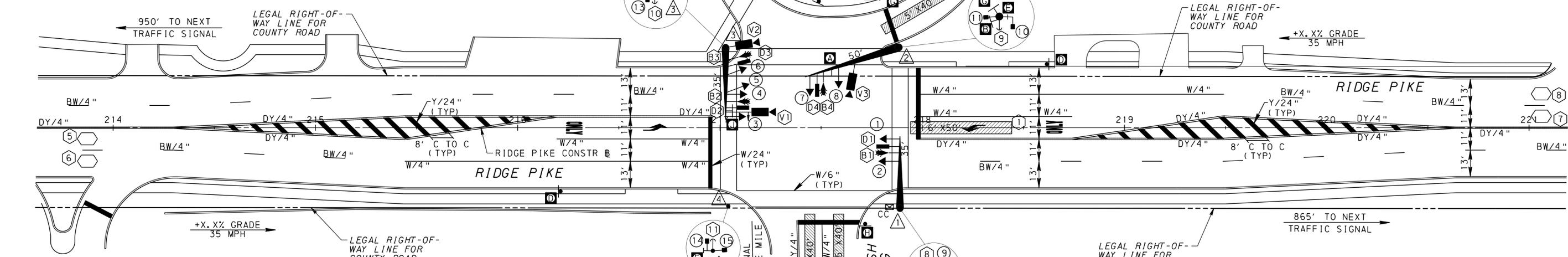
OPERATOR: \$\$\$USERNAME\$\$\$ FILE NAME: \$\$\$FILE\$\$\$  
 D-9012 CADD (02-90) REVISED (10-04) PLOTTED: 7/10/2020

MOVEMENT, SEQUENCE, AND TIMING DIAGRAM

PHASE	2+5				2+6				4				8				FLASHING
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1,2	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	Y
3	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	Y
4	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	Y
5,6	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R
7,8	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R
9,10,13,14	M	FH	H	H	M	FH	H	H	H	H	H	H	H	H	H	H	OFF
11,12	H	H	H	H	H	H	H	H	M	FH	H	H	H	H	H	H	OFF
15,16	H	H	H	H	H	H	H	H	H	H	H	H	M	FH	H	H	OFF

OPERATION NOTES:

- ① G IF FOLLOWED BY PHASE 2+6.
- ② G IF FOLLOWED BY PHASE 2+6.
- ⊗ REFERENCE SYSTEM PERMIT #XXX-XXX FOR MAX TIMES AND OFFSETS DETERMINED BY THE CLOSED LOOP SYSTEM.



**SIGNAL LEGEND**

- ▲ 25' PROPOSED MAST ARM/LENGTH/SUPPORT NUMBER
- ▲ PROPOSED PEDESTAL/SUPPORT NUMBER
- ➔ ① PROPOSED VEHICULAR SIGNAL HEAD/ID NUMBER
- ➔ ① PROPOSED PEDESTRIAN SIGNAL HEAD/ID NUMBER
- ➔ V1 NEW VIDEO CAMERA/ID LABEL
- ➔ A PROPOSED SIGN SUPPORT/ID LETTER
- ➔ A ③ PROPOSED PEDESTRIAN PUSH BUTTON, SIGN/ID LABEL
- ➔ B1 PROPOSED EMERGENCY PREEMPTION FLASHING BEACON/ID LABEL
- ➔ D1 PROPOSED EMERGENCY PREEMPTION DETECTOR/ID LABEL
- ➔ 6' X 6' ① VIDEO DETECTION ZONE/ID NUMBER
- ⊗ CC PROPOSED CONTROLLER ASSEMBLY

**PAVEMENT MARKING LEGEND**

- W/4" SOLID WHITE LINE/WIDTH
- BW/4" BROKEN WHITE LINE/WIDTH
- DY/4" SOLID DOUBLE YELLOW LINE/WIDTH

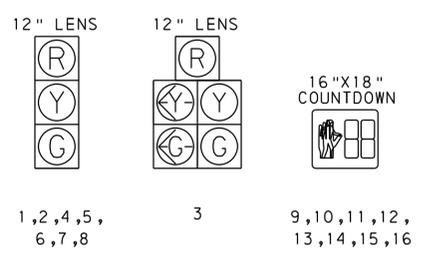
PROGRAM CHART

EVENT NO.	DAY OF WEEK							CYCLE (SEC.)	OFFSET (SEC. #)	REMARKS
	M	T	W	T	F	S	S			
1	X	X	X	X	X	X	XX	XX	XX	XXXX X
2	X	X	X	X	X	X	XX	XX	XX	XXXX X
3	X	X	X	X	X	X	XX	XX	XX	XXXX X
4	X	X	X	X	X	X	XX	XX	XX	XXXX X
5	X	X	X	X	X	X	XX	XX	XX	XXXX X

- \* OFFSET REFERENCED TO START OF YELLOW, PHASE 2+6, INTERVAL 7.
- NOTES:
- 1. INTERSECTION TO BE PART OF A CLOSED LOOP SIGNAL SYSTEM.
- 2. OFFSETS REFERENCED TO START OF YELLOW PHASE X AT THE INTERSECTION OF XXXX & XXXX.
- 3. PROGRAMS TO BE SELECTED BY CLOSED LOOP SYSTEM OR TIME BASED COORDINATION (TBC) BACK-UP.
- 4. SYSTEM LIMITS: RIDGE PIKE; FROM BUTLER PIKE TO CRESCENT AVENUE.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	MONTGOMERY	RIDGE PIKE	-	1 OF 2
WHITEMARSH TOWNSHIP				
PERMIT NO.	XX-XXX-XX	SHEET	1	OF 2
DATE ISSUED	XX-XX-XX	DATE REVISED		

SIGNAL INDICATIONS



NOTE: ALL VEHICULAR SIGNALS SHALL HAVE BACKPLATES.

**SIGN TABULATION**

PLAN SYMBOL	SERIES	SIZE	DESCRIPTION
A	D3-4	XX"X16"	Ridge Pike
B	R5-1	30"X30"	DO NOT ENTER
C	R10-6AL	24"X30"	STOP HERE ON RED
D	R3-7L	36"X36"	LEFT LANE MUST TURN LEFT
E	R10-3E	9"X15"	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER
F	R10-3E	9"X15"	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER
G	R9-3	18"X18"	NO PEDESTRIAN CROSSING
H	R3-7R	36"X36"	RIGHT LANE MUST TURN RIGHT
J	R10-12	30"X36"	LEFT TURN YIELD ON GREEN
K	R6-1L	36"X12"	HORIZONTAL LEFT ONE-WAY SIGN

PREPARED BY: **RK&K**

**PRELIMINARY SIGNAL PLAN**  
**JULY 10, 2020**

COUNTY: MONTGOMERY  
 MUNICIPALITY: WHITEMARSH TWP.  
 INTERSECTION: RIDGE PIKE & WHITEMARSH SHOPPING CENTER/SENIOR CENTER

REVIEWED: \_\_\_\_\_ DATE \_\_\_\_\_  
 MUNICIPAL OFFICIAL

REVIEWED: \_\_\_\_\_ DATE \_\_\_\_\_  
 DISTRICT TRAFFIC SIGNALS DIV.

RECOMMENDED: \_\_\_\_\_ DATE \_\_\_\_\_  
 DISTRICT TRAFFIC ENGINEER

SCALE: 0 25 50 FEET

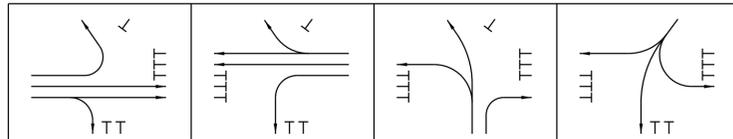
7/10/2020

PLOTTED:

D-9012 CADD (02-90) REVISED (10-04)

OPERATOR: \$\$\$USERNAME\$\$\$  
FILE NAME: \$\$\$FILE\$\$\$

# EMERGENCY PRE-EMPTION PHASING MOVEMENT, SEQUENCE, AND TIMING DIAGRAM



PHASE	2			6			4			8		
SIGNALS	17	18	19	20	21	22	23	24	25	26	27	28
1,2	G	Y	R	R	R	R	R	R	R	R	R	R
3	R	R	R	G	Y	R	R	R	R	R	R	R
4	R	R	R	R	R	R	R	R	R	R	R	R
5,6	R	R	R	R	R	R	R	R	R	G	Y	R
7,8	R	R	R	R	R	R	G	Y	R	R	R	R
9,10,13,14	H	H	H	H	H	H	H	H	H	H	H	H
11,12	H	H	H	H	H	H	H	H	H	H	H	H
15,16	H	H	H	H	H	H	H	H	H	H	H	H
FIXED	▲	X	X	▲	X	X	▲	X	X	▲	X	X

- ▲ FOR DURATION OF PRE-EMPTION
- ⊙ WHEN RETURNING TO PHASE 2+6.
- ⊙ G WHEN RETURNING TO PHASE 2+6.

## EMERGENCY PRE-EMPTION NOTES:

- NOTE: IF PRE-EMPTION EQUIPMENT HAS ENCODING CAPABILITIES FOR VEHICLE IDENTIFICATION, IT IS RECOMMENDED TO HAVE THE ZERO "00" FEATURE ON, TO GIVE UNCODED EMITTERS THE ABILITY TO ACTIVATE THE EMERGENCY PRE-EMPTION.
- CONTROLLER TO BE EQUIPPED WITH EMERGENCY PRE-EMPTION FOR ALL APPROACHES TO THE INTERSECTION WITH A FAIL SAFE DEVICE FOR EACH DIRECTION OF OPERATION.
  - THIS EMERGENCY BEACON SHALL CONSIST OF A FLASHING WHITE FLOOD LIGHT AND SHALL FLASH WHEN THE EMERGENCY VEHICLE HAS CONTROL OF THE INTERSECTION FOR THE APPROPRIATE APPROACH. LOCATION OF EMERGENCY VEHICLE DETECTORS ARE TO BE FIELD ADJUSTED TO ACHIEVE MAXIMUM OPERATION.
  - THE SIGNALS, WHEN ACTIVATED BY EMERGENCY VEHICLES, SHALL TERMINATE ALL INDICATIONS, EXCEPT THE GREEN INDICATIONS FOR THE PHASE GOVERNED BY THE APPROACHING EMERGENCY VEHICLE, FOLLOWED BY SELECTIVE CLEARANCES DEPENDENT UPON THE PHASE IN WHICH THE PRE-EMPTION OCCURS. THE GREEN INDICATIONS FOR THE PRE-EMPTED PHASE SHALL REMAIN GREEN FOR THE DURATION OF SIGNALS PRE-EMPTION AND RED INDICATIONS DISPLAYED FOR ALL OTHER PHASES.
  - THE SIGNALS, WHEN ACTIVATED BY AN EMERGENCY VEHICLE, SHALL TIME OUT ALL YELLOW AND RED INDICATIONS, FOLLOWED BY THE GREEN INTERVAL OF THE PRE-EMPTION PHASE GOVERNED BY THE ACTUATION OF THE APPROACHING EMERGENCY VEHICLE.
  - IF THE SIGNALS, WHEN ACTIVATED BY AN EMERGENCY VEHICLE, ARE FLASHING, ALL SIGNALS SHALL REMAIN FLASHING.
  - IF ADDITIONAL PRE-EMPTION PHASES ARE ACTIVATED WHILE IN PRE-EMPTION, THE ORIGINAL PRE-EMPTION PHASE SHALL TIME OUT BEFORE PROCEEDING TO THE NEXT PRE-EMPTION PHASE.
  - UPON COMPLETION OF PRE-EMPTION PHASE 2,4,6, OR 8 IN RETURNING TO NORMAL OPERATION, PHASE 2+6 INTERVAL 1 SHALL FOLLOW.
  - IN EMERGENCY PRE-EMPTION, NO PRIORITY SHALL BE ESTABLISHED. PRE-EMPTION SHALL BE A "FIRST COME, FIRST SERVE" OPERATION.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	MONTGOMERY	RIDGE PIKE	-	2 OF 2
WHITEMARSH TOWNSHIP				
PERMIT NO.	XX-XXX-XX	SHEET	2 OF 2	
DATE ISSUED	XX-XX-XX	DATE REVISED		

## GENERAL NOTES

- POST MOUNTED SIGNALS SHALL BE INSTALLED WITH THE SIGNAL HEADS A MINIMUM OF 2 FEET BEHIND THE FACE OF CURB OR THE EDGE OF THE SHOULDER. SUPPORT POLES FOR OVERHEAD SIGNALS SHALL ALSO HAVE A MINIMUM HORIZONTAL CLEARANCE OF 2 FEET.
- INSTALL SIGNAL HEADS AND SIGNS ERECTED OVER THE ROADWAY WITH THE BOTTOMS NOT LESS THAN 16 FEET. INSTALL POST MOUNTED SIGNAL HEADS WITH BOTTOMS NOT LESS THAN 8 FEET OVER THE PAVEMENT GRADE.
- INSTALL SIGNAL HEADS WITH A MINIMUM HORIZONTAL DISTANCE OF 8 FEET BETWEEN THE HEADS AS MEASURED AT RIGHT ANGLES TO THE APPROACH. RIGIDLY MOUNT TOP AND BOTTOM AND EQUIP WITH BACKPLATES.
- DETERMINE THE EXACT LOCATION OF TRAFFIC SIGNAL SUPPORTS AND DETECTORS WITH A PENNDOT REPRESENTATIVE PRIOR TO INSTALLATION.
- PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING PENNDOT PUBLICATIONS:  
PUB 408/2016, SPECIFICATIONS  
PUB 148, TRAFFIC STANDARDS - SIGNALS  
PUB 149, TRAFFIC SIGNAL DESIGN HANDBOOK  
PUB 236M, HANDBOOK OF APPROVED SIGNS
- PROVIDE REMOVED EXISTING TRAFFIC SIGNAL EQUIPMENT TO LOWER PROVIDENCE TOWNSHIP, UNLESS OTHERWISE DIRECTED BY THE TOWNSHIP REPRESENTATIVE.
- BORE OR JACK CONDUIT UNDER THE ROADWAY IF INSTALLATION IS IN BITUMINOUS ROADWAY LESS THAN 5 YEARS OLD, OR CONCRETE ROADWAY REGARDLESS OF AGE. INSTALL IN ACCORDANCE WITH TRAFFIC SIGNAL STANDARDS TC-8800 SERIES.
- ALL UNDERGROUND AND OVERHEAD UTILITIES AND TOPOGRAPHICAL INFORMATION SHOWN ON THIS PLAN ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY CURRENT INFORMATION TO HIS/HER OWN SATISFACTION. THREE WORKING DAYS PRIOR TO ANY EXCAVATION ACTIVITIES, THE CONTRACTOR SHALL CALL THE PA ONE-CALL SYSTEM INC, AT 1-800-242-1776, FOR SERIAL NUMBER INFORMATION AND UTILITY CONTACTS, SEE ROADWAY CONSTRUCTION PLANS. ALL DAMAGES INCURRED TO EXISTING UTILITIES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR FOR NO ADDITIONAL PAYMENT.
- COMPLY WITH THE PROVISIONS OF ACT 287, AS AMENDED, PREVENTION OF DAMAGE TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, CONSULT WITH LOCAL OFFICIALS AND UTILITY COMPANIES TO RESOLVE ANY PROBLEMS WHICH MAY BE CREATED DUE TO THE LOCATION OF UTILITIES.
- TRAFFIC SIGNAL EASEMENT IS USED FOR THE CONSTRUCTION, INSPECTION, OPERATION, MAINTENANCE, REPAIR, RECONSTRUCTION, AND ALTERATION OF A TRAFFIC SIGNAL AND APPURTENANCE THERETO. THE EASEMENT SHALL NOT PREVENT THE PROPERTY OWNER FROM MAKING ANY LEGAL USE OF THE AREA WHICH IS NOT DETRIMENTAL TO ITS USE FOR TRAFFIC SIGNAL PURPOSES.

PREPARED BY:  
**RK&K**

**PRELIMINARY  
SIGNAL PLAN  
JULY 10, 2020**

COUNTY: MONTGOMERY

MUNICIPALITY: WHITEMARSH TWP.

INTERSECTION:  
RIDGE PIKE & WHITEMARSH SHOPPING CENTER/SENIOR CENTER

---

REVIEWED: \_\_\_\_\_ DATE \_\_\_\_\_

MUNICIPAL OFFICIAL

---

REVIEWED: \_\_\_\_\_ DATE \_\_\_\_\_

DISTRICT TRAFFIC SIGNALS DIV.

---

RECOMMENDED: \_\_\_\_\_ DATE \_\_\_\_\_

DISTRICT TRAFFIC ENGINEER

---

SCALE: 0 25 50 FEET

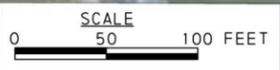
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**LEGEND**

-  LEGAL RIGHT OF WAY
-  PROPOSED WIDENING
-  PROPOSED SIDEWALK
-  PROPOSED ROAD EDGE/CURB LINE
-  SEPTA BUS STOPS

ROUTE #  
 WEEKDAY ONS/OFFS



**STUDY AND ANALYSIS INFORMATION**

Municipality: Whitemarsh Township  
 County: Montgomery County  
 PennDOT Engineering District: 6

Analysis Date: 11/20/2018  
 Conducted By: JBS  
 Agency/Company Name: BSA

**Analysis Information**

Data Collection Date: 11/8/2018  
 Day of the Week: Thursday

Is the intersection in a built-up area of an isolated community of <10,000 population? No

**Major Street Information**

Major Street Name and Route Number: Ridge Pike (Montgomery County Road)  
 Major Street Approach #1 Direction: E-Bound  
 Major Street Approach #2 Direction: W-Bound

Number of Lanes for Moving Traffic on Each Major Street Approach: 2 LANE(S)  
 Speed Limit or 85th Percentile Speed on the Major Street: 35 MPH

**Minor Street Information**

Minor Street Name and Route Number: Whitemarsh Plaza East Driveway/Whitemarsh Senior Village Driveway  
 Minor Street Approach #1 Direction: N-Bound  
 Minor Street Approach #2 Direction: S-Bound

Number of Lanes for Moving Traffic on Each Minor Street Approach: 2 LANE(S)

**TRAFFIC SIGNAL WARRANT ANALYSIS FINDINGS**

	Applicable?	Warrant Met?
Warrant 1, Eight-Hour Vehicular Volume	Yes	Yes
Warrant 2, Four-Hour Vehicular Volume	Yes	Yes
Warrant 3, Peak Hour	No	N/A
Warrant 4, Pedestrian Volume	No	N/A
Warrant 5, School Crossing	No	N/A
Warrant 6, Coordinated Signal System	No	N/A
Warrant 7, Crash Experience	No	N/A
Warrant 8, Roadway Network	No	N/A
Warrant 9, Intersection Near a Grade Crossing	No	N/A
Warrant PA-1, ADT Volume Warrant	No	N/A
Warrant PA-2, Midblock and Trail Crossings	No	N/A

Signal Warrant Analysis with  
 Left Turn Lane Prohibition at  
 West Shopping Center Driveway  
 Entrance (Diverted to East  
 Entrance)

ENTER VOLUME DATA PER 15 MINUTE INTERVAL, PER APPROACH						
Time Interval		Major Street Approach #1 (E-Bound)	Major Street Approach #2 (W-Bound)	Major Street Combined	Minor Street Approach #1 (N-Bound)	Minor Street Approach #2 (S-Bound)
Begin At	End Of	Volume	Volume	Total Volume	Volume	Volume
12:00 AM	12:14 AM			0		
12:15 AM	12:29 AM			0		
12:30 AM	12:44 AM			0		
12:45 AM	12:59 AM			0		
1:00 AM	1:14 AM			0		
1:15 AM	1:29 AM			0		
1:30 AM	1:44 AM			0		
1:45 AM	1:59 AM			0		
2:00 AM	2:14 AM			0		
2:15 AM	2:29 AM			0		
2:30 AM	2:44 AM			0		
2:45 AM	2:59 AM			0		
3:00 AM	3:14 AM			0		
3:15 AM	3:29 AM			0		
3:30 AM	3:44 AM			0		
3:45 AM	3:59 AM			0		
4:00 AM	4:14 AM			0		
4:15 AM	4:29 AM			0		
4:30 AM	4:44 AM			0		
4:45 AM	4:59 AM			0		
5:00 AM	5:14 AM			0		
5:15 AM	5:29 AM			0		
5:30 AM	5:44 AM			0		
5:45 AM	5:59 AM			0		
6:00 AM	6:14 AM	87	110	197	1	0
6:15 AM	6:29 AM	124	160	284	2	1
6:30 AM	6:44 AM	184	274	458	3	0
6:45 AM	6:59 AM	184	324	508	4	1
7:00 AM	7:14 AM	216	368	584	10	1
7:15 AM	7:29 AM	204	397	601	14	1
7:30 AM	7:44 AM	192	411	603	8	2
7:45 AM	7:59 AM	186	410	596	8	0
8:00 AM	8:14 AM	157	410	567	13	1
8:15 AM	8:29 AM	170	375	545	8	2
8:30 AM	8:44 AM	185	399	584	10	0
8:45 AM	8:59 AM	174	440	614	9	1
9:00 AM	9:14 AM	168	388	556	13	3
9:15 AM	9:29 AM	212	292	504	18	1
9:30 AM	9:44 AM	184	327	511	15	4
9:45 AM	9:59 AM	186	263	449	19	2
10:00 AM	10:14 AM	190	192	382	20	1
10:15 AM	10:29 AM	162	210	372	16	4
10:30 AM	10:44 AM	191	210	401	17	2
10:45 AM	10:59 AM	194	216	410	24	5
11:00 AM	11:14 AM	183	191	374	20	2
11:15 AM	11:29 AM	220	197	417	20	3
11:30 AM	11:44 AM	212	209	421	33	3
11:45 AM	11:59 AM	206	212	418	25	2

