

PUBLIC WORKS OPERATIONS

MONTHLY ACTIVITY REPORT

August 2019

STREETS & FLEET	
Road Construction Crew	
Resurfacing Program	After a few Micro Surfacing repairs next week the program will be complete.
Installed new storm basin	Approx. 900 feet of 30" storm sewer pipe has been replaced along the edge of Old Route 19.
Storm Sewer basins	Repaired several catch basins at North Boundary Park parking lots.
Shooting Range Upgrades	Several modifications were made to the range as requested by the PD.
Salt Storage	3,800 tons of rock salt delivered.
Fleet Maintenance (Scheduled)	
Vehicle or Equip. Repairs Description of Work	
Ventrac Mowers	Multiple mowers with break downs and repairs
1630 Peterbilt	Replaced blown hydraulic line and fluid
1615 Ford F550	Replaced tires and rear exhaust
1613 Dodge 5500	Replaced starter
1623 International tandem	Replaced exhaust and muffler, starter and engine ground
1708 International	Replaced leaking cab air ride valve
1721 Dodge 5500	Removed bed hoist, rebuilt it and reinstalled
JD 850 tractor	Replaced leaking coolant lines and fluid
Toro 3500 mower	Replaced blown steering lines and fluid
Recycle dump trailer	Replaced all hydraulic lines
Cat M318 Exc	Replaced hydraulic lines and coupler for thumb
PD 807 Charger	Installing Verizon GPS and ID reader
PD 814 Charger	Replaced all tires
Taylor Dunn Garbage Getter	Replaced main drive motor

Preventive Maintenance Program		State Inspections	
Cars	29		Cars & Trucks
Trucks	10		13
Equipment	15		Trailers
			4

GROUNDS	
Parks Inclusive	Working on drainage projects in the parks Preparing ballfields for fall sports Fall aeration and over-seeding of fields Painting and repairs on dugouts and pavilions Bleachers and sun shade being installed at Dek Hockey

TRAFFIC, COMMUNICATION & SIGNS	
Signs	
Sign Maintenance	Sign Updates and repairs performed.
Signal Operations	
RT 19/St Francis Signal	Underground piping and concrete work completed.
Signal Performance Measures	Centrac's Module installed that collects Signal Performance Measures. This module helps refine local intersection timings.
School Zones	School Flashers tested and programmed with the 2019 School Schedule.
Electrical	
Bike Rodeo/Touch a Truck	Staff maintained temporary power provisions for these 2 One day events.
Golf Course	Completed the Electrical work required for the Gate Operator.
PA One Call	Traffic Staff closed 108 tickets in Aug using the new Boss811 System.
Communications	
IT assistance	Staff have assisted the IT Dept with several initiatives at various locations including the Park Fire Station and the Master Control Building.

OPERATIONS ENGINEER	
PROJECT: ADAPTIVE TRAFFIC SIGNAL TECHNOLOGY	
Description:	Completion of Route 228 and Freedom Road Corridor to adaptive traffic signals. Route 19 Signal Performance Measures implemented to test new software.
PROJECT: ROUTE 19 & ST. FRANCIS WAY SIGNAL UPGRADE	
Description:	Construction started August 2019. Signal Pole delivery expected in November 2019 for replacement of traffic signal to current standards including pedestrian and ADA facilities.
PROJECT MANAGEMENT: PUBLIC WORKS OPERATIONS	
PennDOT Coord	Twp. PM - Freedom/Turnpike Bridge Project, I79 Bridge replacement at N. Boundary

Operations Engineer continued	
Paving Program	Completion of 2019 Program, 5-year paving plan Development/Roadbotics
Slow Down	PM Campaign: August 27- Sept 10
Fernway	PM Traffic Portion of Neighborhood Plan
One Call	PM Township change to BOSS811 system to manage one-calls, Design One-Calls, AVRs
Projects	PM Pickleball Court Expansion
Projects	PM Pool Grading/Fence Expansion
Projects	Signal Pole Color Change
Engineering	PM Coordinate Eng. Projects with PW (Makerspace, BCWTP, Amphitheater, PW Expansion, work orders)

