



WARRINGTON TOWNSHIP PUBLIC WORKS

2019 Year in Review

Public Works consists of a Director who oversees the daily operations of the department, 10 full-time operational employees, 7 part-time/seasonal employees, 1 part-time administrative assistant.

The Warrington Township Department of Public Works stands ready to provide the essential services needed to ensure that our infrastructure is designed, built, maintained and repaired to support the high quality of life that Warrington residents and businesses expect and deserve.

Residents and businesses of Warrington rely on Public Works each day to provide a level of service that includes maintenance of over 83 miles of township roads, snow plowing and salting during winter emergencies, traffic signals, parks and tot lot maintenance, stormwater systems, stormwater catch basins, buildings and facility maintenance, The Mary Barness Tennis and Swim Club pool facilities maintenance and chlorination systems, as well as fleet maintenance throughout the township, in a professional and efficient manner.

PUBLIC WORKS MISSION STATEMENT

Warrington Township Public Works Department is to provide essential services and to serve the citizens of Warrington in a prompt, courteous, safe, efficient and cost-effective manner. Public Works, through its dedicated personnel, strives to enhance the quality of life through planning, innovative practices, and maintaining public infrastructure in a manner that respects the environment and the ability of Warrington to adequately preserve these assets for generations to come.

Awards – Employee of the Year

Warrington Township selects dedicated, outstanding employees from all of the departments throughout Warrington Township. Every winner whether the employee of the year or each departments runner up demonstrates a professional work ethic that goes well beyond the expected. Warrington Township's runner up employee of the year at Public Works for 2019 was Cory Cooper. He received this award not only for his hard work and commitment to his job, but for his overall approach to sustain a professional growth strategy here at Public Works. Well deserved, Congratulations Cory Cooper.



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Mechanical Shop

Our Public Works mechanical shop is second to none in providing an excellent professional service to Warrington Township. We conduct all of our own motor vehicle state inspections and state emissions Inspections Township wide; this is in addition to all routine maintenance on motor vehicles and motorized equipment. The emissions machine was a great addition in 2019 and it has proven to be an efficient and cost saving addition. Our Chief Mechanic John Gross along with mechanic Zachary Hunter maintain an enormous fleet of police vehicles and township administration vehicles, while at the same time maintaining Public Work's fleet of trucks and heavy equipment. Chief Mechanic John Gross, a 2017 Employee of the Year award winner, continues to apply and refine the skills needed to maintain the highest standards of professional excellence.

Environmental Leap forward

Our commitment to the Environmental Advisory Committee

Public Works will continue to support the many initiatives that the EAC (Environmental Advisory Committee), Warrington Township Historical Committee, as well as the Bike and Hike Committee have in store for us.

Flow Channel Modifications - EAC

Public Works in conjunction with the Environmental Advisory Committee and CKS Engineering completed flow channel modifications at the water retention basin located at Pickertown and Folly Roads. The EAC was able to secure a grant that supplied the funds to make these improvements at this basin that reflect current environmental standards. One section of concrete flow channel was removed that extended from Pickertown Road down to the main flow channel. Three 15 foot sections of the main flow channel that runs east to west was removed and filled with R-4 stone. A 10' X 20' X 18" deep pit was excavated and filled with R-4 stone at the Pickertown Road outflow headwall. Four raised planting beds were added in addition to grading and seeding to naturalize the basin floor.



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18th Annual Warrington Community Day -EAC

Public works personnel attended the 18th annual Warrington Community Day. Personnel provided mulch and assisted with planting, mulching, maintenance projects as well as overall cleanup throughout the township.

Trees Planted - EAC

A total of 55 trees were planted by Public Works personnel all along the walking path and Tot Lot at Barness Park this past summer. The trees were provided to the township free of charge through efforts of the EAC.

IPW Memorial Garden Excavation - EAC

Public Works assisted the EAC by excavating the accumulation of old mulch and removal of a concrete pad from the garden area. New fencing was purchased and painted for the EAC to install.

Somerset Walk Basin Cleanout

Vegetation and debris was removed from the basin flow channel due to potential flooding.

STORMWATER PROJECTS

Storm water maintenance is always a priority. Below is a partial list of what was accomplished during the 2019 year.