# Traffic Signal Warrant Analysis Workbook

7/25/2019

ENTER VOLUME DATA PER 15 MINUTE INTERVAL, PER APPROACH						
Time Interval		Major Street Approach #1 (E-Bound)	Major Street Approach #2 (W-Bound)	Major Street Combined	Minor Street Approach #1 (N-Bound)	Minor Street Approach #2 (S-Bound)
Begin At	End Of	Volume	Volume	Total Volume	Volume	Volume
12:00 PM	12:14 PM	228	218	446	29	1
12:15 PM	12:29 PM	202	254	456	44	0
12:30 PM	12:44 PM	201	250	451	52	2
12:45 PM	12:59 PM	213	249	462	33	5
1:00 PM	1:14 PM	222	204	426	45	3
1:15 PM	1:29 PM	220	230	450	29	5
1:30 PM	1:44 PM	226	243	469	55	2
1:45 PM	1:59 PM	193	242	435	25	2
2:00 PM	2:14 PM	222	202	424	36	4
2:15 PM	2:29 PM	219	228	447	35	3
2:30 PM	2:44 PM	260	251	511	26	2
2:45 PM	2:59 PM	243	238	481	35	4
3:00 PM	3:14 PM	258	243	501	35	3
3:15 PM	3:29 PM	261	265	526	36	3
3:30 PM	3:44 PM	280	283	563	29	1
3:45 PM	3:59 PM	289	277	566	30	2
4:00 PM	4:14 PM	294	287	581	20	0
4:15 PM	4:29 PM	250	316	566	28	0
4:30 PM	4:44 PM	288	358	646	37	0
4:45 PM	4:59 PM	282	334	616	30	0
5:00 PM	5:14 PM	280	323	603	26	1
5:15 PM	5:29 PM	266	334	600	39	1
5:30 PM	5:44 PM	239	321	560	26	1
5:45 PM	5:59 PM	249	267	516	27	0
6:00 PM	6:14 PM	238	289	527	21	1
6:15 PM	6:29 PM	249	272	521	17	0
6:30 PM	6:44 PM	266	250	516	30	1
6:45 PM	6:59 PM	281	197	478	33	0
7:00 PM	7:14 PM	261	209	470	25	1
7:15 PM	7:29 PM	251	192	443	31	0
7:30 PM	7:44 PM	232	139	371	35	0
7:45 PM	7:59 PM	200	119	319	22	0
8:00 PM	8:14 PM			0		
8:15 PM	8:29 PM			0		
8:30 PM	8:44 PM			0		
8:45 PM	8:59 PM			0		
9:00 PM	9:14 PM			0		
9:15 PM	9:29 PM			0		
9:30 PM	9:44 PM			0		
9:45 PM	9:59 PM			0		
10:00 PM	10:14 PM			0		
10:15 PM	10:29 PM			0		
10:30 PM	10:44 PM			0		
10:45 PM	10:59 PM			0		
11:00 PM	11:14 PM			0		
11:15 PM	11:29 PM			0		
11:30 PM	11:44 PM			0		
11:45 PM	11:59 PM			0		
Approach Totals:		12234	15069	27303	1351	90

**MUTCD WARRANT 1, EIGHT-HOUR VEHICULAR VOLUME**

Number of Lanes for Moving Traffic on Each Approach	
Major Street:	2 or More Lanes
Minor Street:	2 or More Lanes

Built-up Isolated Community With Less Than 10,000 Population or Above 40 MPH on Major Street?	No
---	----

Combination of Conditions A and B Necessary?\*: No

*\*Only applicable for Warrant 1 if after an adequate trial of other alternatives that could cause less delay and inconvenience to traffic has failed to solve the traffic problems. See Section 4C.02 of the 2009 MUTCD for application.*

Condition A - Minimum Vehicular Volume									
Number of lanes for moving traffic on each approach		Vehicles per hour on major street (total of both approaches)				Vehicles per hour on higher-volume minor street approach (one direction only)			
Major Street	Minor Street	100%	80%	70%	56%	100%	80%	70%	56%
1	1	500	400	350	280	150	120	105	84
2 or More	1	600	480	420	336	150	120	105	84
2 or More	2 or More	600	480	420	336	200	160	140	112
1	2 or More	500	400	350	280	200	160	140	112

Condition B - Interruption of Continuous Traffic									
Number of lanes for moving traffic on each approach		Vehicles per hour on major street (total of both approaches)				Vehicles per hour on higher-volume minor street approach (one direction only)			
Major Street	Minor Street	100%	80%	70%	56%	100%	80%	70%	56%
1	1	750	600	525	420	75	60	53	42
2 or More	1	900	720	630	504	75	60	53	42
2 or More	2 or More	900	720	630	504	100	80	70	56
1	2 or More	750	600	525	420	100	80	70	56

**Condition A Evaluation**

Number of Unique Hours Met: 0 Condition A Satisfied? No

**Condition B Evaluation**

Number of Unique Hours Met: 8 Condition B Satisfied? Yes

**Combination of Condition A and Condition B Evaluation**

Number of Unique Hours Met for Condition A: N/A

Number of Unique Hours Met for Condition B: N/A

Combination of Condition A and Condition B Satisfied? N/A

**MUTCD WARRANT 2, FOUR-HOUR VEHICULAR VOLUME**

Number of Lanes for Moving Traffic on Each Approach	
Major Street:	2 or More Lanes
Minor Street:	2 or More Lanes

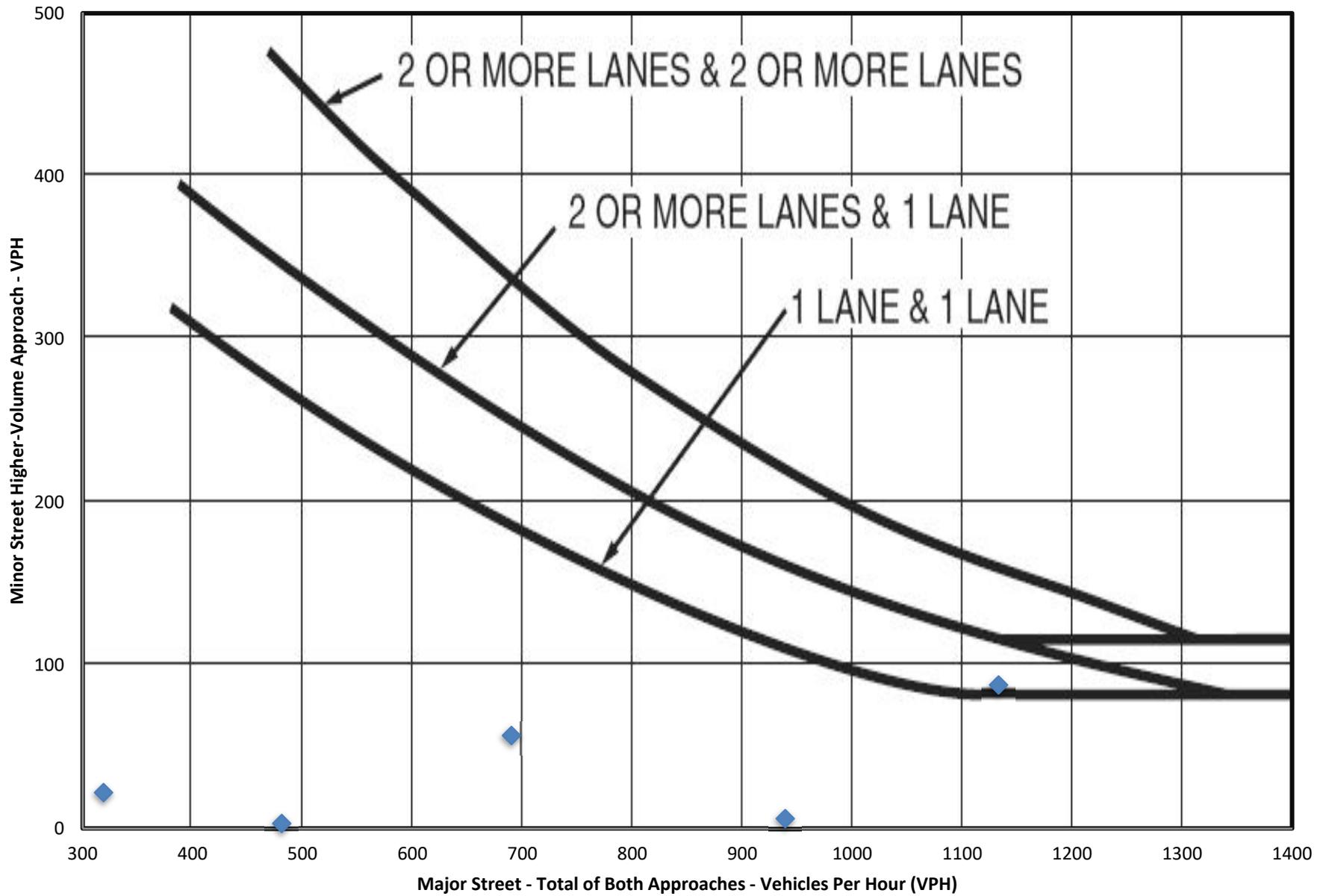
Total Number of Unique Hours Met On Figure 4C-1
<b>7</b>

Built-up Isolated Community With Less Than 10,000 Population or Above 40 MPH on Major Street?	No
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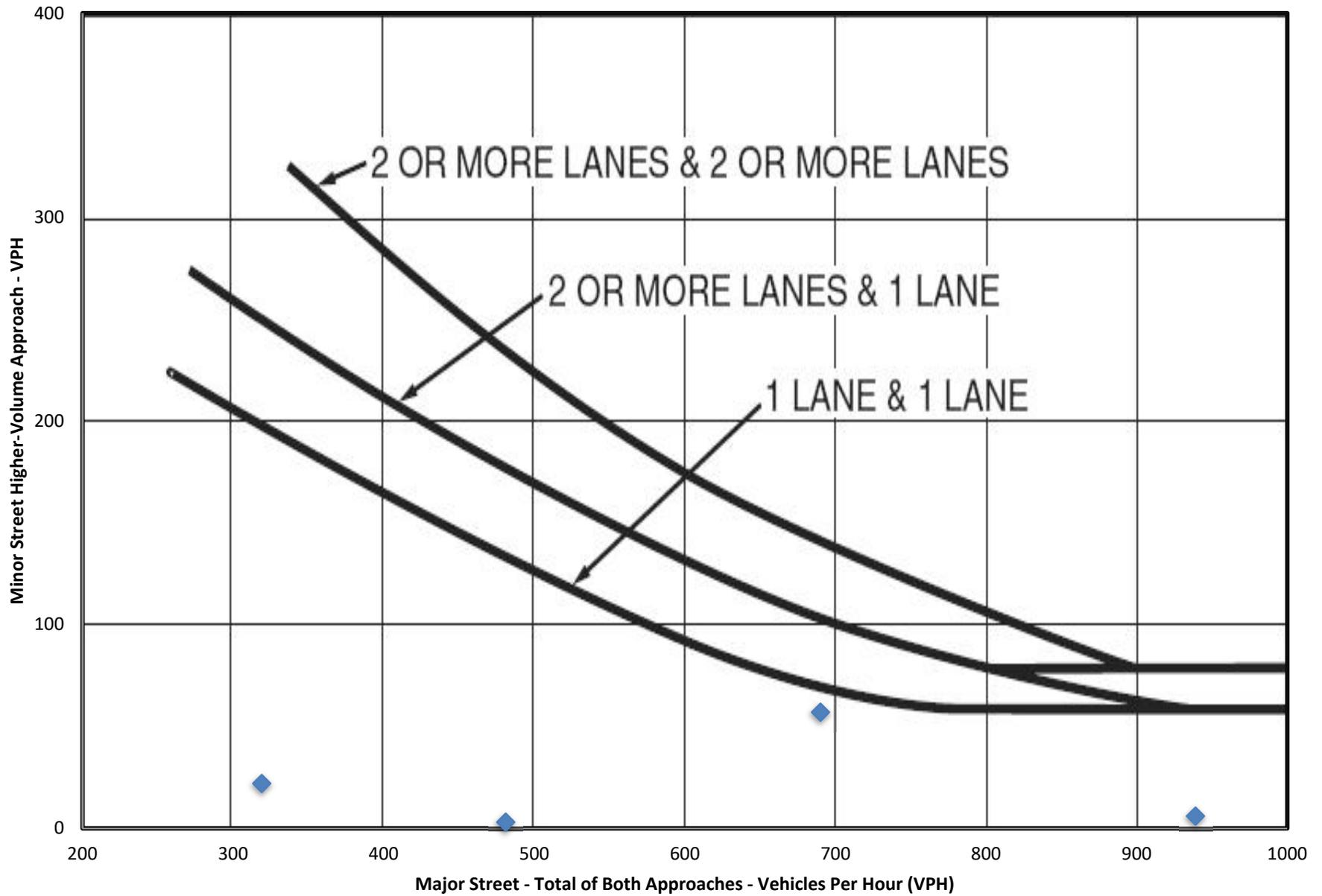
Hourly Vehicular Volume			
Hour Interval	Major Street Combined	Highest Minor Street Approach	Hour Met?
Beginning At	Vehicles Per Hour (VPH)	Vehicles Per Hour (VPH)	
12:00 AM	0	0	
12:15 AM	0	0	
12:30 AM	0	0	
12:45 AM	0	0	
1:00 AM	0	0	
1:15 AM	0	0	
1:30 AM	0	0	
1:45 AM	0	0	
2:00 AM	0	0	
2:15 AM	0	0	
2:30 AM	0	0	
2:45 AM	0	0	
3:00 AM	0	0	
3:15 AM	0	0	
3:30 AM	0	0	
3:45 AM	0	0	
4:00 AM	0	0	
4:15 AM	0	0	
4:30 AM	0	0	
4:45 AM	0	0	
5:00 AM	0	0	
5:15 AM	197	1	
5:30 AM	481	3	
5:45 AM	939	6	
6:00 AM	1447	10	
6:15 AM	1834	19	
6:30 AM	2151	31	
6:45 AM	2296	36	
7:00 AM	2384	40	
7:15 AM	2367	43	
7:30 AM	2311	37	
7:45 AM	2292	39	
8:00 AM	2310	40	
8:15 AM	2299	40	
8:30 AM	2258	50	
8:45 AM	2185	55	
9:00 AM	2020	65	
9:15 AM	1846	72	
9:30 AM	1714	70	
9:45 AM	1604	72	
10:00 AM	1565	77	
10:15 AM	1557	77	
10:30 AM	1602	81	
10:45 AM	1622	97	
11:00 AM	1630	98	
11:15 AM	1702	107	
11:30 AM	1741	131	Met
11:45 AM	1771	150	Met

Hourly Vehicular Volume			
Hour Interval	Major Street Combined	Highest Minor Street Approach	Hour Met?
Beginning At	Vehicles Per Hour (VPH)	Vehicles Per Hour (VPH)	
12:00 PM	1815	158	Met
12:15 PM	1795	174	Met
12:30 PM	1789	159	Met
12:45 PM	1807	162	Met
1:00 PM	1780	154	Met
1:15 PM	1778	145	Met
1:30 PM	1775	151	Met
1:45 PM	1817	122	Met
2:00 PM	1863	132	Met
2:15 PM	1940	131	Met
2:30 PM	2019	132	Met
2:45 PM	2071	135	Met
3:00 PM	2156	130	Met
3:15 PM	2236	115	Met
3:30 PM	2276	107	
3:45 PM	2359	115	Met
4:00 PM	2409	115	Met
4:15 PM	2431	121	Met
4:30 PM	2465	132	Met
4:45 PM	2379	121	Met
5:00 PM	2279	118	Met
5:15 PM	2203	113	
5:30 PM	2124	91	
5:45 PM	2080	95	
6:00 PM	2042	101	
6:15 PM	1985	105	
6:30 PM	1907	119	Met
6:45 PM	1762	124	Met
7:00 PM	1603	113	
7:15 PM	1133	88	
7:30 PM	690	57	
7:45 PM	319	22	
8:00 PM	0	0	
8:15 PM	0	0	
8:30 PM	0	0	
8:45 PM	0	0	
9:00 PM	0	0	
9:15 PM	0	0	
9:30 PM	0	0	
9:45 PM	0	0	
10:00 PM	0	0	
10:15 PM	0	0	
10:30 PM	0	0	
10:45 PM	0	0	
11:00 PM	0	0	

MUTCD Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume



MUTCD Figure 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor)



**MUTCD WARRANT 3, PEAK HOUR**

Number of Lanes for Moving Traffic on Each Approach	
Major Street:	2 or More Lanes
Minor Street:	2 or More Lanes

Built-up Isolated Community With Less Than 10,000 Population or Above 40 MPH on Major Street?	No
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Is this signal warrant being applied for an unusual case, such as office complexes, manufacturing plants, industrial complexes, or high-occupancy vehicle facilities that attract or discharge large numbers of vehicles over a short time?	Yes
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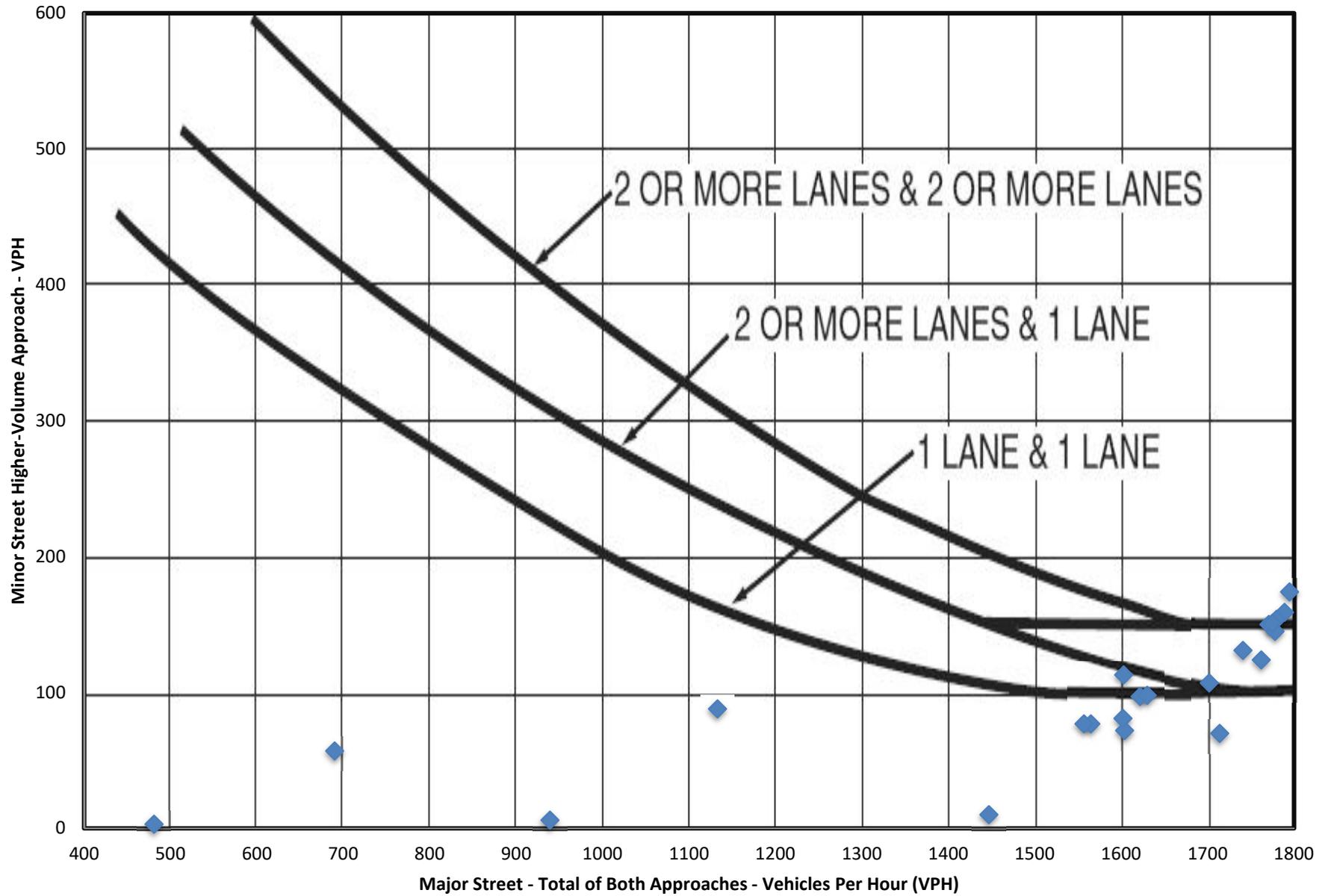
Indicate whether all three of the following conditions for the same 1 hour (any four consecutive 15-minute periods) of an average day are present*	
Does the total stopped time delay experienced by the traffic on one minor-street approach (one direction only) controlled by a STOP sign equal or exceed 4 vehicle-hours for a one-lane approach or 5 vehicle-hours for a two-lane approach?	N/A
Does the volume on the same minor-street approach (one direction only) equal or exceed 100 vehicles per hour for one moving lane of traffic or 150 vehicles per hour for two moving lanes?	N/A
Does the total entering volume serviced during the hour equal or exceed 650 vehicles per hour for intersection with three approaches or 800 vehicles per hour for intersections with four or more approaches?	N/A
<i>*If applicable, attach all supporting calculations and documentation.</i>	