FACILITIES	
Municipal Building	Painting the preschool hall and classrooms for the new year. Working with PM / General contractor on the new Maker Space in the Library
Park Fire Station	Installed new 50" flat screen wall hung TV, finished hanging pictures, plaques and white boards. Installed washer and dryer. Installed keypad card reader on the interior hall door.
Water Park	Rebuilt condiment cart for pool concession. Cart was essentially falling apart from being in the weather and was not designed for that use. Replaced all exterior panels with a composite weatherproof material.
BCTP	Installed and ran power for IStar access control. Working with Mascaro to get the new gate intercom/ access control system installed. Access and intercom will be installed in-house. Delivered and mounted four large flat screen monitors.
Turfgrass	Working on the control/ access for the gate re-purpose. Streets moved the plant gate to the entrance into turfgrass maintenance. Standalone keypad is being programmed.
Highlands Club House	Replaced all sconce lights and ceiling fans in the Autobahn pavilion Replaced one new, one rebuilt grinder pump, rebuilt one of the hands-free faucets with aftermarket parts. Delta has failed to provide support.
Preventive Maintenance	Ambulance bldg., PW, server room Liebert units and pool make up air system

BCTP	
7/17	Upon transfer of biomass to bioreactors 2&3 plant operators noticed an increase in plant effluent ammonia readings. With further investigation and some creative troubleshooting techniques it was discovered that both nitrate recycle pumps were operating backwards. No permit violations occurred.

BCTP Continued	
Franklin Acres Pump Station	No operational issues
Briar Creek Pump Sta.	No operational issues
Wolfe Run Pump Sta.	No operational issues
Water Supply	7/17 – Completed SDWA comprehensive monitoring plan and submitted to PADEP

SEWER & WATER FIELD	
Date	Job/Project Description
7/29/19	Water main inspected at the installation of 36 feet of twelve (12) inch Ductile Iron water line along Route 19 across from the Manheim Auto-Auction.
7/30/19	Excavated and repaired a water main leak on the eight (8) inch water main near 1646 Haine School Road.
8/1/19	Excavated and repaired a leak on the twelve (12) inch water main near 20436 Route 19 – Streets of Cranberry.
8/2/19	Excavated and repaired a leak on the four (4) inch water main in front of 301 Stacy Court in the Cranberry West plan of homes.
8/6/19	TECsmith performed QA/QC on the I&I Flow Meter.
8/12/19	Partnered with KWM Controls, Inc. to calibrate the Marshall Township and New Sewickley Township sewer flow meters.
8/13/19	Excavated and replaced a malfunctioning hydrant near 201 Opal Drive in the Woodlands plan of homes.
Water Distribution System Flushing Program	Completed weeks 6, 7 8 and 9 of the flushing program.
Sanitary Sewer Right-of-Way Clearing	Clearing sanitary sewer right-of-ways
Infrastructure upgrades	Gannett Fleming submitted draft layout for Interceptor #7 Phase 1 upgrade
I & I	Organizing completion of Old Interceptor #1 phase 5 CIPP lining

PRETREATMENT	
FOG Updates	Testing FOG interceptor biological supplement for use within Cranberry Township
	New construction- Cranberry Car Wash located 1335 Old Freedom Road installing water reclaim system
Industrial Pretreatment	Evans City K-6 school in process of sizing grease interceptors
	Per EPA's request collected wastewater influent and sludge samples for priority pollutant evaluation in preparation for local limits evaluation
	Kawneer switched chemical processes in response to past exceedance of pollutants
Additional Items	Kawneer is reviewing amended pollutant limitations on wastewater permit
	Green Team selected 2019-2020 project: Restoration of North Boundary Park butterfly garden.