- 2019 C-Top Stormwater Inlets Replaced at the following locations:
 - Folly Road at Street Road
 - Rebecca Court
 - Bradley at Folly
 - Buttercup Blvd and inlet box
 - Fawn Lane
 - Foal Circle
 - Oakfield
 - Greensward



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- Heavy equipment trenched a 200-foot section of Evergreen Road at Oak where extensive flooding occurs during heavy rainfall. An M-Top collection unit was lowered to accommodate stormwater flow.
- Heavy equipment trenched the length of Bradley Road to allow stormwater to flow freely to crossover pipes installed on Bradley Road
- Installed two crossover pipes on Mill Creek Road, as well as a 50' section on private property that emptied into a stream.
- Ditched Kelly Road and Culvert Cleanout due to stormwater flooding the roadway and adjacent properties.
- Stormwater sediment was excavated from a culvert on Greensward S. by Wedge Way due to flooding during inclement weather. The area was graded and erosion control measures (R-4) put in place.
- Constructed a 400 foot stormwater swale utilizing heavy equipment at Arabian and Gait Circle. This will eliminate flood waters from encroaching on local residential property.
- Stormwater drainage improvement 3600 block Pickertown Road. Excavated a 3 foot X 100 foot swale and relocated a stone headwall in order to facilitate flood waters.
- Stormwater inlet sinkhole repaired on Green Ash Lane. Re-mortared the stormwater box and blacktopped the area.

- Repaired a 6-foot-deep sinkhole that developed at the wing wall on Palomino Drive by Roan. The wing Wall was repaired with concrete and backfilled.
- A sinkhole was repaired on Greensward N. and new curbs installed.

Special Projects

Street Road Gravel Bar Removal – PA. Dept. of Environmental Protection Permit No. E09-1007

Personnel completed the removal of the sediment gravel bar on Street Road just west of the entrance to the Special Equestrian Center. The removal of the accumulated debris along a 225-foot tributary to the Little Neshaminy Creek diminished flooding at that location during extreme weather conditions. Our adherence to strict DEP guidelines associated with the Dam Safety and Encroachments Act, Flood Plain Management Act and Clean Streams Law, proved to be challenging.



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Yard Waste Contract Change

Warrington Township decided not to renew the contract with Warwick Grinders due to yearly fee increases and additional fees for large logs. Warrington currently signed a contract with Britton Industries in Telford who will provide the township and residents with leaf, tree and yard waste disposal free of charge. No additional fees will be charged. This will provide a significant savings for the township and residents.

Meeting Room Safety Measures Installed

Safety measures were installed in and around the meeting room at the Township Administration building. These measures will enhance the safety for all participants utilizing the facility.

Station 78 Construction Project

Constructed a new Fire Marshal's office at Station 78. On the second floor a closet wall and double door entrance was removed and a new wall constructed to provide access to a new office measuring 12x12 foot. Ceiling light fixtures were added and other electrical changes were made.

Police K-9 Agility Course Constructed

Installed eight (8) concrete pads, approximately 4 yards of concrete at the Lower Nike Park/John Paul Park for the police K-9 agility course.

Installed two banks of Evidence Lockers outside the evidence room at police headquarters.

Fortified Hut Removal – Adjacent to Walmart

Personnel along with heavy equipment removed a wooden fort in the woods adjacent to the Walmart store. A wooded bridge that spanned a small creek a short distance away was also removed. This removal eliminated a potential public safety issue in that general area.

Fencing Installed at New Police Headquarters Construction Site

Approximately 580' foot of vinyl privacy fencing was installed along the western edge of the new police headquarters.



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Crosswalks installed

Installed crosswalks at the following locations: Shetland and Palomino, Brandis and Greyhorse, Folly and Bradley, Bradley and Barton and Bellflower and Buttercup.

HVAC Rooftop Replacement and Repairs

Installed a new rooftop HVAC unit at the Township Administration building. The unit replaced cooled the basement on the lower level of the police department. Bauman Crane Co. assisted with providing crane support to remove and place the new unit.

HVAC Tech repaired a rooftop unit that was malfunctioning. The 6th heatwave of the summer added a level of stress on all of the units at the Township Administration Offices. Two transformers were found defective and replaced.

Installed a new HVAC unit at 2210 Shetland Drive. The replacement unit saved the township in excess of \$4,000.00.

Eight new electrical lines were installed in seven different administrative offices in order to accommodate space heaters during winter months.