Total Number of Unique Hours Met On Figure 4C-3
<b>2</b>

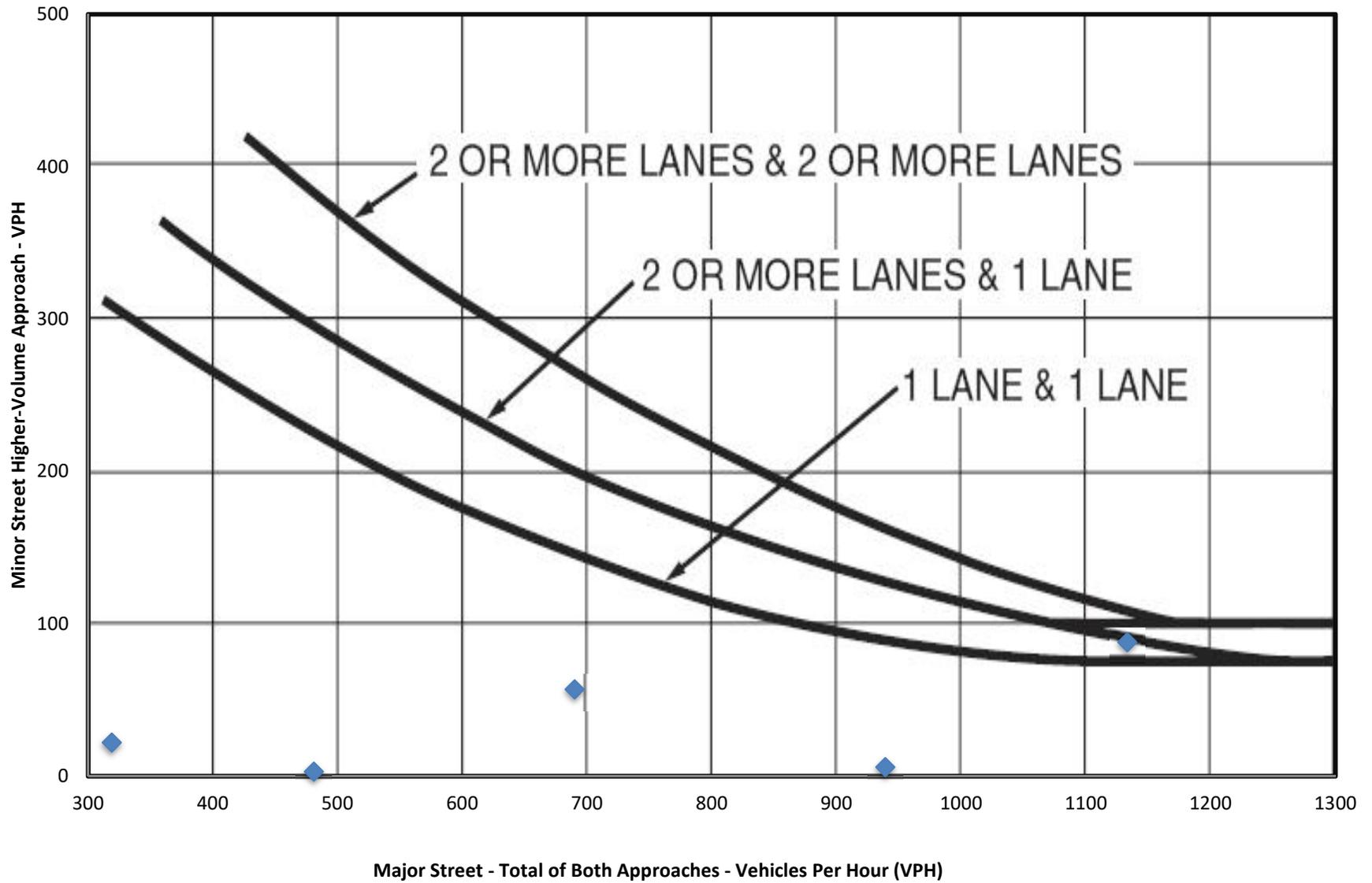
Hourly Vehicular Volume			
Hour Interval	Major Street Combined	Highest Minor Street Approach	Hour Met?
Beginning At	Vehicles Per Hour (VPH)	Vehicles Per Hour (VPH)	
12:00 AM	0	0	
12:15 AM	0	0	
12:30 AM	0	0	
12:45 AM	0	0	
1:00 AM	0	0	
1:15 AM	0	0	
1:30 AM	0	0	
1:45 AM	0	0	
2:00 AM	0	0	
2:15 AM	0	0	
2:30 AM	0	0	
2:45 AM	0	0	
3:00 AM	0	0	
3:15 AM	0	0	
3:30 AM	0	0	
3:45 AM	0	0	
4:00 AM	0	0	
4:15 AM	0	0	
4:30 AM	0	0	
4:45 AM	0	0	
5:00 AM	0	0	
5:15 AM	197	1	
5:30 AM	481	3	
5:45 AM	939	6	
6:00 AM	1447	10	
6:15 AM	1834	19	
6:30 AM	2151	31	
6:45 AM	2296	36	
7:00 AM	2384	40	
7:15 AM	2367	43	
7:30 AM	2311	37	
7:45 AM	2292	39	
8:00 AM	2310	40	
8:15 AM	2299	40	

Hourly Vehicular Volume			
Hour Interval	Major Street Combined	Highest Minor Street Approach	Hour Met?
Beginning At	Vehicles Per Hour (VPH)	Vehicles Per Hour (VPH)	
8:30 AM	2258	50	
8:45 AM	2185	55	
9:00 AM	2020	65	
9:15 AM	1846	72	
9:30 AM	1714	70	
9:45 AM	1604	72	
10:00 AM	1565	77	
10:15 AM	1557	77	
10:30 AM	1602	81	
10:45 AM	1622	97	
11:00 AM	1630	98	
11:15 AM	1702	107	
11:30 AM	1741	131	
11:45 AM	1771	150	Met
12:00 PM	1815	158	Met
12:15 PM	1795	174	Met
12:30 PM	1789	159	Met
12:45 PM	1807	162	Met
1:00 PM	1780	154	Met
1:15 PM	1778	145	
1:30 PM	1775	151	Met
1:45 PM	1817	122	
2:00 PM	1863	132	
2:15 PM	1940	131	
2:30 PM	2019	132	
2:45 PM	2071	135	
3:00 PM	2156	130	
3:15 PM	2236	115	
3:30 PM	2276	107	
3:45 PM	2359	115	
4:00 PM	2409	115	
4:15 PM	2431	121	
4:30 PM	2465	132	
4:45 PM	2379	121	
5:00 PM	2279	118	
5:15 PM	2203	113	
5:30 PM	2124	91	
5:45 PM	2080	95	
6:00 PM	2042	101	
6:15 PM	1985	105	
6:30 PM	1907	119	
6:45 PM	1762	124	
7:00 PM	1603	113	
7:15 PM	1133	88	
7:30 PM	690	57	
7:45 PM	319	22	
8:00 PM	0	0	
8:15 PM	0	0	
8:30 PM	0	0	
8:45 PM	0	0	
9:00 PM	0	0	
9:15 PM	0	0	
9:30 PM	0	0	
9:45 PM	0	0	
10:00 PM	0	0	
10:15 PM	0	0	
10:30 PM	0	0	
10:45 PM	0	0	
11:00 PM	0	0	

MUTCD Figure 4C-3. Warrant 3, Peak Hour



MUTCD Figure 4C-4. Warrant 3, Peak Hour (70% Factor)



Ridge Pike Improvement Project  
Whitemarsh Plaza West/East Driveway Traffic Count Merge

DRAFT 11/20/2018

Time Start	Time End	East Driveway Total WB Moves	West Driveway WB Lefts	Sum		East Driveway Total NB Moves	West Driveway NB Lefts	Sum
6:00 AM	6:15 AM	107	3	110		1	0	1
6:15 AM	6:30 AM	155	5	160		0	2	2
6:30 AM	6:45 AM	272	2	274		3	0	3
6:45 AM	7:00 AM	321	3	324		3	1	4
7:00 AM	7:15 AM	365	3	368		9	1	10
7:15 AM	7:30 AM	394	3	397		12	2	14
7:30 AM	7:45 AM	408	3	411		7	1	8
7:45 AM	8:00 AM	407	3	410		6	2	8
8:00 AM	8:15 AM	408	2	410		12	1	13
8:15 AM	8:30 AM	371	4	375		6	2	8
8:30 AM	8:45 AM	398	1	399		9	1	10
8:45 AM	9:00 AM	439	1	440		7	2	9
9:00 AM	9:15 AM	387	1	388		11	2	13
9:15 AM	9:30 AM	290	2	292		12	6	18
9:30 AM	9:45 AM	321	6	327		13	2	15
9:45 AM	10:00 AM	258	5	263		17	2	19
10:00 AM	10:15 AM	190	2	192		14	6	20
10:15 AM	10:30 AM	206	4	210		16	0	16
10:30 AM	10:45 AM	208	2	210		11	6	17
10:45 AM	11:00 AM	214	2	216		18	6	24
11:00 AM	11:15 AM	190	1	191		14	6	20
11:15 AM	11:30 AM	194	3	197		15	5	20
11:30 AM	11:45 AM	206	3	209		23	10	33
11:45 AM	12:00 PM	209	3	212		17	8	25
12:00 PM	12:15 PM	215	3	218		21	8	29
12:15 PM	12:30 PM	249	5	254		34	10	44
12:30 PM	12:45 PM	247	3	250		46	6	52
12:45 PM	1:00 PM	246	3	249		30	3	33
1:00 PM	1:15 PM	204	0	204		34	11	45
1:15 PM	1:30 PM	225	5	230		20	9	29
1:30 PM	1:45 PM	235	8	243		46	9	55
1:45 PM	2:00 PM	236	6	242		18	7	25
2:00 PM	2:15 PM	197	5	202		30	6	36
2:15 PM	2:30 PM	220	8	228		23	12	35
2:30 PM	2:45 PM	248	3	251		18	8	26
2:45 PM	3:00 PM	235	3	238		27	8	35
3:00 PM	3:15 PM	237	6	243		26	9	35
3:15 PM	3:30 PM	264	1	265		29	7	36
3:30 PM	3:45 PM	277	6	283		27	2	29
3:45 PM	4:00 PM	275	2	277		23	7	30
4:00 PM	4:15 PM	286	1	287		16	4	20
4:15 PM	4:30 PM	311	5	316		22	6	28
4:30 PM	4:45 PM	357	1	358		33	4	37
4:45 PM	5:00 PM	331	3	334		25	5	30
5:00 PM	5:15 PM	320	3	323		21	5	26
5:15 PM	5:30 PM	328	6	334		35	4	39
5:30 PM	5:45 PM	314	7	321		20	6	26
5:45 PM	6:00 PM	265	2	267		22	5	27
6:00 PM	6:15 PM	282	7	289		15	6	21
6:15 PM	6:30 PM	267	5	272		14	3	17
6:30 PM	6:45 PM	246	4	250		22	8	30
6:45 PM	7:00 PM	194	3	197		26	7	33
7:00 PM	7:15 PM	205	4	209		20	5	25
7:15 PM	7:30 PM	187	5	192		24	7	31
7:30 PM	7:45 PM	134	5	139		29	6	35
7:45 PM	8:00 PM	118	1	119		16	6	22

Counts taken on Thursday, November 8, 2018

Combined WB Lefts into Shopping Center at West Driveway with total WB Moves at East Driveway

Combined NB Lefts out of Shopping Center at West Driveway with total NB Moves at East Driveway

**East Driveway**



Upper Dublin, PA  
 Ridge Pike & Shopping Center  
 East  
 Thursday, November 8, 2018  
 Location: 40.093568, -  
 75.283316

www.TSTData.com  
 184 Baker Rd

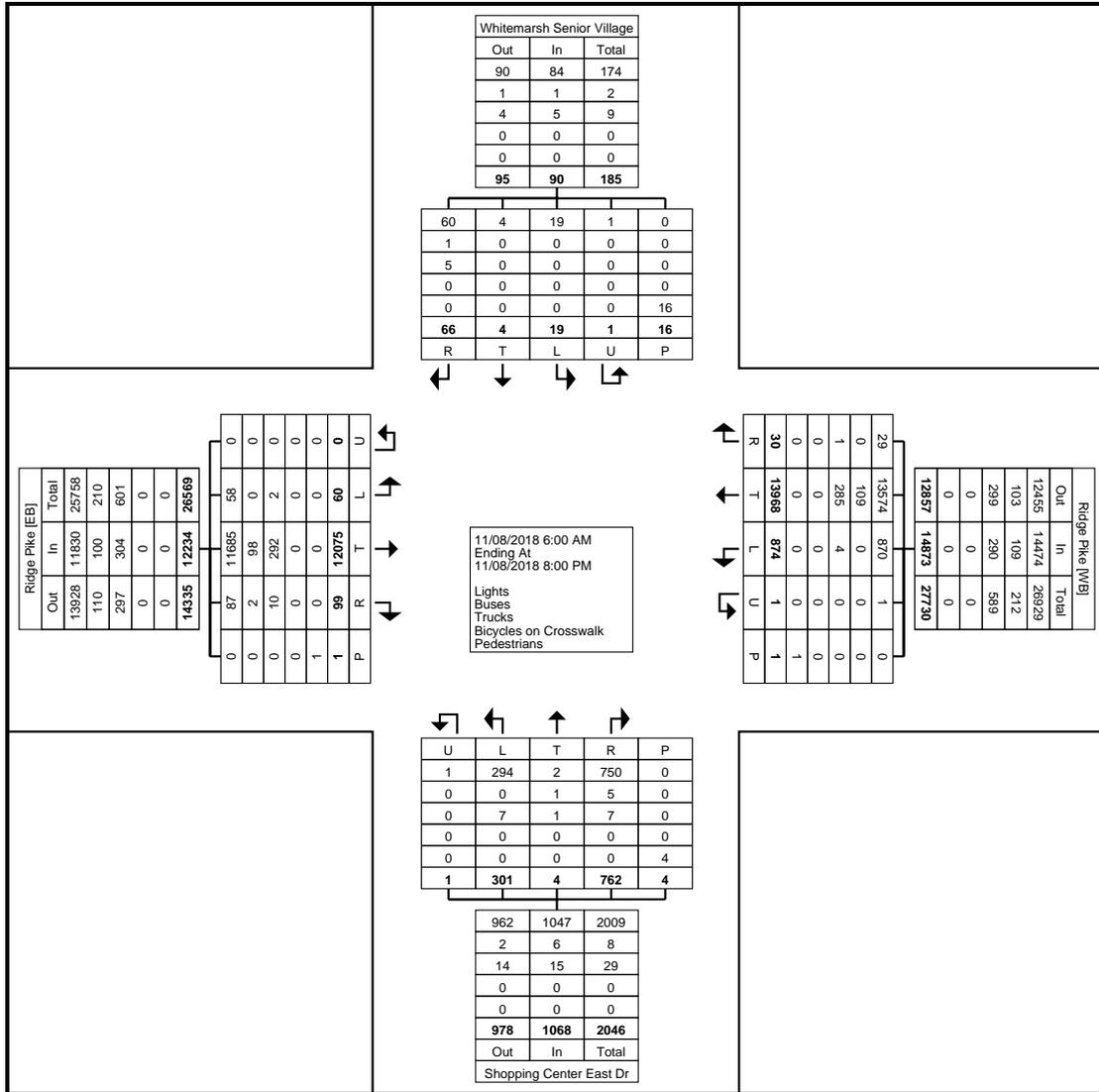
Coatesville, Pennsylvania, United States 19320  
 610-466-1469  
 Serving Transportation Professionals Since 1995

Count Name: Ridge  
 Pike/Shopping Center East Dr  
 Thurs  
 Site Code:  
 Start Date: 11/08/2018  
 Page No: 1

**Turning Movement Data**

Start Time	Ridge Pike Eastbound						Ridge Pike Westbound						Shopping Center East Dr Northbound						Whitemarsh Senior Village Dr Southbound						Int. Total
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	
6:00 AM	0	86	1	0	0	87	2	105	0	0	0	107	0	0	1	0	0	1	0	0	0	0	0	0	195
6:15 AM	0	124	0	0	0	124	9	146	0	0	0	155	0	0	0	0	0	0	1	0	0	0	0	1	280
6:30 AM	0	183	1	0	0	184	9	263	0	0	0	272	1	0	2	0	0	3	0	0	0	0	0	0	459
6:45 AM	1	183	0	0	0	184	12	309	0	0	0	321	2	0	1	0	0	3	0	0	1	0	0	1	509
Hourly Total	1	576	2	0	0	579	32	823	0	0	0	855	3	0	4	0	0	7	1	0	1	0	0	2	1443
7:00 AM	0	216	0	0	0	216	11	352	2	0	0	365	2	0	7	0	1	9	0	0	1	0	0	1	591
7:15 AM	0	202	2	0	0	204	15	378	0	1	0	394	1	0	11	0	0	12	0	0	1	0	0	1	611
7:30 AM	0	192	0	0	0	192	14	393	1	0	1	408	0	0	7	0	0	7	0	0	2	0	1	2	609
7:45 AM	0	185	1	0	0	186	15	392	0	0	0	407	1	0	5	0	0	6	0	0	0	0	0	0	599
Hourly Total	0	795	3	0	0	798	55	1515	3	1	1	1574	4	0	30	0	1	34	0	0	4	0	1	4	2410
8:00 AM	1	154	2	0	0	157	20	388	0	0	0	408	1	0	11	0	0	12	0	1	0	0	0	1	578
8:15 AM	0	170	0	0	0	170	23	348	0	0	0	371	1	0	5	0	0	6	0	0	2	0	0	2	549
8:30 AM	4	179	2	0	0	185	17	380	1	0	0	398	1	0	8	0	0	9	0	0	0	0	0	0	592
8:45 AM	0	172	2	0	0	174	24	414	1	0	0	439	1	0	6	0	0	7	0	0	1	0	0	1	621
Hourly Total	5	675	6	0	0	686	84	1530	2	0	0	1616	4	0	30	0	0	34	0	1	3	0	0	4	2340
9:00 AM	0	164	4	0	1	168	28	359	0	0	0	387	5	0	6	0	0	11	1	0	2	0	0	3	569
9:15 AM	4	208	0	0	0	212	15	274	1	0	0	290	3	0	9	0	0	12	0	0	1	0	0	1	515
9:30 AM	0	181	3	0	0	184	13	307	1	0	0	321	4	0	9	0	0	13	2	1	1	0	0	4	522
9:45 AM	2	178	6	0	0	186	21	237	0	0	0	258	6	0	11	0	0	17	1	1	0	0	0	2	463
Hourly Total	6	731	13	0	1	750	77	1177	2	0	0	1256	18	0	35	0	0	53	4	2	4	0	0	10	2069
10:00 AM	1	186	3	0	0	190	9	181	0	0	0	190	4	0	10	0	0	14	0	0	1	0	0	1	395
10:15 AM	2	158	2	0	0	162	15	191	0	0	0	206	5	0	11	0	0	16	1	0	3	0	0	4	388
10:30 AM	2	185	4	0	0	191	8	199	1	0	0	208	2	1	8	0	0	11	1	0	1	0	4	2	412
10:45 AM	2	191	1	0	0	194	15	198	1	0	0	214	8	0	10	0	0	18	0	0	5	0	0	5	431
Hourly Total	7	720	10	0	0	737	47	769	2	0	0	818	19	1	39	0	0	59	2	0	10	0	4	12	1626
11:00 AM	3	177	3	0	0	183	19	170	1	0	0	190	3	0	11	0	0	14	0	0	2	0	0	2	389
11:15 AM	0	219	1	0	0	220	8	186	0	0	0	194	5	0	10	0	0	15	1	1	1	0	2	3	432
11:30 AM	2	209	1	0	0	212	22	183	1	0	0	206	5	1	17	0	0	23	2	0	1	0	0	3	444
11:45 AM	0	204	2	0	0	206	13	194	2	0	0	209	8	0	9	0	0	17	0	0	2	0	0	2	434
Hourly Total	5	809	7	0	0	821	62	733	4	0	0	799	21	1	47	0	0	69	3	1	6	0	2	10	1699
12:00 PM	0	225	3	0	0	228	18	197	0	0	0	215	11	1	9	0	0	21	0	0	1	0	0	1	465
12:15 PM	1	198	3	0	0	202	20	228	1	0	0	249	12	0	22	0	0	34	0	0	0	0	0	0	485
12:30 PM	0	198	3	0	0	201	26	220	1	0	0	247	14	0	32	0	0	46	1	0	1	0	0	2	496
12:45 PM	1	206	6	0	0	213	20	224	2	0	0	246	8	0	22	0	0	30	1	0	4	0	0	5	494
Hourly Total	2	827	15	0	0	844	84	869	4	0	0	957	45	1	85	0	0	131	2	0	6	0	0	8	1940
1:00 PM	2	217	3	0	0	222	17	185	2	0	0	204	9	0	25	0	0	34	0	0	3	0	0	3	463
1:15 PM	2	215	3	0	0	220	20	203	2	0	0	225	7	0	13	0	0	20	1	0	4	0	0	5	470
1:30 PM	0	221	5	0	0	226	12	223	0	0	0	235	22	0	24	0	0	46	0	0	2	0	0	2	509
1:45 PM	4	188	1	0	0	193	13	222	1	0	0	236	4	1	13	0	0	18	0	0	2	0	0	2	449
Hourly Total	8	841	12	0	0	861	62	833	5	0	0	900	42	1	75	0	0	118	1	0	11	0	0	12	1891
2:00 PM	0	222	0	0	0	222	13	184	0	0	0	197	9	0	21	0	0	30	0	0	4	0	0	4	453
2:15 PM	0	212	7	0	0	219	14	206	0	0	0	220	7	0	16	0	0	23	0	0	3	0	0	3	465
2:30 PM	2	254	4	0	0	260	15	233	0	0	0	248	5	0	13	0	0	18	0	0	2	0	1	2	528
2:45 PM	3	238	2	0	0	243	21	213	1	0	0	235	7	0	20	0	0	27	3	0	1	0	0	4	509
Hourly Total	5	926	13	0	0	944	63	836	1	0	0	900	28	0	70	0	0	98	3	0	10	0	1	13	1955
3:00 PM	1	256	1	0	0	258	17	220	0	0	0	237	9	0	17	0	0	26	0	0	2	1	0	3	524
3:15 PM	3	254	4	0	0	261	23	240	1	0	0	264	7	0	22	0	0	29	1	0	2	0	0	3	557
3:30 PM	0	278	2	0	0	280	19	257	1	0	0	277	9	0	18	0	0	27	0	0	1	0	2	1	585
3:45 PM	2	286	1	0	0	289	10	265	0	0	0	275	6	0	17	0	0	23	1	0	1	0	2	2	589
Hourly Total	6	1074	8	0	0	1088	69	982	2	0	0	1053	31	0	74	0	0	105	2	0	6	1	4	9	2255
4:00 PM	1	292	1	0	0	294	18	267	1	0	0	286	3	0	13	0	0	16	0	0	0	0	1	0	596
4:15 PM	1	249	0	0	0	250	16	293	2	0	0	311	4	0	18	0	0	22	0	0	0	0	0	0	583
4:30 PM	0	287	1	0	0	288	26	331	0	0	0	357	5	0	27	1	0	33	0	0	0	0	1	0	678
4:45 PM	1	281	0	0	0	282	23	308	0	0	0	331	4	0	21	0	1	25	0	0	0	0	0	0	638
Hourly Total	3	1109	2	0	0	1114	83	1199	3	0	0	1285	16	0	79	1	1	96	0	0	0	0	2	0	2495
5:00 PM	4	276	0	0	0	280	15	303	2	0	0	320	6	0	15	0	1	21	0	0	1	0	0	1	622
5:15 PM	0	265	1	0	0	266	18	310	0	0	0	328	7	0	28	0	0	35	0	0	1	0	0	1	630
5:30 PM	1	237	1	0	0	239	18	296	0	0	0	314	5	0	15	0	0	20	0	0	1	0	0	1	574
5:45 PM	0	248	1	0	0	249	12	253	0	0	0	265	9	0	13	0	0	22	0	0	0	0	0	0	536
Hourly Total	5	1026	3	0	0	1034	63	1162	2	0	0	1227	27	0	71	0	1	98	0	0	3	0	0	3	2362
6:00 PM	0	238	0	0	0	238	17	265	0	0	0	282	0	0	15	0	0	15	1	0	0	0	0	1	536

6:15 PM	1	247	1	0	0	249	13	254	0	0	0	267	2	0	12	0	0	14	0	0	0	0	0	0	530
6:30 PM	1	264	1	0	0	266	16	230	0	0	0	246	4	0	18	0	0	22	0	0	1	0	0	1	535
6:45 PM	1	280	0	0	0	281	10	184	0	0	0	194	10	0	16	0	0	26	0	0	0	0	0	0	501
Hourly Total	3	1029	2	0	0	1034	56	933	0	0	0	989	16	0	61	0	0	77	1	0	1	0	0	2	2102
7:00 PM	0	260	1	0	0	261	10	195	0	0	0	205	7	0	13	0	1	20	0	0	1	0	1	1	487
7:15 PM	1	250	0	0	0	251	15	172	0	0	0	187	3	0	21	0	0	24	0	0	0	0	1	0	462
7:30 PM	3	227	2	0	0	232	9	125	0	0	0	134	13	0	16	0	0	29	0	0	0	0	0	0	395
7:45 PM	0	200	0	0	0	200	3	115	0	0	0	118	4	0	12	0	0	16	0	0	0	0	0	0	334
Hourly Total	4	937	3	0	0	944	37	607	0	0	0	644	27	0	62	0	1	89	0	0	1	0	2	1	1678
Grand Total	60	12075	99	0	1	12234	874	13968	30	1	1	14873	301	4	762	1	4	1068	19	4	66	1	16	90	28265
Approach %	0.5	98.7	0.8	0.0	-	-	5.9	93.9	0.2	0.0	-	-	28.2	0.4	71.3	0.1	-	-	21.1	4.4	73.3	1.1	-	-	-
Total %	0.2	42.7	0.4	0.0	-	43.3	3.1	49.4	0.1	0.0	-	52.6	1.1	0.0	2.7	0.0	-	3.8	0.1	0.0	0.2	0.0	-	0.3	-
Lights	58	11685	87	0	-	11830	870	13574	29	1	-	14474	294	2	750	1	-	1047	19	4	60	1	-	84	27435
% Lights	96.7	96.8	87.9	-	-	96.7	99.5	97.2	96.7	100.0	-	97.3	97.7	50.0	98.4	100.0	-	98.0	100.0	100.0	90.9	100.0	-	93.3	97.1
Buses	0	98	2	0	-	100	0	109	0	0	-	109	0	1	5	0	-	6	0	0	1	0	-	1	216
% Buses	0.0	0.8	2.0	-	-	0.8	0.0	0.8	0.0	0.0	-	0.7	0.0	25.0	0.7	0.0	-	0.6	0.0	0.0	1.5	0.0	-	1.1	0.8
Trucks	2	292	10	0	-	304	4	285	1	0	-	290	7	1	7	0	-	15	0	0	5	0	-	5	614
% Trucks	3.3	2.4	10.1	-	-	2.5	0.5	2.0	3.3	0.0	-	1.9	2.3	25.0	0.9	0.0	-	1.4	0.0	0.0	7.6	0.0	-	5.6	2.2
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	0.0	-	-	-	-	-	0.0	-	-	-	-	-	0.0	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	4	-	-	-	-	-	16	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-



Turning Movement Data Plot



Upper Dublin, PA  
 Ridge Pike & Shopping Center  
 East  
 Thursday, November 8, 2018  
 Location: 40.093568, -  
 75.283316

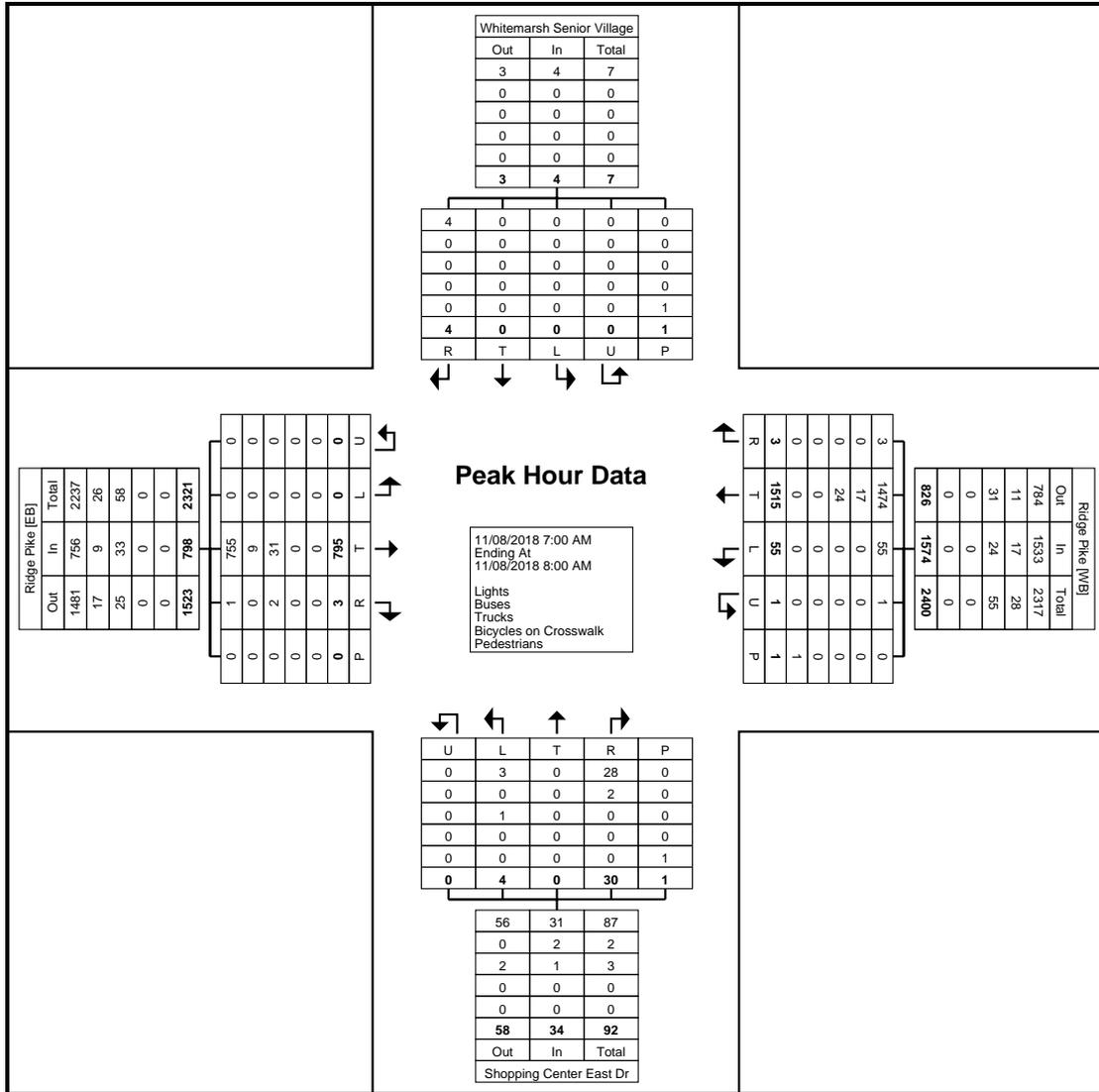
www.TSTData.com  
 184 Baker Rd

Coatesville, Pennsylvania, United States 19320  
 610-466-1469  
 Serving Transportation Professionals Since 1995

Count Name: Ridge  
 Pike/Shopping Center East Dr  
 Thurs  
 Site Code:  
 Start Date: 11/08/2018  
 Page No: 4

### Turning Movement Peak Hour Data (7:00 AM)

Start Time	Ridge Pike Eastbound						Ridge Pike Westbound						Shopping Center East Dr Northbound						Whitemarsh Senior Village Dr Southbound						Int. Total
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	
7:00 AM	0	216	0	0	0	216	11	352	2	0	0	365	2	0	7	0	1	9	0	0	1	0	0	1	591
7:15 AM	0	202	2	0	0	204	15	378	0	1	0	394	1	0	11	0	0	12	0	0	1	0	0	1	611
7:30 AM	0	192	0	0	0	192	14	393	1	0	1	408	0	0	7	0	0	7	0	0	2	0	1	2	609
7:45 AM	0	185	1	0	0	186	15	392	0	0	0	407	1	0	5	0	0	6	0	0	0	0	0	0	599
Total	0	795	3	0	0	798	55	1515	3	1	1	1574	4	0	30	0	1	34	0	0	4	0	1	4	2410
Approach %	0.0	99.6	0.4	0.0	-	-	3.5	96.3	0.2	0.1	-	-	11.8	0.0	88.2	0.0	-	-	0.0	0.0	100.0	0.0	-	-	-
Total %	0.0	33.0	0.1	0.0	-	33.1	2.3	62.9	0.1	0.0	-	65.3	0.2	0.0	1.2	0.0	-	1.4	0.0	0.0	0.2	0.0	-	0.2	-
PHF	0.000	0.920	0.375	0.000	-	0.924	0.917	0.964	0.375	0.250	-	0.964	0.500	0.000	0.682	0.000	-	0.708	0.000	0.000	0.500	0.000	-	0.500	0.986
Lights	0	755	1	0	-	756	55	1474	3	1	-	1533	3	0	28	0	-	31	0	0	4	0	-	4	2324
% Lights	-	95.0	33.3	-	-	94.7	100.0	97.3	100.0	100.0	-	97.4	75.0	-	93.3	-	-	91.2	-	-	100.0	-	-	100.0	96.4
Buses	0	9	0	0	-	9	0	17	0	0	-	17	0	0	2	0	-	2	0	0	0	0	-	0	28
% Buses	-	1.1	0.0	-	-	1.1	0.0	1.1	0.0	0.0	-	1.1	0.0	-	6.7	-	-	5.9	-	-	0.0	-	-	0.0	1.2
Trucks	0	31	2	0	-	33	0	24	0	0	-	24	1	0	0	0	-	1	0	0	0	0	-	0	58
% Trucks	-	3.9	66.7	-	-	4.1	0.0	1.6	0.0	0.0	-	1.5	25.0	-	0.0	-	-	2.9	-	-	0.0	-	-	0.0	2.4
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	0.0	-	-	-	-	-	0.0	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-



Turning Movement Peak Hour Data Plot (7:00 AM)



Upper Dublin, PA  
 Ridge Pike & Shopping Center  
 East  
 Thursday, November 8, 2018  
 Location: 40.093568, -  
 75.283316

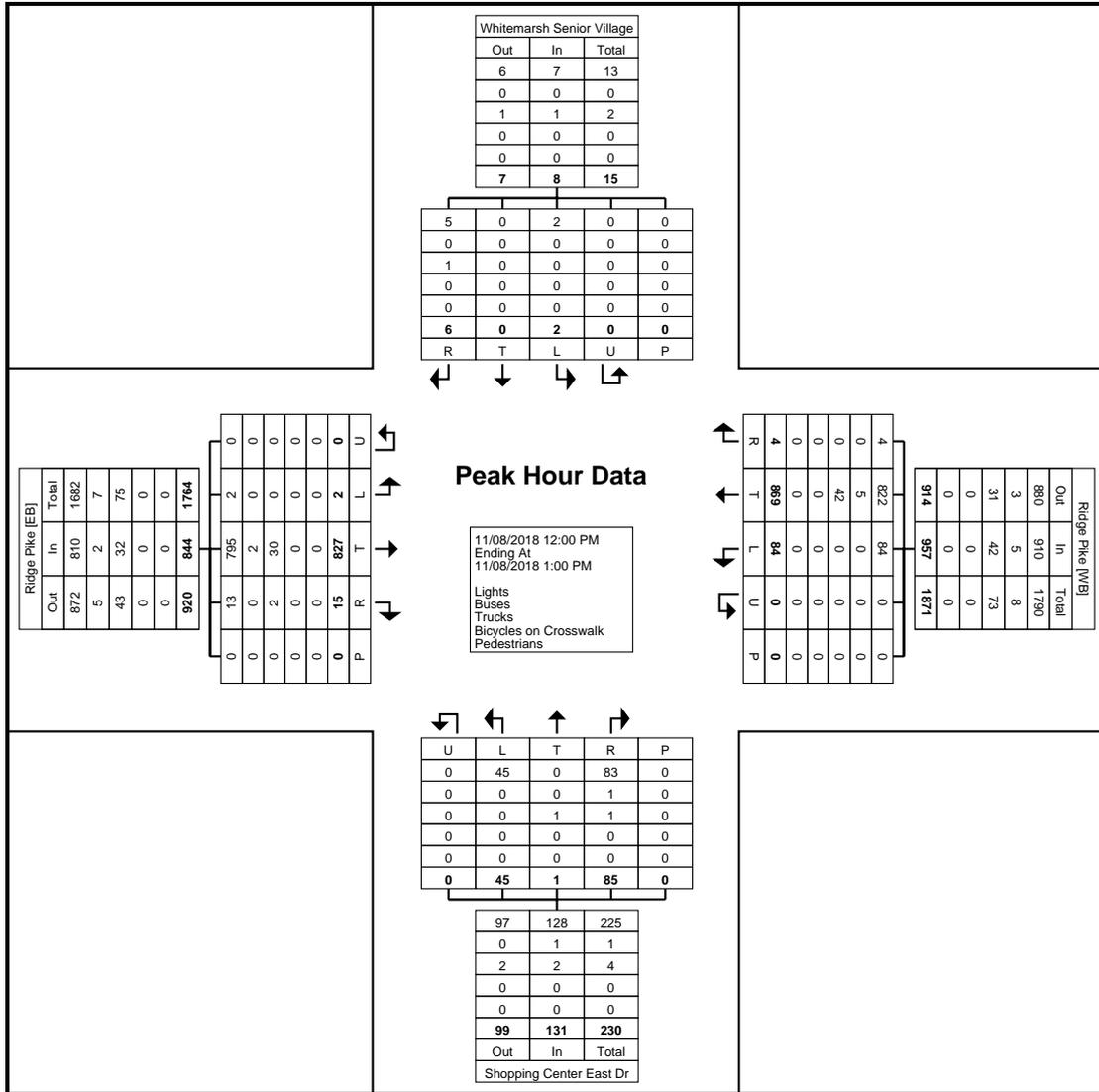
www.TSTData.com  
 184 Baker Rd

Coatesville, Pennsylvania, United States 19320  
 610-466-1469  
 Serving Transportation Professionals Since 1995

Count Name: Ridge  
 Pike/Shopping Center East Dr  
 Thurs  
 Site Code:  
 Start Date: 11/08/2018  
 Page No: 6