Dept. Environmental Protection (DEP) Fuel Pump Inspections

A DEP certified third party inspector from Crompco Inc. responded on April 29th and conducted the inspection and testing. The pumps, maintained by Public Works and inspected monthly passed the inspection. Our next inspection will be April of 2022

Severe Crash – MS4 Response

Due to a severe crash on Upper State Road and Rt. 152 that was leaking diesel fuel, Public Works was tasked with building a dam to protect our stormwater system. Sand was deployed in order to achieve this very important task. Several stormwater inlets were protected from this potential contamination.

Park and Rec Projects

Tot Lots and Park Restorations

Public Works reconditioned numerous Tot Lots throughout the Township. All of the Parks and Tot Lots were inspected by our certified park inspector and new certified playground mulch



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added where needed. These inspections are essential to identifying deficiencies that require repair or replacement of park infrastructure for safety reasons.

Mary Barnes Swim Club Filtration System Installed

Installed a new water filtration system at the Lap Pool. The old filtration system was removed and a new concrete pad installed prior to the arrival of the new system. Two large filtration tanks and piping was installed that completed the project. Public Works saved the township residence in excess of \$6,000.00 by taking on this endeavor.

Public Works personnel completed an extensive list of maintenance items in order for a smooth successful 2019 swim club opening day. Personnel spend approximately three weeks tending to the many tasks necessary to beautify the club and play grounds. Our pool certified personnel continued to provide support throughout the pool season by maintaining the filtration pumps, chlorine system and overall hygiene of the pools.

IPW Park Pole Light Installed and Electrical additions

Our electrical personnel installed a new parking lot light at the band stand area at IPW. A concrete pad along with electrical wiring was placed in order to install the pole light. This light will provide a level of safety during Warrington Day events that take place at the park.

Two Spot lights and multiple electrical outlets were installed at IPW Park. These electrical additions will provide a better and safer approach when supplying electrical needs for the band stand and local Warrington Day vendors.

IPW Pavilion Restroom Renovations - 2019

Public Works personnel renovated the restrooms at IPW. The tile flooring was replaced with 12x12 vinyl floor tiles; Walls and ceilings received a fresh coat of paint. New baseboard heaters were installed as well as baby changing tables added to the men's and ladies restrooms.

Basketball Courts Restored

Basketball courts at King Park and Palomino Park underwent a makeover. New nets and a fresh coat of paint restored the courts to proper playing condition.



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Barness Park Stormwater Pits Excavated

Public Works excavated two stormwater pits measuring 8'x8'x5' deep at Barness Park at the request of Warrington Baseball. These pits will assist in field drainage. An assortment of other supplies i.e. PVC piping, 3" ballast stone and 1/4 clean stone, as well as geotextile fabric and top soil associated with the construction project was provided.

Handicapped Path Installed

Installed fencing and a handicapped stone path to the new dugouts at the Tim Raymond's Field, Barness Park.

Floodwater Erosion Control Berm Installed

Public Works Utilizing heavy equipment, installed a 225 foot raised berm to control flood water from eroding a practice field at Barness Parks.

Park Fencing Projects

Personnel replaced and repaired fencing throughout Barness Park. Restorations took place on Baseball and softball fields.

Due to safety concerns we re-installed 150 foot of new fencing at the Tim Raymond's Field, Barness Park. The original new fencing was deemed defective and contained sharp edges that concerned baseball officials.

Removed a dilapidated softball backstop and replaced it with a new backstop at a considerable savings at Barness Park.

Removed approximately 400 foot of chain link fencing in preparation of construction of the new Lions Pride Park.

Tree Removal

Approximately 15 dead trees were removed from Barness Park during 2019. These trees presented a danger to pedestrian's and motor vehicle travel.

Approximately 40 dead trees were dropped at John Paul Park/Lower Nike due to the significant danger they presented to pedestrians.



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Winter Storm Events

Public Works responded to 11 Winter Storm Events for 2019. This required the department to either plow and/or salt the township's roadways. A total of 1,231 tons of salt was used for these winter events.

Thank you for investing your time to read about the efforts put forth by our Public Works staff. Going forward, Public Works will continue to focus on our goals and manage projects in a cost efficient manner. We look forward to providing an exceptional service to you in 2020. Warrington Township is an amazing place to work, visit and reside.