### Turning Movement Peak Hour Data (12:00 PM)

Start Time	Ridge Pike Eastbound						Ridge Pike Westbound						Shopping Center East Dr Northbound						Whitemarsh Senior Village Dr Southbound						Int. Total
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	
12:00 PM	0	225	3	0	0	228	18	197	0	0	0	215	11	1	9	0	0	21	0	0	1	0	0	1	465
12:15 PM	1	198	3	0	0	202	20	228	1	0	0	249	12	0	22	0	0	34	0	0	0	0	0	0	485
12:30 PM	0	198	3	0	0	201	26	220	1	0	0	247	14	0	32	0	0	46	1	0	1	0	0	2	496
12:45 PM	1	206	6	0	0	213	20	224	2	0	0	246	8	0	22	0	0	30	1	0	4	0	0	5	494
Total	2	827	15	0	0	844	84	869	4	0	0	957	45	1	85	0	0	131	2	0	6	0	0	8	1940
Approach %	0.2	98.0	1.8	0.0	-	-	8.8	90.8	0.4	0.0	-	-	34.4	0.8	64.9	0.0	-	-	25.0	0.0	75.0	0.0	-	-	-
Total %	0.1	42.6	0.8	0.0	-	43.5	4.3	44.8	0.2	0.0	-	49.3	2.3	0.1	4.4	0.0	-	6.8	0.1	0.0	0.3	0.0	-	0.4	-
PHF	0.500	0.919	0.625	0.000	-	0.925	0.808	0.953	0.500	0.000	-	0.961	0.804	0.250	0.664	0.000	-	0.712	0.500	0.000	0.375	0.000	-	0.400	0.978
Lights	2	795	13	0	-	810	84	822	4	0	-	910	45	0	83	0	-	128	2	0	5	0	-	7	1855
% Lights	100.0	96.1	86.7	-	-	96.0	100.0	94.6	100.0	-	-	95.1	100.0	0.0	97.6	-	-	97.7	100.0	-	83.3	-	-	87.5	95.6
Buses	0	2	0	0	-	2	0	5	0	0	-	5	0	0	1	0	-	1	0	0	0	0	-	0	8
% Buses	0.0	0.2	0.0	-	-	0.2	0.0	0.6	0.0	-	-	0.5	0.0	0.0	1.2	-	-	0.8	0.0	-	0.0	-	-	0.0	0.4
Trucks	0	30	2	0	-	32	0	42	0	0	-	42	0	1	1	0	-	2	0	0	1	0	-	1	77
% Trucks	0.0	3.6	13.3	-	-	3.8	0.0	4.8	0.0	-	-	4.4	0.0	100.0	1.2	-	-	1.5	0.0	-	16.7	-	-	12.5	4.0
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Turning Movement Peak Hour Data Plot (12:00 PM)



Upper Dublin, PA  
 Ridge Pike & Shopping Center  
 East  
 Thursday, November 8, 2018  
 Location: 40.093568, -  
 75.283316

www.TSTData.com  
 184 Baker Rd

Coatesville, Pennsylvania, United States 19320  
 610-466-1469  
 Serving Transportation Professionals Since 1995

Count Name: Ridge  
 Pike/Shopping Center East Dr  
 Thurs  
 Site Code:  
 Start Date: 11/08/2018  
 Page No: 8

### Turning Movement Peak Hour Data (4:30 PM)

Start Time	Ridge Pike Eastbound						Ridge Pike Westbound						Shopping Center East Dr Northbound						Whitemarsh Senior Village Dr Southbound						Int. Total	
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total		
4:30 PM	0	287	1	0	0	288	26	331	0	0	0	357	5	0	27	1	0	33	0	0	0	0	1	0	0	678
4:45 PM	1	281	0	0	0	282	23	308	0	0	0	331	4	0	21	0	1	25	0	0	0	0	0	0	638	
5:00 PM	4	276	0	0	0	280	15	303	2	0	0	320	6	0	15	0	1	21	0	0	1	0	0	1	622	
5:15 PM	0	265	1	0	0	266	18	310	0	0	0	328	7	0	28	0	0	35	0	0	1	0	0	1	630	
Total	5	1109	2	0	0	1116	82	1252	2	0	0	1336	22	0	91	1	2	114	0	0	2	0	1	2	2568	
Approach %	0.4	99.4	0.2	0.0	-	-	6.1	93.7	0.1	0.0	-	-	19.3	0.0	79.8	0.9	-	-	0.0	0.0	100.0	0.0	-	-	-	
Total %	0.2	43.2	0.1	0.0	-	43.5	3.2	48.8	0.1	0.0	-	52.0	0.9	0.0	3.5	0.0	-	4.4	0.0	0.0	0.1	0.0	-	0.1	-	
PHF	0.313	0.966	0.500	0.000	-	0.969	0.788	0.946	0.250	0.000	-	0.936	0.786	0.000	0.813	0.250	-	0.814	0.000	0.000	0.500	0.000	-	0.500	0.947	
Lights	5	1102	2	0	-	1109	82	1229	2	0	-	1313	21	0	91	1	-	113	0	0	2	0	-	2	2537	
% Lights	100.0	99.4	100.0	-	-	99.4	100.0	98.2	100.0	-	-	98.3	95.5	-	100.0	100.0	-	99.1	-	-	100.0	-	-	100.0	98.8	
Buses	0	3	0	0	-	3	0	10	0	0	-	10	0	0	0	0	-	0	0	0	0	0	-	0	13	
% Buses	0.0	0.3	0.0	-	-	0.3	0.0	0.8	0.0	-	-	0.7	0.0	-	0.0	0.0	-	0.0	-	-	0.0	-	-	0.0	0.5	
Trucks	0	4	0	0	-	4	0	13	0	0	-	13	1	0	0	0	-	1	0	0	0	0	-	0	18	
% Trucks	0.0	0.4	0.0	-	-	0.4	0.0	1.0	0.0	-	-	1.0	4.5	-	0.0	0.0	-	0.9	-	-	0.0	-	-	0.0	0.7	
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	0.0	-	-	
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	2	-	-	-	-	-	1	-	-	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	



West Driveway



Upper Dublin, PA  
 Ridge Pike & Shopping Center  
 West  
 Thursday, November 8, 2018  
 Location: 40.093858, -  
 75.284617

www.TSTData.com  
 184 Baker Rd

Coatesville, Pennsylvania, United States 19320  
 610-466-1469  
 Serving Transportation Professionals Since 1995

Count Name: Ridge  
 Pike/Shopping Center West Dr  
 Thurs  
 Site Code:  
 Start Date: 11/08/2018  
 Page No: 1

Turning Movement Data

Start Time	Ridge Pike Eastbound						Ridge Pike Westbound						Shopping Center West Dr Northbound						Business Parking Lot Southbound						Int. Total
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	
6:00 AM	0	90	1	1	0	92	3	99	0	0	0	102	0	0	3	0	0	3	0	0	0	0	0	0	197
6:15 AM	0	119	0	0	1	119	5	144	0	0	0	149	2	0	5	0	1	7	0	0	0	0	0	0	275
6:30 AM	0	178	3	0	0	181	2	259	1	0	1	262	0	0	6	0	0	6	0	0	0	2	0	0	449
6:45 AM	0	179	8	0	0	187	3	301	1	0	0	305	1	0	5	0	0	6	0	0	0	0	0	0	498
Hourly Total	0	566	12	1	1	579	13	803	2	0	1	818	3	0	19	0	1	22	0	0	0	2	0	0	1419
7:00 AM	0	210	7	0	0	217	3	360	2	0	0	365	1	0	8	0	1	9	0	0	0	0	0	0	591
7:15 AM	0	192	14	0	3	206	3	376	0	0	0	379	2	0	6	0	0	8	0	0	0	0	0	0	593
7:30 AM	0	185	8	0	0	193	3	396	0	0	0	399	1	0	8	0	0	9	0	0	0	0	0	0	601
7:45 AM	0	171	17	0	0	188	3	380	2	0	0	385	2	0	14	0	0	16	0	0	0	0	0	0	589
Hourly Total	0	758	46	0	3	804	12	1512	4	0	0	1528	6	0	36	0	1	42	0	0	0	0	0	0	2374
8:00 AM	0	151	13	0	0	164	2	378	9	0	0	389	1	0	6	0	0	7	0	0	0	0	0	0	560
8:15 AM	1	163	17	0	0	181	4	343	4	0	0	351	2	0	12	0	0	14	0	0	0	0	0	0	546
8:30 AM	2	169	9	0	0	180	1	382	5	0	0	388	1	0	15	0	0	16	0	0	0	0	0	0	584
8:45 AM	2	161	7	0	1	170	1	401	10	0	0	412	2	0	12	0	0	14	0	0	1	0	2	1	597
Hourly Total	5	644	46	0	1	695	8	1504	28	0	0	1540	6	0	45	0	0	51	0	0	1	0	2	1	2287
9:00 AM	0	159	6	0	0	165	1	357	4	0	0	362	2	0	13	0	0	15	0	0	0	0	0	0	542
9:15 AM	1	201	11	0	0	213	2	283	2	0	0	287	6	0	13	0	0	19	0	0	0	0	0	0	519
9:30 AM	0	167	6	0	2	173	6	306	3	0	0	315	2	0	13	0	0	15	0	1	1	0	0	2	505
9:45 AM	3	174	19	0	1	196	5	228	3	0	0	236	2	0	9	0	0	11	1	0	0	0	0	1	444
Hourly Total	4	701	42	0	3	747	14	1174	12	0	0	1200	12	0	48	0	0	60	1	1	1	0	0	3	2010
10:00 AM	4	173	9	0	3	186	2	186	0	0	0	188	6	0	18	0	0	24	0	0	1	0	0	1	399
10:15 AM	1	151	22	0	0	174	4	198	0	0	0	202	0	0	11	0	0	11	0	0	0	0	0	0	387
10:30 AM	0	177	15	0	2	192	2	194	1	0	0	197	6	0	16	0	0	22	0	0	1	0	1	1	412
10:45 AM	0	175	17	0	0	192	2	214	1	0	0	217	6	0	17	0	0	23	1	0	4	0	0	5	437
Hourly Total	5	676	63	0	5	744	10	792	2	0	0	804	18	0	62	0	0	80	1	0	6	0	1	7	1635
11:00 AM	0	163	17	0	0	180	1	172	1	0	0	174	6	0	17	0	0	23	2	0	2	0	1	4	381
11:15 AM	3	202	21	0	0	226	3	188	1	0	0	192	5	0	16	0	0	21	1	0	3	0	0	4	443
11:30 AM	0	193	25	0	1	218	3	189	1	0	1	193	10	1	17	0	0	28	2	1	1	0	2	4	443
11:45 AM	2	189	35	0	0	226	3	201	0	0	0	204	8	0	17	0	0	25	0	0	6	0	1	6	461
Hourly Total	5	747	98	0	1	850	10	750	3	0	1	763	29	1	67	0	0	97	5	1	12	0	4	18	1728
12:00 PM	1	199	33	0	1	233	3	199	3	0	0	205	8	0	26	0	0	34	1	1	5	0	0	7	479
12:15 PM	2	176	30	0	4	208	5	238	2	0	2	245	10	0	23	0	1	33	0	0	0	3	0	0	486
12:30 PM	1	192	36	0	3	229	3	225	3	0	1	231	6	0	12	0	0	18	0	1	2	0	1	3	481
12:45 PM	1	194	17	0	5	212	3	237	1	0	0	241	3	1	19	0	0	23	0	0	2	0	1	2	478
Hourly Total	5	761	116	0	13	882	14	899	9	0	3	922	27	1	80	0	1	108	1	2	9	0	5	12	1924
1:00 PM	2	194	25	0	2	221	0	198	0	0	0	198	11	0	26	0	0	37	0	1	5	0	2	6	462
1:15 PM	1	194	37	0	3	232	5	201	4	0	0	210	9	0	27	0	1	36	0	0	5	0	1	5	483
1:30 PM	0	203	19	0	0	222	8	239	0	0	0	247	9	0	22	0	1	31	1	0	1	0	2	2	502
1:45 PM	1	175	24	0	1	200	6	218	1	0	0	225	7	0	17	0	0	24	0	0	1	0	0	1	450
Hourly Total	4	766	105	0	6	875	19	856	5	0	0	880	36	0	92	0	2	128	1	1	12	0	5	14	1897
2:00 PM	2	217	23	0	0	242	5	193	1	0	0	199	6	0	24	0	0	30	0	0	1	0	2	1	472
2:15 PM	0	201	18	0	0	219	8	209	3	0	0	220	12	0	16	0	0	28	1	1	2	0	1	4	471
2:30 PM	1	232	29	0	1	262	3	236	1	0	0	240	8	0	31	0	1	39	1	0	0	0	1	1	542
2:45 PM	0	221	22	1	0	244	3	216	0	0	0	219	8	0	21	0	0	29	0	0	1	0	0	1	493
Hourly Total	3	871	92	1	1	967	19	854	5	0	0	878	34	0	92	0	1	126	2	1	4	0	4	7	1978
3:00 PM	1	229	20	0	2	250	6	225	3	0	0	234	9	0	29	0	0	38	0	1	0	0	0	1	523
3:15 PM	1	241	25	0	0	267	1	242	2	0	0	245	7	0	21	0	0	28	1	0	0	0	0	1	541
3:30 PM	0	250	24	0	1	274	6	264	1	0	0	271	2	0	29	0	0	31	1	0	3	0	1	4	580
3:45 PM	1	273	26	0	0	300	2	273	0	0	0	275	7	0	18	0	0	25	0	0	2	0	1	2	602
Hourly Total	3	993	95	0	3	1091	15	1004	6	0	0	1025	25	0	97	0	0	122	2	1	5	0	2	8	2246
4:00 PM	0	265	18	0	3	283	1	275	0	0	0	276	4	0	25	0	2	29	1	0	2	0	2	3	591
4:15 PM	0	227	27	0	0	254	5	297	1	0	2	303	6	0	21	0	0	27	1	2	8	0	0	11	595
4:30 PM	1	259	28	0	0	288	1	314	1	0	0	316	4	0	24	0	1	28	3	0	9	0	0	12	644
4:45 PM	0	247	27	0	5	274	3	323	1	0	0	327	5	0	33	0	3	38	3	0	2	0	3	5	644
Hourly Total	1	998	100	0	8	1099	10	1209	3	0	2	1222	19	0	103	0	6	122	8	2	21	0	5	31	2474
5:00 PM	0	252	33	0	0	285	3	303	0	0	0	306	5	0	24	0	0	29	2	0	12	0	0	14	634
5:15 PM	0	242	22	0	0	264	6	309	0	0	0	315	4	0	26	0	0	30	0	0	5	0	0	5	614
5:30 PM	0	221	31	0	0	252	7	292	0	0	0	299	6	0	20	0	0	26	0	0	3	0	0	3	580
5:45 PM	1	230	23	0	0	254	2	255	0	0	0	257	5	0	17	0	0	22	3	0	0	0	0	3	536
Hourly Total	1	945	109	0	0	1055	18	1159	0	0	0	1177	20	0	87	0	0	107	5	0	20	0	0	25	2364
6:00 PM	0	229	17	0	0	246	7	256	0	0	0	263	6	0	20	0	0	26	0	0	2	0	0	2	537

6:15 PM	0	234	30	0	0	264	5	255	0	0	0	260	3	0	19	0	0	22	0	0	1	0	0	1	547
6:30 PM	0	257	27	0	0	284	4	225	1	0	0	230	8	0	19	0	0	27	0	0	1	0	0	1	542
6:45 PM	0	261	34	0	0	295	3	192	0	0	0	195	7	0	25	0	0	32	0	0	2	0	0	2	524
Hourly Total	0	981	108	0	0	1089	19	928	1	0	0	948	24	0	83	0	0	107	0	0	6	0	0	6	2150
7:00 PM	0	252	17	0	0	269	4	200	0	0	0	204	5	0	15	0	0	20	0	0	0	0	0	0	493
7:15 PM	0	235	26	0	0	261	5	169	0	0	0	174	7	0	17	0	0	24	0	0	0	0	0	0	459
7:30 PM	0	221	27	0	0	248	5	131	0	0	0	136	6	0	13	0	0	19	0	0	0	0	0	0	403
7:45 PM	0	186	17	0	0	203	1	115	0	0	0	116	6	0	16	0	0	22	0	0	0	0	0	0	341
Hourly Total	0	894	87	0	0	981	15	615	0	0	0	630	24	0	61	0	0	85	0	0	0	0	0	0	1696
Grand Total	36	11301	1119	2	45	12458	196	14059	80	0	7	14335	283	2	972	0	12	1257	26	9	97	0	30	132	28182
Approach %	0.3	90.7	9.0	0.0	-	-	1.4	98.1	0.6	0.0	-	-	22.5	0.2	77.3	0.0	-	-	19.7	6.8	73.5	0.0	-	-	-
Total %	0.1	40.1	4.0	0.0	-	44.2	0.7	49.9	0.3	0.0	-	50.9	1.0	0.0	3.4	0.0	-	4.5	0.1	0.0	0.3	0.0	-	0.5	-
Lights	35	10887	1110	2	-	12034	196	13662	77	0	-	13935	281	2	967	0	-	1250	26	9	94	0	-	129	27348
% Lights	97.2	96.3	99.2	100.0	-	96.6	100.0	97.2	96.3	-	-	97.2	99.3	100.0	99.5	-	-	99.4	100.0	100.0	96.9	-	-	97.7	97.0
Buses	0	105	3	0	-	108	0	110	0	0	-	110	0	0	0	0	-	0	0	0	0	0	-	0	218
% Buses	0.0	0.9	0.3	0.0	-	0.9	0.0	0.8	0.0	-	-	0.8	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.8
Trucks	1	309	6	0	-	316	0	287	3	0	-	290	2	0	5	0	-	7	0	0	3	0	-	3	616
% Trucks	2.8	2.7	0.5	0.0	-	2.5	0.0	2.0	3.8	-	-	2.0	0.7	0.0	0.5	-	-	0.6	0.0	0.0	3.1	-	-	2.3	2.2
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	1	-	-
% Bicycles on Crosswalk	-	-	-	-	0.0	-	-	-	-	-	0.0	-	-	-	-	-	0.0	-	-	-	-	-	3.3	-	-
Pedestrians	-	-	-	-	45	-	-	-	-	-	7	-	-	-	-	-	12	-	-	-	-	-	29	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	100.0	-	-	-	-	-	96.7	-	-

# Traffic Signal Warrant Analysis Workbook

7/16/2018

## Introduction

The purpose of this workbook is to aid in the evaluation of each of the 9 traffic signal warrants in the 2009 MUTCD and the 2 additional warrants in PennDOT Publication 46/PennDOT Publication 212. All users shall reference these documents while completing this workbook to verify the accuracy of any findings and to account for conditions not inherently modeled or accounted for in this workbook. This workbook is a tool to make a traffic engineering decision. This workbook is not a substitute for engineering judgement.

Workbook procedures are consistent with Sections 4C.01-4C.10 of the 2009 MUTCD and Section 4.3 of PennDOT Publication 46, Traffic Engineering Manual.

## Assumptions

- 1 All users are familiar with the applications of each traffic signal warrant.
- 2 All users are familiar with Section 4C.01 of the MUTCD which details the engineering judgment decisions required to implement competent and accurate inputs within this workbook.
- 3 Imbedded calculations and graphical comparisons are provided throughout the workbook to automate analyses but the user shall verify the accuracy of these calculations/comparisons.
- 4 The workbook will only yield accurate results if the data entry is by 15-minute intervals for the vehicular volumes.
  
- 5 The term "Unique Hour" used throughout this workbook refers to any four sequential 15-minute periods that meet the appropriate warrant/condition/figure/criteria and do not overlap with another warranted hour.

## Instructions

- 1 Enable macros within this workbook. Macros must be enabled for the workbook's imbedded print buttons to function properly.
- 2 This workbook represents one day of analysis. Duplicate this workbook for each day of analysis.
- 3 All pale yellow cells are available for the user to either input required information or to provide a decision. These input cells are provided throughout the workbook to account for the varying inputs unique to each warrant. Some of these input cells, when selected, provide additional information/drop-down lists for the user to input the correct information. Green cells are self calculating based on the user's inputs and the constraints of the applicable warrant.
  
- 4 Begin by inputting the study and analysis information within the "Inputs&Findings" tab. Make sure to indicate which warrant(s) are applicable for analysis at the bottom of the "Inputs&Findings" tab.
- 5 Next, input all available traffic volume data into the "Traffic Volume Input" tab. **THIS WORKBOOK ONLY ACCEPTS DATA ENTRY IN 15-MINUTE INTERVALS. DO NOT ENTER HOURLY DATA.** For ease of input, it is preferred to export 15-minute interval volume data from a counter's software to an Excel file and then copy the data into this workbook. When pasting volume data into this workbook, use the "Paste Special" option and select "Values" or "Text" so as to retain the workbook's formatting. 15-minute interval volume data is desirable because warranting hours may not fall within a "standard" hour (i.e. 1-2PM, 2-3PM, etc.). If only partial day volumes are available, enter these volumes as such.
  
- 6 Provide additional inputs as needed for each applicable warrant tab. Upon completion, provide all supplementary calculations and/or documentation where indicated here within the workbook or within the above indicated references.
  
- 7 Printing can be accomplished by utilizing the blue print buttons throughout the workbook (ensure that macros are enabled). "Print Page" buttons print all content that is in the respective tab. "Print w/..." buttons print both the content in the respective tab and the indicated figure/exhibit. Once selected, the print buttons send a print command to the user's default printer.

Version #	Revision Date	Revision Description
1.0	8/22/2012	Original
2.0	11/2/2012	Per Clearance Transmittal T-12-016 Comments

L00191-Ridge Pike Improvement Project  
East of Butler Pike ATR Count Summary Sheet

9/14/2018

**Ridge Pike WB**  
Location: East of Butler Pike  
Travel+Passing

	Thursday 10/26/2017	Friday 10/27/2017	Saturday 10/28/2017	Sunday 10/29/2017	Monday 10/30/2017	Tuesday 10/31/2017	Wednesday 11/1/2017
12:00 AM	51	39	84	111	26	29	39
1:00 AM	22	21	67	77	28	36	21
2:00 AM	28	23	59	71	31	30	29
3:00 AM	28	41	35	44	15	26	26
4:00 AM	79	99	52	31	87	94	84
5:00 AM	275	261	119	73	272	288	283
6:00 AM	756	807	225	141	855	847	883
7:00 AM	1519	1569	485	278	1580	1648	1632
8:00 AM	1454	1249	746	412	1479	1422	1344
9:00 AM	984	995	1023	677	990	943	951
10:00 AM	829	886	1065	836	843	782	770
11:00 AM	774	910	1219	926	775	743	765
12:00 PM	852	1058	1246	1039	855	822	834
1:00 PM	847	1049	1155	745	817	821	802
2:00 PM	979	1009	1380	538	803	894	864
3:00 PM	1076	1296	1145	412	1003	1060	980
4:00 PM	1215	1227	977	415	1081	1143	1050
5:00 PM	1162	1178	912	385	988	1011	1023
6:00 PM	883	1127	800	300	857	631	801
7:00 PM	607	753	590	261	532	477	584
8:00 PM	413	463	412	163	326	378	349
9:00 PM	271	341	346	215	235	243	233
10:00 PM	202	247	308	123	136	135	138
11:00 PM	103	176	224	73	93	83	76

<b>Total</b>	15409	16824	14674	8346	14707	14586	14561
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**Ridge Pike EB**  
Location: East of Butler Pike  
Travel+Passing

	Thursday 10/26/2017	Friday 10/27/2017	Saturday 10/28/2017	Sunday 10/29/2017	Monday 10/30/2017	Tuesday 10/31/2017	Wednesday 11/1/2017
12:00 AM	68	61	121	145	35	51	48
1:00 AM	31	29	63	73	17	26	26
2:00 AM	17	28	53	64	17	19	29
3:00 AM	15	23	23	34	17	15	21
4:00 AM	44	44	18	30	37	46	40
5:00 AM	123	104	55	33	116	98	112
6:00 AM	447	450	139	88	403	478	452
7:00 AM	763	770	323	188	742	767	710
8:00 AM	713	638	457	292	634	694	685
9:00 AM	649	663	645	502	599	577	590
10:00 AM	664	735	846	566	584	638	584
11:00 AM	721	878	966	850	713	710	687
12:00 PM	774	903	1041	816	714	825	679
1:00 PM	872	929	1119	804	819	793	809
2:00 PM	1056	1183	1102	759	874	984	873
3:00 PM	1072	1275	1224	644	1002	1202	1022
4:00 PM	1346	1347	1088	739	1273	1427	1262
5:00 PM	1310	1358	1007	689	1288	1214	1270
6:00 PM	1159	1209	979	701	1096	814	1096
7:00 PM	900	942	845	464	884	606	834
8:00 PM	658	714	580	318	572	512	565
9:00 PM	482	637	558	214	444	409	393
10:00 PM	254	357	368	148	226	206	239
11:00 PM	190	230	280	100	146	145	166

<b>Total</b>	14328	15507	13900	9261	13252	13256	13192
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	Thursday 10/26/2017	Friday 10/27/2017	Saturday 10/28/2017	Sunday 10/29/2017	Monday 10/30/2017	Tuesday 10/31/2017	Wednesday 11/1/2017
<b>VPD</b>	29737	32331	28574	17607	27959	27842	27753

VPD - Vehicles per day combined bidirectional

2017 Existing			
	Eastbound	Westbound	Total
ADT	13242	14158	27400
AWT	13907	15217	29124

2042 No Build			
	Eastbound	Westbound	Total
ADT	15361	16423	31784
AWT	16132	17652	33784

Projected growth rate from 2017 to 2042 No Build - 16.00%

L00191 – Ridge Pike Improvement Project from Harmon Road to Crescent Avenue  
Plymouth and Whitemarsh Townships  
Traffic Data Technical Support

## **Turn Lane Warrant and Length Analysis Workbook**

### **Signalized Intersections**

#### **2. Ridge Pike and Whitemarsh Plaza Exit 2**

Ridge Pike (Harmon Road to Crescent Avenue)  
Turn Lane Warrant and Length Analysis Results Summary

- 1) Inventoried existing turn lane lengths at signalized intersections (2017 Existing Storage Lengths)
- 2) Calculated recommended left/right turn lane lengths from Turn Lane Warrant and Length Analysis Workbook (Version 3.3, 10/17/2017) and Section 11.16 of PennDOT Publication 46

Intersection and Approach	Existing Storage Lengths <sup>1</sup>		2042 Build Conditions PennDOT Workbook Calculated Storage <sup>2</sup>				Alt 2 - 2042 Desired Turn Lanes AM Model, Storage Lengths		Alt 4 - 2042 Proposed Improvements AM Model, Storage Lengths	
	Left	Right	AM		PM		Left	Right	Left	Right
			Left	Right	Left	Right				
<b>Ridge Pike and Butler Pike</b>										
Eastbound	60		100	250	250	275	250	275	250	100
Westbound	100		175	175	150	150	175	175	175	175
Northbound	100		250	100	250	100	250	100	100	100
Southbound	100		150	100	200	150	200	150	100	150
<b>Ridge Pike and WM Plaza Exit 2</b>										
Eastbound									75	
Westbound			75*		100*				75	
Northbound										
Southbound										
<b>Ridge Pike and Spring Mill Road</b>										
Eastbound			NA	NA	75	100	75	100	75	100
Westbound			75	100	75	75	75	100	75	
Northbound			NA	NA	NA	NA				
Southbound			NA	NA	NA	NA				
<b>Ridge Pike and Joshua Road</b>										
Eastbound	330	480	175	NA	250	150	330	480	325	550
Westbound	100		175	250	100	175	175	250	175	250
Northbound	160		100	NA	100	NA	160		160	
Southbound	110		150	200	75	200	250	200	250	200
<b>Ridge Pike and Chestnut St. and S. Gilinger Road</b>										
Eastbound			75	NA	100	NA	100		100	
Westbound			NA	100	NA	100		100		
Northbound			NA	NA	NA	NA				
Southbound			NA	NA	NA	NA				
<b>Ridge Pike and Crescent Avenue</b>										
Eastbound			150	NA	250	NA	250		250	
Westbound			NA	150	NA	200		200		
Northbound			NA	NA	NA	NA				
Southbound			NA	NA	NA	NA				

Notes:  
 NA indicates warrant was not met for Left/Right turn lane warrant analysis  
 Bold box indicates turn lane length Incorporated for Alternative 2 - Desired Turn Lanes  
 \*Existing 2018 Traffic Counts are used for analysis

L00191 – Ridge Pike Improvement Project from Harmon Road to Crescent Avenue  
Plymouth and Whitemarsh Townships  
Traffic Data Technical Support

## **Turn Lane Warrant and Length Analysis Workbook Signalized Intersections**

### **Intersection 2: Ridge Pike and Whitemarsh Plaza Exit 2**

1. 2042 Build AM Peak Hour
2. 2042 Build PM Peak Hour

## Turn Lane Warrant and Length Analysis Workbook

### STUDY LOCATION AND ANALYSIS INFORMATION

Municipality: <input type="text" value="Plymouth/ Whitemarsh Township"/>	Analysis Date: <input type="text" value="7/22/2019"/>
County: <input type="text" value="Montgomery County"/>	Conducted By: <input type="text" value="VRM"/>
PennDOT Engineering District: <input type="text" value="6"/>	Checked By: <input type="text" value="-"/>
	Agency/Company Name: <input type="text" value="BSA"/>
Intersection & Approach Description: <input type="text" value="East WM Plaza Entrance and Ridge - Westbound Approach"/>	
Analysis Period: <input type="text" value="Existing"/>	Number of Approach Lanes: <input type="text" value="2"/>
Design Hour: <input type="text" value="AM Peak Hour"/>	Undivided or Divided Highway: <input type="text" value="Undivided"/>
Intersection Control: <input type="text" value="Unsignalized"/>	
Posted Speed Limit (MPH): <input type="text" value="35"/>	Type of Analysis: <input type="text" value="Left Turn Lane"/>
Type of Terrain: <input type="text" value="Level"/>	Left or Right-Turn Lane Analysis?: <input type="text" value="Left Turn Lane"/>

### VOLUME CALCULATIONS

Left Turn Lane Volume Calculations							
Movement	Include?	Volume	% Trucks	PCEV			
Advancing	Left	Yes	67	0.0%	67	Advancing Volume: <input type="text" value="1606"/>	
	Through	-	1515	2.7%	1536		Opposing Volume: <input type="text" value="820"/>
	Right	Yes	3	0.0%	3		Left Turn Volume: <input type="text" value="67"/>
Opposing	Left	Yes	0	0.0%	0	% Left Turns in Advancing Volume: <input type="text" value="4.17%"/>	
	Through	-	795	5.0%	815		
	Right	Yes	3	66.7%	5		
Right Turn Lane Volume Calculations							
Movement	Include?	Volume	% Trucks	PCEV			
Advancing	Left	Yes	67	0.0%	N/A	Advancing Volume: <input type="text" value="N/A"/>	
	Through	-	1515	2.7%	N/A	Right Turn Volume: <input type="text" value="N/A"/>	
	Right	-	3	0.0%	N/A		

### TURN LANE WARRANT FINDINGS

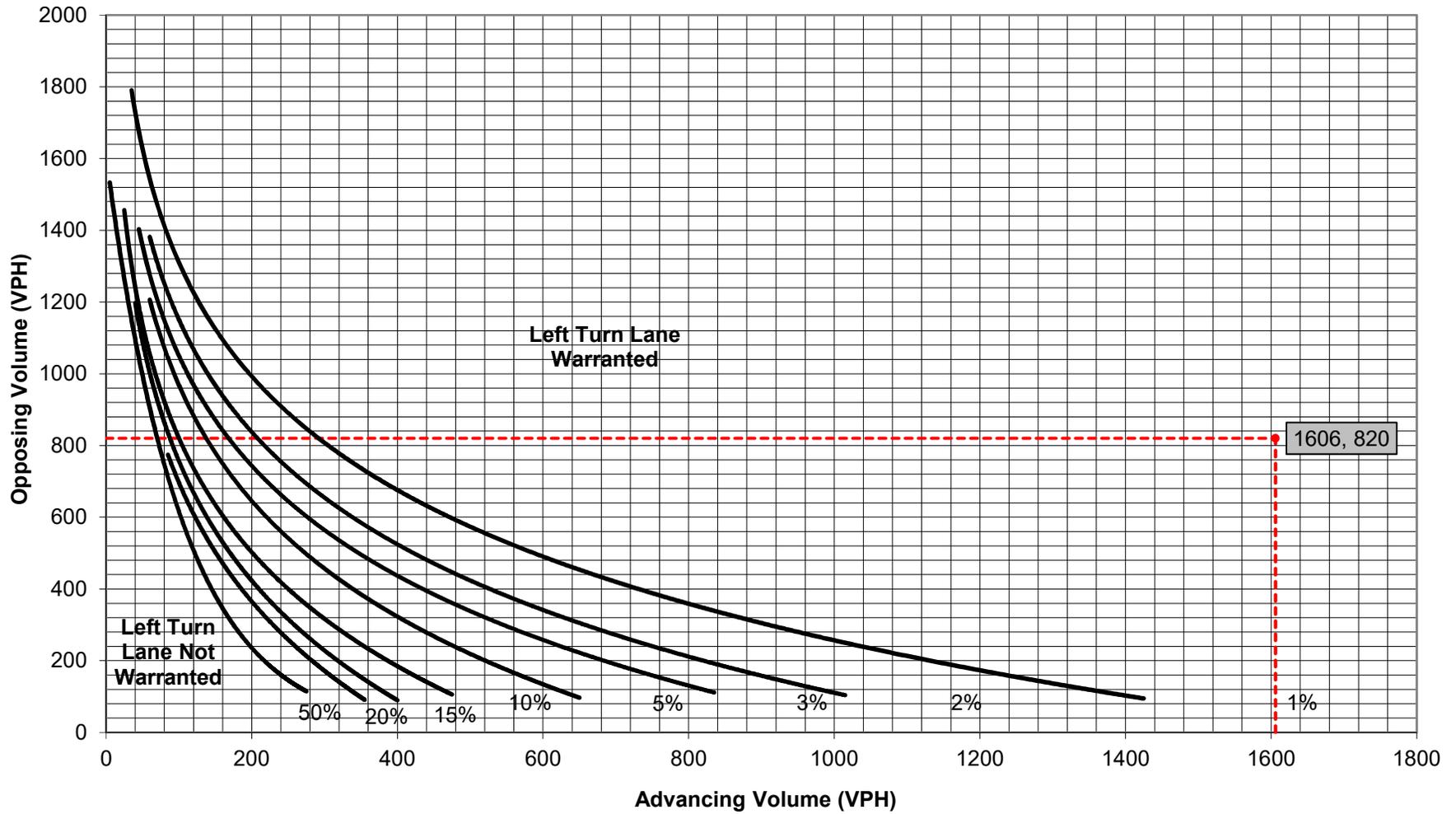
Left Turn Lane Warrant Findings	Right Turn Lane Warrant Findings
Applicable Warrant Figure: <input type="text" value="Figure 7"/>	Applicable Warrant Figure: <input type="text" value="N/A"/>
Warrant Met?: <input type="text" value="Yes"/>	Warrant Met?: <input type="text" value="N/A"/>

### TURN LANE LENGTH CALCULATIONS

Intersection Control: <input type="text" value="Unsignalized"/>						
Design Hour Volume of Turning Lane: <input type="text" value="67"/>						
Cycles Per Hour (Assumed): <input type="text" value="Known"/>						
Cycles Per Hour (If Known): <input type="text" value="60"/>	Average # of Vehicles/Cycle: <input type="text" value="1.0"/>					
PennDOT Publication 46, Exhibit 11-6						
Type of Traffic Control	Speed (MPH)					
	25-35		40-45		50-60	
	Turn Demand Volume					
	High	Low	High	Low	High	Low
Signalized	A	A	B or C	B or C	B or C	B or C
Unsignalized	A	A	C	B	B or C	B
Left Turn Lane Storage Length, Condition A:		<input type="text" value="75"/>	Feet			
Condition B:		<input type="text" value="N/A"/>	Feet			
Condition C:		<input type="text" value="N/A"/>	Feet			
Required Left Turn Lane Storage Length:		<input type="text" value="75"/>	Feet			
Additional Findings:		<input type="text" value="N/A"/>				
Additional Comments / Justifications:						

**Figure 7. Warrant for left turn lanes on four-lane, undivided highways**  
**(unsignalized and signalized intersections)**  
 (L = % Left Turns in Advancing Volume)

• Volume Data Point



## Turn Lane Warrant and Length Analysis Workbook

### STUDY LOCATION AND ANALYSIS INFORMATION

Municipality: <input type="text" value="Plymouth/ Whitemarsh Township"/>	Analysis Date: <input type="text" value="7/22/2019"/>
County: <input type="text" value="Montgomery County"/>	Conducted By: <input type="text" value="VRM"/>
PennDOT Engineering District: <input type="text" value="6"/>	Checked By: <input type="text" value="-"/>
	Agency/Company Name: <input type="text" value="BSA"/>
Intersection & Approach Description: <input type="text" value="East WM Plaza Entrance and Ridge - Westbound Approach"/>	
Analysis Period: <input type="text" value="Existing"/>	Number of Approach Lanes: <input type="text" value="2"/>
Design Hour: <input type="text" value="PM Peak Hour"/>	Undivided or Divided Highway: <input type="text" value="Undivided"/>
Intersection Control: <input type="text" value="Unsignalized"/>	
Posted Speed Limit (MPH): <input type="text" value="35"/>	Type of Analysis: <input type="text" value="Left Turn Lane"/>
Type of Terrain: <input type="text" value="Level"/>	Left or Right-Turn Lane Analysis?: <input type="text" value="Left Turn Lane"/>

### VOLUME CALCULATIONS

Left Turn Lane Volume Calculations							
Movement	Include?	Volume	% Trucks	PCEV			
Advancing	Left	Yes	95	1.5%	96	Advancing Volume: <input type="text" value="1357"/>	
	Through	-	1252	1.0%	1259		Opposing Volume: <input type="text" value="1118"/>
	Right	Yes	2	0.0%	2		Left Turn Volume: <input type="text" value="96"/>
Opposing	Left	Yes	5	0.0%	5	% Left Turns in Advancing Volume: <input type="text" value="7.07%"/>	
	Through	-	1109	0.3%	1111		
	Right	Yes	2	0.0%	2		
Right Turn Lane Volume Calculations							
Movement	Include?	Volume	% Trucks	PCEV			
Advancing	Left	Yes	95	1.5%	N/A	Advancing Volume: <input type="text" value="N/A"/>	
	Through	-	1252	1.0%	N/A		Right Turn Volume: <input type="text" value="N/A"/>
	Right	-	2	0.0%	N/A		

### TURN LANE WARRANT FINDINGS

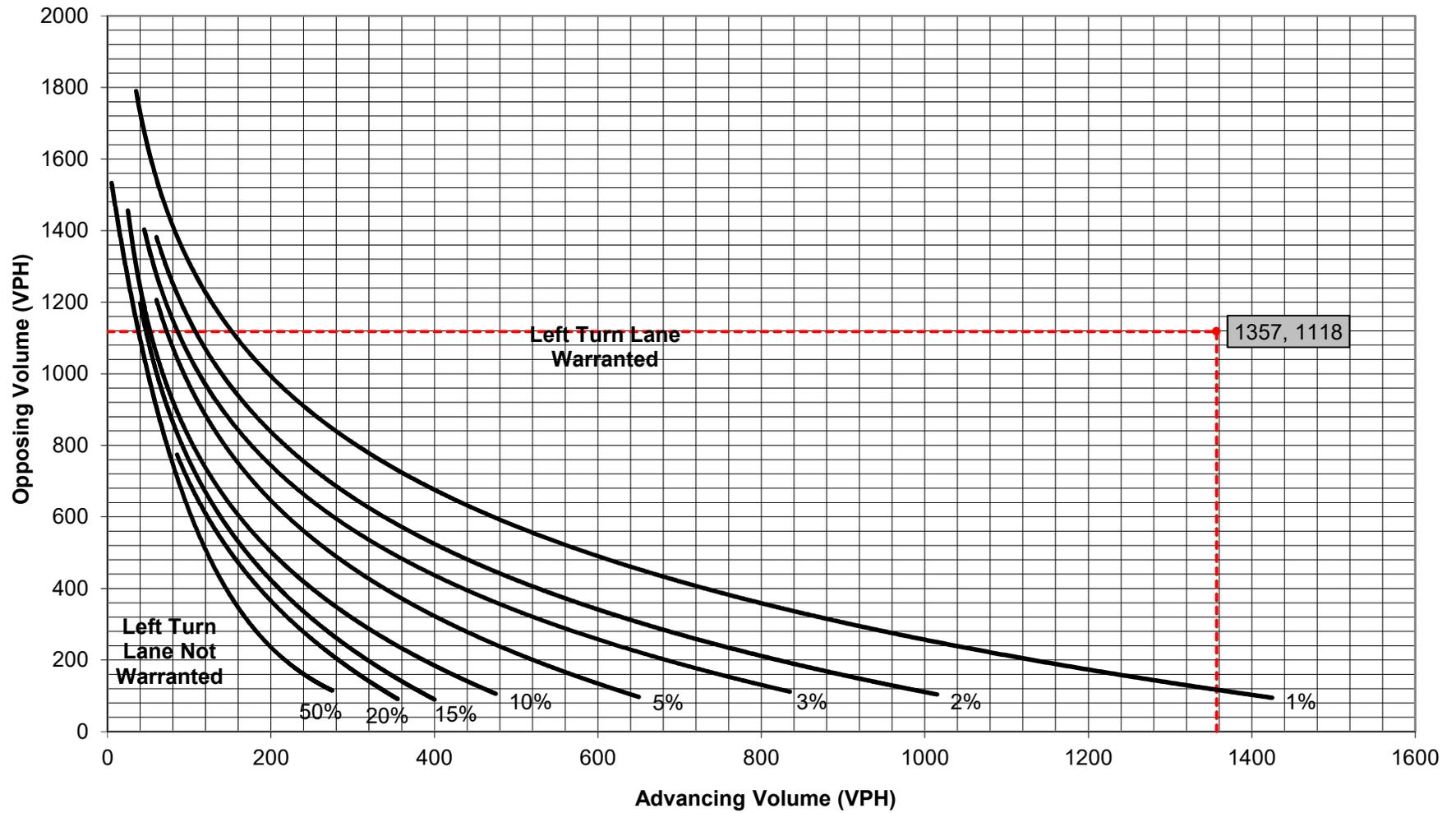
Left Turn Lane Warrant Findings	Right Turn Lane Warrant Findings
Applicable Warrant Figure: <input type="text" value="Figure 7"/>	Applicable Warrant Figure: <input type="text" value="N/A"/>
Warrant Met?: <input type="text" value="Yes"/>	Warrant Met?: <input type="text" value="N/A"/>

### TURN LANE LENGTH CALCULATIONS

Intersection Control: <input type="text" value="Unsignalized"/>						
Design Hour Volume of Turning Lane: <input type="text" value="96"/>						
Cycles Per Hour (Assumed): <input type="text" value="Known"/>						
Cycles Per Hour (If Known): <input type="text" value="60"/>	Average # of Vehicles/Cycle: <input type="text" value="2.0"/>					
PennDOT Publication 46, Exhibit 11-6						
Type of Traffic Control	Speed (MPH)					
	25-35		40-45		50-60	
	Turn Demand Volume					
	High	Low	High	Low	High	Low
Signalized	A	A	B or C	B or C	B or C	B or C
Unsignalized	A	A	C	B	B or C	B
Left Turn Lane Storage Length, Condition A: <input type="text" value="100"/>		Feet				
Condition B: <input type="text" value="N/A"/>		Feet				
Condition C: <input type="text" value="N/A"/>		Feet				
Required Left Turn Lane Storage Length: <input type="text" value="100"/>		Feet				
Additional Findings: <input type="text" value="N/A"/>						
Additional Comments / Justifications: <input style="height: 40px;" type="text"/>						

**Figure 7. Warrant for left turn lanes on four-lane, undivided highways**  
**(unsignalized and signalized intersections)**  
(L = % Left Turns in Advancing Volume)

• Volume Data Point



L00191 - Ridge Pike Improvement Project from Harmon Road to Crescent Avenue  
Plymouth and Whitemarsh Townships  
Traffic Data Technical Support Data

## **Alternative 4 - 2042 AM/PM Proposed Improvements**

1. Synchro Model Maps from Butler Pike to Crescent Avenue
2. Synchro Reports for the Proposed Traffic Signal at the East Whitemarsh Shopping Center Entrance on Ridge Pike

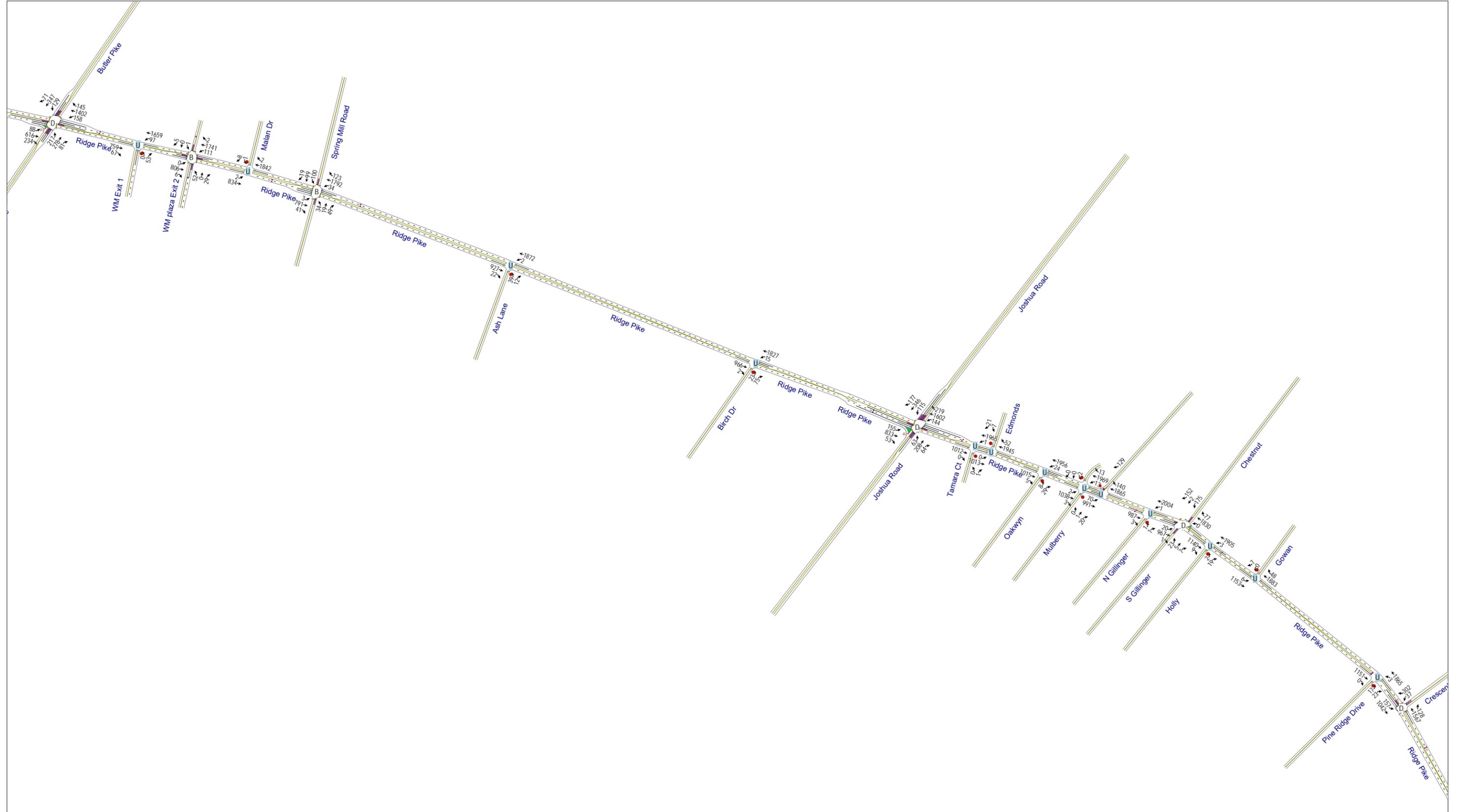


**RK&K**  
Responsive People | Creative Solutions



**Boles Smyth**

**M&S**  
Malick & Scherer, P.C.



# Lanes, Volumes, Timings

## 3: WM plaza Exit 2 & Ridge Pike

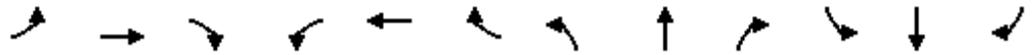
07/23/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	695	5	96	1501	2	45	0	25	1	0	4
Future Volume (vph)	0	695	5	96	1501	2	45	0	25	1	0	4
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	12	10	10	10	10	12	12	12	12	12	12	12
Storage Length (ft)	75		0	75		0	0		0	25		0
Storage Lanes	1		0	1		0	0		1	0		0
Taper Length (ft)	75			75			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Fr <sub>t</sub>		0.999							0.850		0.887	
Fl <sub>t</sub> Protected				0.950				0.950			0.992	
Satd. Flow (prot)	1765	3126	0	1565	3129	0	0	1710	1530	0	1553	0
Fl <sub>t</sub> Permitted				0.303				0.754			0.972	
Satd. Flow (perm)	1765	3126	0	499	3129	0	0	1357	1530	0	1521	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		2							32			27
Link Speed (mph)		35			35			15				35
Link Distance (ft)		364			389			345				250
Travel Time (s)		7.1			7.6			15.7				4.9
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	116%	116%	116%	116%	116%	116%	116%	116%	116%	116%	116%	116%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	0%	2%	0%	2%	2%	2%
Adj. Flow (vph)	0	876	6	121	1893	3	57	0	32	1	0	5
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	882	0	121	1896	0	0	57	32	0	6	0
Enter Blocked Intersection	No											
Lane Alignment	Left	Left	Right									
Median Width(ft)		12			12			0				0
Link Offset(ft)		0			0			0				0
Crosswalk Width(ft)		16			16			16				16
Two way Left Turn Lane												
Headway Factor	1.07	1.17	1.17	1.17	1.17	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	1		1	1		1	2	1	1		2
Detector Template												Left
Leading Detector (ft)	40	0		40	0		40	100	40	20		100
Trailing Detector (ft)	0	0		0	0		0	0	0	0		0
Detector 1 Position(ft)	0	0		0	0		0	0	0	0		0
Detector 1 Size(ft)	40	0		40	0		40	0	40	20		40
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0		0.0
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0		0.0
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0		0.0
Detector 2 Position(ft)								94				94
Detector 2 Size(ft)								6				6
Detector 2 Type								Cl+Ex				Cl+Ex
Detector 2 Channel												
Detector 2 Extend (s)								0.0				0.0

Lanes, Volumes, Timings  
3: WM plaza Exit 2 & Ridge Pike

07/23/2019



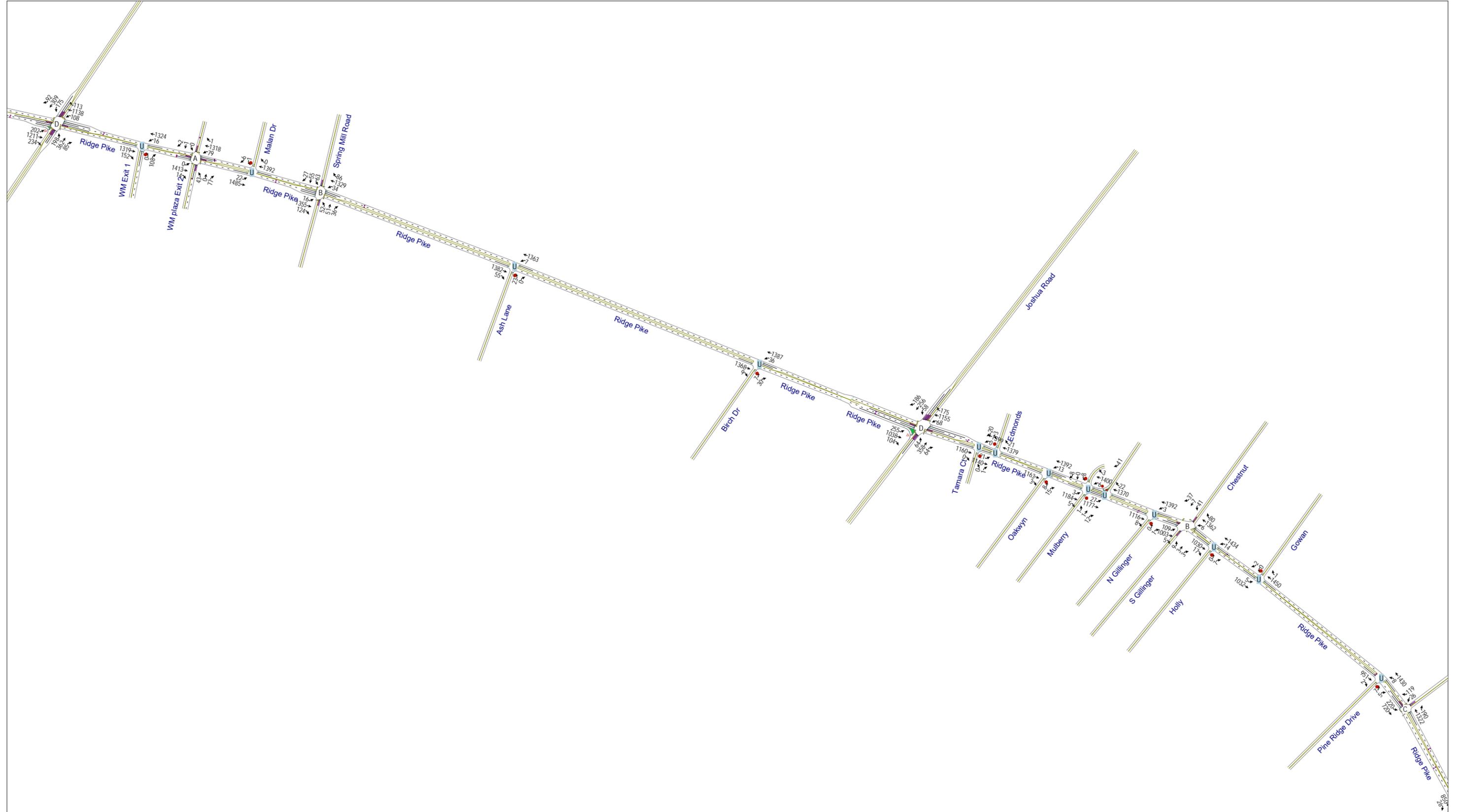
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Turn Type	Perm	NA		Perm	NA		Perm	NA	Perm	Perm	NA	
Protected Phases		2			6			8				4
Permitted Phases	2			6			8		8	4		
Detector Phase	2	2		6	6		8	8	8	4		4
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0	5.0	5.0		5.0
Minimum Split (s)	24.0	24.0		24.0	24.0		24.0	24.0	24.0	24.0		24.0
Total Split (s)	96.0	96.0		96.0	96.0		24.0	24.0	24.0	24.0		24.0
Total Split (%)	80.0%	80.0%		80.0%	80.0%		20.0%	20.0%	20.0%	20.0%		20.0%
Maximum Green (s)	90.0	90.0		90.0	90.0		18.0	18.0	18.0	18.0		18.0
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0		4.0
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0	2.0	2.0		2.0
Lost Time Adjust (s)	-1.5	-1.5		-1.5	-1.5		-1.5	-1.5	-1.5	-1.5		-1.5
Total Lost Time (s)	4.5	4.5		4.5	4.5		4.5	4.5	4.5	4.5		4.5
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0		3.0
Recall Mode	C-Max	C-Max		C-Max	C-Max		Max	Max	Max	Max		Max
Walk Time (s)	7.0	7.0		7.0	7.0		7.0	7.0	7.0	7.0		7.0
Flash Dont Walk (s)	11.0	11.0		11.0	11.0		11.0	11.0	11.0	11.0		11.0
Pedestrian Calls (#/hr)	0	0		0	0		0	0	0	0		0
Act Effect Green (s)		91.5		91.5	91.5		19.5	19.5	19.5	19.5		19.5
Actuated g/C Ratio		0.76		0.76	0.76		0.16	0.16	0.16	0.16		0.16
v/c Ratio		0.37		0.32	0.79		0.26	0.12	0.12	0.12		0.02
Control Delay		3.7		3.8	9.1		47.6	15.2	15.2	15.2		0.2
Queue Delay		0.0		0.0	7.1		0.0	0.0	0.0	0.0		0.0
Total Delay		3.7		3.8	16.3		47.6	15.2	15.2	15.2		0.2
LOS		A		A	B		D	B	B	B		A
Approach Delay		3.7			15.5		35.9					0.2
Approach LOS		A			B		D					A

Intersection Summary

Area Type:	Other
Cycle Length:	120
Actuated Cycle Length:	120
Offset:	0 (0%), Referenced to phase 2:EBTL and 6:WBTL, Start of Yellow
Natural Cycle:	80
Control Type:	Actuated-Coordinated
Maximum v/c Ratio:	0.79
Intersection Signal Delay:	12.6
Intersection LOS:	B
Intersection Capacity Utilization	76.0%
ICU Level of Service	D
Analysis Period (min)	15

Splits and Phases: 3: WM plaza Exit 2 & Ridge Pike





### Lanes, Volumes, Timings 3: WM plaza Exit 2 & Ridge Pike

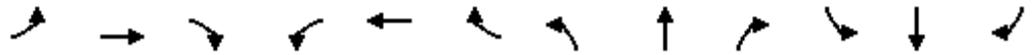
07/23/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1218	12	68	1136	1	37	0	66	0	1	2
Future Volume (vph)	0	1218	12	68	1136	1	37	0	66	0	1	2
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	12	10	10	10	10	12	12	12	12	12	12	12
Storage Length (ft)	75		0	75		0	0		0	0		0
Storage Lanes	1		0	1		0	0		1	0		0
Taper Length (ft)	75			75			0			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Fr <sub>t</sub>		0.998							0.850		0.899	
Fl <sub>t</sub> Protected				0.950				0.950				
Satd. Flow (prot)	1765	3186	0	1565	3160	0	0	1710	1530	0	1586	0
Fl <sub>t</sub> Permitted				0.120				0.755				
Satd. Flow (perm)	1765	3186	0	198	3160	0	0	1359	1530	0	1586	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		3						62			3	
Link Speed (mph)		35			35			15			35	
Link Distance (ft)		364			389			345			250	
Travel Time (s)		7.1			7.6			15.7			4.9	
Peak Hour Factor	0.92	0.92	0.75	0.90	0.94	0.92	0.71	0.92	0.75	0.92	0.92	0.92
Growth Factor	116%	116%	116%	116%	116%	116%	116%	116%	116%	116%	116%	116%
Heavy Vehicles (%)	2%	0%	0%	2%	1%	2%	0%	2%	0%	2%	2%	2%
Adj. Flow (vph)	0	1536	19	88	1402	1	60	0	102	0	1	3
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	1555	0	88	1403	0	0	60	102	0	4	0
Enter Blocked Intersection	No											
Lane Alignment	Left	Left	Right									
Median Width(ft)		12			12			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.07	1.17	1.17	1.17	1.17	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2	1	1	2	
Detector Template							Left			Left		
Leading Detector (ft)	40	100		40	100		20	100	40	20	100	
Trailing Detector (ft)	0	0		0	0		0	0	0	0	0	
Detector 1 Position(ft)	0	0		0	0		0	0	0	0	0	
Detector 1 Size(ft)	40	0		40	0		20	0	40	20	40	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	

Lanes, Volumes, Timings  
3: WM plaza Exit 2 & Ridge Pike

07/23/2019



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Turn Type	Perm	NA		Perm	NA		Perm	NA	Perm		NA	
Protected Phases		2			6			8				4
Permitted Phases	2			6			8		8	4		
Detector Phase	2	2		6	6		8	8	8	4		4
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0	5.0	5.0		5.0
Minimum Split (s)	24.0	24.0		24.0	24.0		24.0	24.0	24.0	24.0		24.0
Total Split (s)	76.0	76.0		76.0	76.0		24.0	24.0	24.0	24.0		24.0
Total Split (%)	76.0%	76.0%		76.0%	76.0%		24.0%	24.0%	24.0%	24.0%		24.0%
Maximum Green (s)	70.0	70.0		70.0	70.0		18.0	18.0	18.0	18.0		18.0
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0		4.0
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0	2.0	2.0		2.0
Lost Time Adjust (s)	-1.5	-1.5		-1.5	-1.5		-1.5	-1.5	-1.5	-1.5		-1.5
Total Lost Time (s)	4.5	4.5		4.5	4.5		4.5	4.5	4.5	4.5		4.5
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0	3.0		3.0
Recall Mode	C-Max	C-Max		C-Max	C-Max		Max	Max	Max	Max		Max
Walk Time (s)	7.0	7.0		7.0	7.0		7.0	7.0	7.0	7.0		7.0
Flash Dont Walk (s)	11.0	11.0		11.0	11.0		11.0	11.0	11.0	11.0		11.0
Pedestrian Calls (#/hr)	0	0		0	0		0	0	0	0		0
Act Effect Green (s)		71.5		71.5	71.5		19.5	19.5	19.5	19.5		19.5
Actuated g/C Ratio		0.72		0.72	0.72		0.20	0.20	0.20	0.20		0.20
v/c Ratio		0.68		0.62	0.62		0.23	0.29	0.29	0.29		0.01
Control Delay		9.9		24.8	6.4		36.6	18.2	18.2	18.2		23.8
Queue Delay		0.0		0.0	0.0		0.0	0.0	0.0	0.0		0.0
Total Delay		9.9		24.8	6.4		36.6	18.2	18.2	18.2		23.8
LOS		A		C	A		D	B	B	B		C
Approach Delay		9.9		7.5	7.5		25.0	25.0	25.0	25.0		23.8
Approach LOS		A		A	A		C	C	C	C		C

Intersection Summary

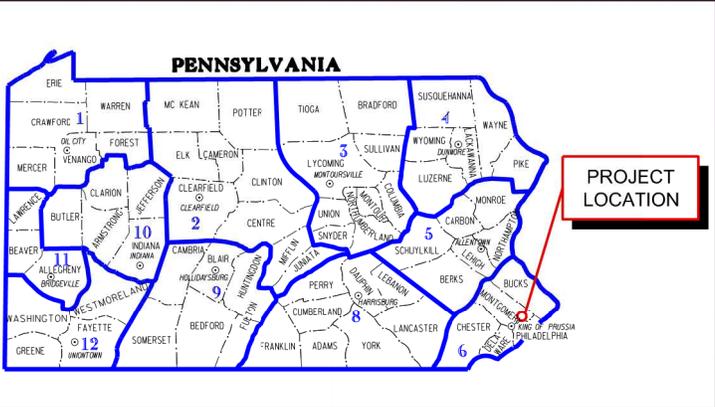
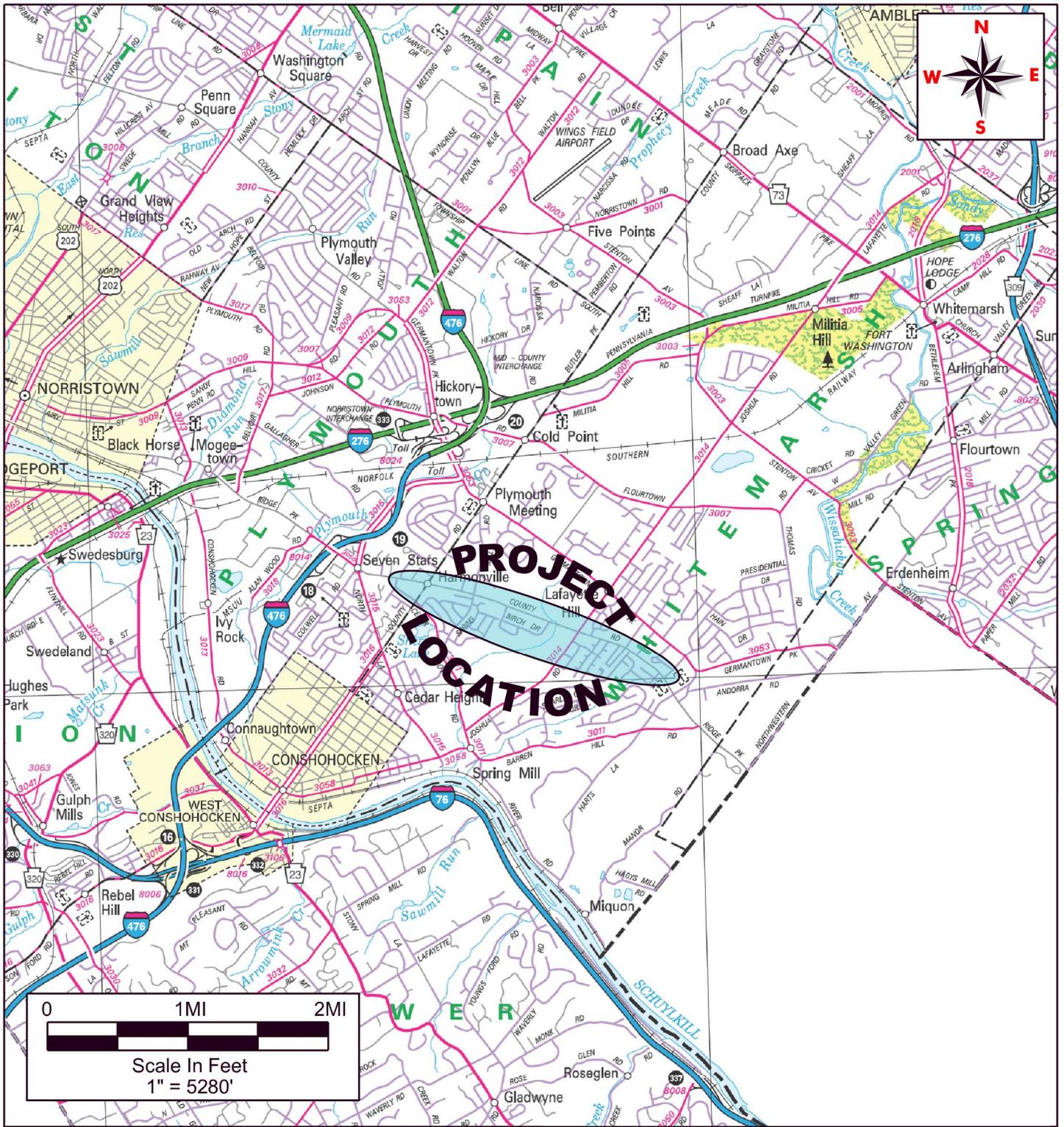
Area Type: Other  
 Cycle Length: 100  
 Actuated Cycle Length: 100  
 Offset: 0 (0%), Referenced to phase 2:EBTL and 6:WBTL, Start of Yellow  
 Natural Cycle: 80  
 Control Type: Actuated-Coordinated  
 Maximum v/c Ratio: 0.68  
 Intersection Signal Delay: 9.6  
 Intersection Capacity Utilization 66.7%  
 Analysis Period (min) 15  
 Intersection LOS: A  
 ICU Level of Service C

Splits and Phases: 3: WM plaza Exit 2 & Ridge Pike



2015, 2016, and 2017 Crashes from Open Data PA

Index No.	Crash Record Number	Municipality Name	Crash Year	Crash Month	Day of Week	Time of Day	Illumination	Weather	Road Condition	Collision Type	Intersection Type	Fatality Count	Injury Count	Person Count	Ped Count	Vehicle Count	Prop Dmg Only	Max Severity	Notes
1	2017008689	Plymouth Twp	2017	1	6	820	Daylight	No adverse conditions	Dry	Angle	"T" intersection	0	0	2	0	2	Yes	Not Injured	
2	2015105670	Plymouth Twp	2015	10	4	1510	Daylight	No adverse conditions	Dry	Angle	T intersection	0	0	2	0	2	Yes	Not Injured	
3	2015106731	Plymouth Twp	2015	10	6	1622	Daylight	No adverse conditions	Dry	Angle	T intersection	0	1	2	0	2	No	Injury/Unknown Severity	
4	2015100531	Plymouth Twp	2015	10	5	218	Dark street lights	No adverse conditions	Dry	Hit fixed object	Mid-block	0	0	1	0	1	Yes	Not Injured	
5	2016121502	Plymouth Twp	2016	11	7	1948	Dark street lights	No adverse conditions	Dry	Angle	T intersection	1	2	3	0	2	No	Killed	
6	2016006551	Plymouth Twp	2016	1	7	1745	Dark street lights	No adverse conditions	Dry	Angle	T intersection	0	1	5	0	2	No	Minor Injury	
7	2016120401	Plymouth Twp	2016	11	4	1700	Dark street lights	No adverse conditions	Dry	Angle	Mid-block	0	0	4	0	2	Yes	Not Injured	
8	2016065685	Plymouth Twp	2016	6	3	1552	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	1	2	0	2	No	Moderate Injury	
9	2016095849	Plymouth Twp	2016	9	2	1438	Daylight	Rain	Wet	Angle	Mid-block	0	1	2	0	2	No	Injury/Unknown Severity	
10	2016027203	Plymouth Twp	2016	3	5	1544	Daylight	No adverse conditions	Dry	Hit pedestrian	Mid-block	0	1	3	1	1	No	Moderate Injury	
11	2017073000	Plymouth Twp	2017	7	2	1511	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	0	2	0	2	Yes	Not Injured	
12	2016065634	Plymouth Twp	2016	6	2	2053	Dark street lights	Rain	Wet	6	Mid-block	0	0	7	0	2	Yes	Not Injured	
13	2015005823	Plymouth Twp	2015	1	2	1301	Daylight	Rain	Wet	Angle	Mid-block	0	0	2	0	2	Yes	Not Injured	
14	2016059875	Plymouth Twp	2016	6	2	933	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	1	5	0	2	No	Minor Injury	
15	2016078525	Plymouth Twp	2016	8	5	1242	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	1	2	0	2	No	Moderate Injury	
16	2016089511	Plymouth Twp	2016	8	4	945	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	0	2	0	2	Yes	Not Injured	
17	2016082678	Plymouth Twp	2016	8	7	1248	Daylight	No adverse conditions	Dry	Hit fixed object	Mid-block	0	0	1	0	1	Yes	Not Injured	
18	2016102480	Plymouth Twp	2016	10	4	1721	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	1	2	0	2	No	Minor Injury	
19	2017023974	Plymouth Twp	2017	3	6	1858	Dark - street lights	No adverse conditions	Dry	Angle	Mid-block	0	0	3	0	2	Yes	Not Injured	
20	2015072767	Plymouth Twp	2015	7	4	620	Daylight	Rain	Wet	Angle	Mid-block	0	1	2	0	2	No	Injury/Unknown Severity	
21	2016000784	Plymouth Twp	2016	1	2	707	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	0	2	0	2	Yes	Not Injured	
22	2017040604	Plymouth Twp	2017	4	4	1814	Dusk	No adverse conditions	Dry	Angle	Mid-block	0	0	2	0	2	Yes	Not Injured	
23	2017058671	Plymouth Twp	2017	6	5	941	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	0	3	0	2	Yes	Not Injured	
24	2017080380	Plymouth Twp	2017	8	2	923	Daylight	Rain	Dry	Angle	Mid-block	0	1	8	0	4	No	Injury/Unknown Severity	
25	2016004739	Plymouth Twp	2016	1	4	40	Dark street lights	No adverse conditions	Dry	Hit fixed object	Mid-block	0	0	1	0	1	Yes	Not Injured	
26	2015017101	Plymouth Twp	2015	2	1	1600	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	3	4	0	2	No	Minor Injury	
27	2015073153	Plymouth Twp	2015	7	5	949	Daylight	No adverse conditions	Dry	Hit fixed object	Mid-block	0	0	1	0	1	Yes	Not Injured	
28	2015016559	Plymouth Twp	2015	2	6	1806	Dark street lights	No adverse conditions	Dry	Angle	Four way intersection	0	0	2	0	2	Yes	Not Injured	
29	2015117180	Whitemarsh Twp	2015	11	3	2111	Dark street lights	Rain	Wet	Hit fixed object	Four way intersection	0	0	1	0	1	Yes	Not Injured	
30	2016034605	Whitemarsh Twp	2016	4	7	2341	Dark street lights	Rain	Wet	Angle	Four way intersection	0	1	2	0	2	No	Injury/Unknown Severity	
31	2016053013	Whitemarsh Twp	2016	5	3	1813	Daylight	No adverse conditions	Dry	Angle	Four way intersection	0	1	2	0	1	No	Injury/Unknown Severity	
32	2017004913	Whitemarsh Twp	2017	1	4	2107	Dark - street lights	Rain	Wet	Angle	Four way intersection	0	0	2	0	2	Yes	Not Injured	
33	2017060920	Whitemarsh Twp	2017	6	7	1325	Daylight	No adverse conditions	Dry	Rear-end	Four way intersection	0	1	4	0	2	No	Injury/Unknown Severity	
34	2017108966	Whitemarsh Twp	2017	10	6	2048	Dark - street lights	No adverse conditions	Dry	Angle	Four way intersection	0	3	3	0	2	No	Major Injury	
35	2017116298	Whitemarsh Twp	2017	11	7	1350	Daylight	No adverse conditions	Dry	Hit fixed object	Four way intersection	0	0	3	0	3	Yes	Not Injured	
36	2015129361	Whitemarsh Twp	2015	12	7	1318	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	0	3	0	3	Yes	Not Injured	
37	2017040844	Whitemarsh Twp	2017	4	5	1622	Daylight	No adverse conditions	Dry	Rear-end	Mid-block	0	0	4	0	2	Yes	Not Injured	
38	2016101292	Whitemarsh Twp	2016	9	6	1935	Dark street lights	Rain	Wet	Angle	Mid-block	0	2	2	0	2	No	Moderate Injury	
39	2017043904	Whitemarsh Twp	2017	4	5	1343	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	0	3	0	3	Yes	Not Injured	
40	2017107250	Whitemarsh Twp	2017	10	2	1957	Dark - street lights	No adverse conditions	Dry	Angle	Mid-block	0	0	3	0	2	Yes	Not Injured	
41	2017112573	Whitemarsh Twp	2017	10	3	1225	Daylight	No adverse conditions	Dry	Angle	Mid-block	0	0	2	0	2	Yes	Not Injured	
42	2015126704	Whitemarsh Twp	2015	12	6	1723	Dark street lights	No adverse conditions	Dry	Angle	Mid-block	0	0	2	0	2	Yes	Not Injured	
43	2017022599	Plymouth Twp	2017	2	2	120	Dark - street lights	No adverse conditions	Dry	Hit fixed object	Mid-block	0	1	1	0	1	No	Moderate Injury	
44	2016069311	Whitemarsh Twp	2016	7	2	1714	Daylight	No adverse conditions	Dry	Rear-end	T intersection	0	0	2	0	2	Yes	Not Injured	
45	2015006494	Whitemarsh Twp	2015	1	6	1730	Dark street lights	No adverse conditions	Dry	Rear-end	T intersection	0	0	3	0	3	Yes	Not Injured	
46	2017068401	Whitemarsh Twp	2017	7	3	1340	Daylight	No adverse conditions	Dry	Rear-end	Mid-block	0	1	4	0	2	No	Minor Injury	
47	2015044297	Whitemarsh Twp	2015	4	3	705	Daylight	No adverse conditions	Wet	Angle	Four way intersection	0	1	12	0	2	No	Minor Injury	
48	2015075953	Whitemarsh Twp	2015	7	5	1610	Daylight	No adverse conditions	Dry	Angle	Four way intersection	0	0	3	0	2	Yes	Unknown	
49	2015072406	Whitemarsh Twp	2015	7	2	1715	Daylight	No adverse conditions	Dry	Head-on	Four way intersection	0	0	2	0	2	Yes	Not Injured	
50	2015079880	Whitemarsh Twp	2015	8	3	1216	Daylight	No adverse conditions	Dry	Rear-end	Four way intersection	0	0	3	0	2	Yes	Not Injured	
51	2015099878	Whitemarsh Twp	2015	9	3	943	Daylight	No adverse conditions	Dry	Angle	Four way intersection	0	0	3	0	3	Yes	Not Injured	
52	2015133629	Whitemarsh Twp	2015	12	3	732	Daylight	Rain	Wet	Rear-end	Four way intersection	0	0	2	0	2	Yes	Not Injured	



 <p><b>pennsylvania</b> DEPARTMENT OF TRANSPORTATION</p>	
<p><b>LOCATION MAP</b> RIDGE PIKE WHITEMARSH TOWNSHIP PLYMOUTH TOWNSHIP MONTGOMERY COUNTY</p>	
	<p>NOVEMBER 2018</p>
<p>Figure 1</p>	

Reference: PennDOT Type-10 County Maps

Montgomery Co. - Ridge Pike Reconstruction (Section C)  
Harmon Road (west of Butler Pike) to Crescent Avenue

7/9/2020

29 Ridge Pike  
Conshohocken, Pennsylvania  
View on Google Maps



maps.us.nearmap.com

*Photo 1 - Ridge Pike looking eastbound at the east entrance of the Whitemarsh Shopping Center.*

7/9/2020

35 Ridge Pike  
Conshohocken, Pennsylvania  
View on Google Maps



maps.us.nearmap.com

*Photo 2 - Ridge Pike looking westbound at the east entrance of the Whitemarsh Shopping Center.*

Montgomery Co. - Ridge Pike Reconstruction (Section C)  
Harmon Road (west of Butler Pike) to Crescent Avenue

7/9/2020



maps.us.nearmap.com *Photo 3 - East entrance of the Whitmarsh Shopping Center looking northbound at Ridge Pike and the Senior Village exit.*

7/9/2020



maps.us.nearmap.com *Photo 4 - Ridge Pike looking westbound at the Senior Village exit on the north side of Ridge Pike (offset intersection).*

Montgomery Co. - Ridge Pike Reconstruction (Section C)  
Harmon Road (west of Butler Pike) to Crescent Avenue

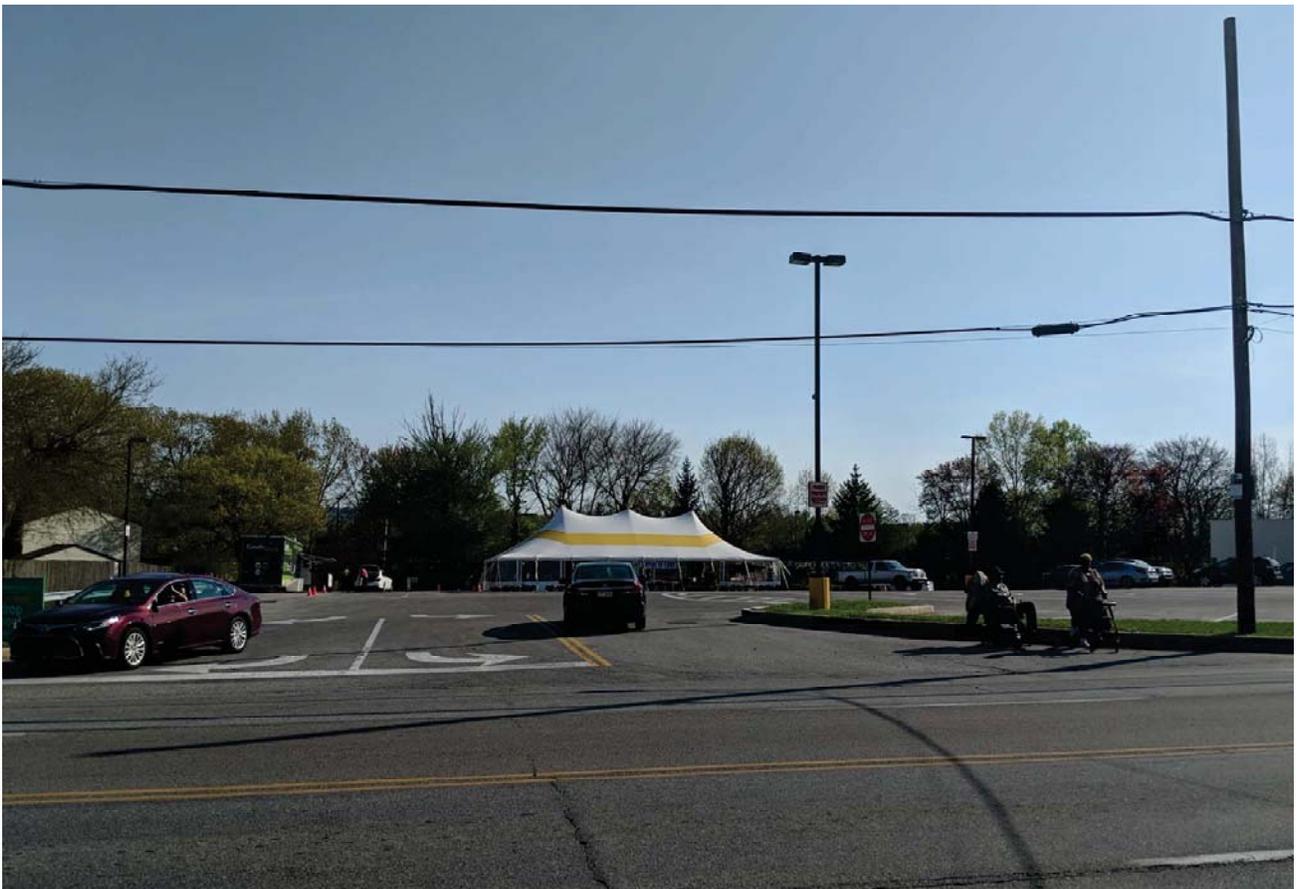
7/9/2020

48 Ridge Pike  
Conshohocken, Pennsylvania  
[View on Google Maps](#)



maps.us.nearmap.com

*Photo 5 - Ridge Pike looking eastbound at the Senior Village exit on the north side of Ridge Pike (offset intersection).*



*Photo 6 - Looking southbound at the east entrance of the Whitemarsh Shopping Center. Two people were observed crossing the street mid-block on May 3, 2018.*