

PUBLIC WORKS OPERATIONS

MONTHLY ACTIVITY REPORT

November 2019

STREETS & FLEET	
<i>Road Construction Crew</i>	
Pickleball courts	Monitored paving crew to ensure infrastructure components were identified.
Pot hole patching	Several areas have been addressed with patching.
417 Canterbury	Replaced the failed storm sewer pipe from the basin towards the front yard.
New Street Sweeper	Received the new Elgin Broom Bear street sweeper, and crew trained.
<i>Fleet Maintenance (Scheduled)</i>	
Vehicle or Equip. Repairs Description of Work	
1640 Mack	Installed new LED plow lights
1642 Mack	Installed GPS and radio and calibrated spreader
1615 Ford	Repaired hydraulics for snow plow/spreader
Exmark Mower	Repairing tires and other items
Ventrac mower	Replaced on tire and welded repairs in several areas and replaced clutch
Leaf Vac	Removing sheered bolts on drive motor
Undercoating plow equip	Sprayed undercoating on all the snow removal trucks
GPS repairs	Repaired the GPS units in 1614 and 1720
PD 813 Charger	Replaced broken driveshaft
Trailers – Pequae and Towmaster	Replaced and stained new deck boards
Factory recalls	Several Ford and Chevy recalls sent to dealership
Athey Street Sweeper	Removed decals and radio before traded in
Equipment – Winter Maint	Setting up all trucks for winter maintenance

<i>Preventive Maintenance Program</i>		<i>State Inspections</i>	
<i>Cars</i>	<i>18</i>	<i>Cars & Trucks</i>	<i>3</i>
<i>Trucks</i>	<i>4</i>		
<i>Equipment</i>	<i>10</i>	<i>Trailers</i>	<i>1</i>

TRAFFIC, COMMUNICATION & SIGNS**Signs**

Street Name Signs	New street name signs ordered for Phases 4 and 5 of Park Place, as well as Oak Springs Mobile Home Park at the developers' expense.
Leashed Dog Signs	Staff installed signs for the new Leashed Dog areas in North Boundary Park

Signal Operations

RT 19/St Francis Signal	Delivery of the signal poles has been delayed. Late November or early December is the expected delivery.
IMSA Classes	Several staff participated in IMSA Certification training held in Cranberry on Oct 21-22. Marty McKinney attained Moderator status for IMSA training classes at this seminar

Electrical

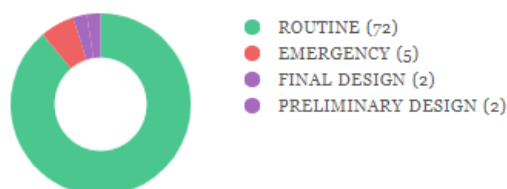
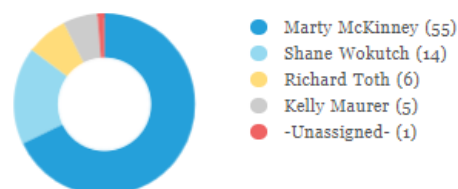
Scale	Scale has been completed and in operational testing.
Santa First Stop	Staff have worked with Parks maintenance staff to redecorate for the annual event. This year new lighting has been accommodated to illuminate 27 ice sculptures.

Communications

LPR Video Work	Staff completed the fiber optic communications links necessary to communicate with the license plate recognition software at the RT 228/79 ramps intersections.
South and West Tanks	Communication work is underway to complete ethernet communication links to both remote water tanks.

Fiber/Signal (CAB) One Call Utility Locates**Ticket summary** PA811-Fiber, 20 Oct 2019 - 18 Nov 2019**Tickets summary**

Number of Tickets:	81
Assigned Tickets:	80
Unassigned Tickets:	1
Closed Tickets:	81
Open Tickets:	0

Tickets by type**Tickets by assignee****Response codes****Service areas**

OPERATIONS ENGINEER**PROJECT: ADAPTIVE TRAFFIC SIGNAL TECHNOLOGY**

Description:	November Update: SPM (Signal Performance Measures) on Route 19. Test mode for PennDOT Central Office. SPM modifications optimized for base plans, Adaptive activated in November in test mode in off peak plans. Newest technology to optimize coordination of traffic signals.
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PROJECT: ROUTE 19 & ST. FRANCIS WAY SIGNAL UPGRADE

Description:	November Update: ADA ramp installation complete. Signal Pole delivery expected in late November 2019/early December 2020.
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PROJECT MANAGEMENT: PUBLIC WORKS OPERATIONS

PennDOT Coord	Freedom/Turnpike Bridge Project: Bridge Construction on South Side of Freedom Road. Bridge under construction off-site on Thompson Park Dr, work continuing over winter. Freedom Road weekend closure scheduled for 11/15-18 has been postponed. 179 Bridge Replacement at N. Boundary: Deck poured and SB bridge to be complete by target opening date 12/4/19. NB bridge construction 2020.			
Paving Program	Completion of 2019 Program, 5-year paving plan Development/Roadbotics			
Fernway	PM Traffic Portion of Neighborhood Plan – Traffic Meeting with Residents			
One Call	PM Township change to BOSS811 system to manage one-calls, Design One-Calls, AVR's			
Last 30 Days	Design: 8	Emergency: 10	Locate CA1: 181	Locate CAB:80
Alleged Violation Reports	None			
Projects	PM Pickleball Court Expansion: Grading, utilities, sidewalk paving complete, bid final items (nets, fence, paint) Spring 2020			
Projects	PM Pool Grading/Fence Expansion: Grading, grass, fence completed			
Engineering	PM Coordinate Eng Projects with PW (Makerspace, BCWTP, Amphitheater, PW Expansion, work orders)			
Process Documentation	PM Process Documentation – Winter Snow Removal			
Presentations	PSU Transportation and Safety Conference - PA Traffic Signal Perspectives: Moving Beyond Set It and Forget It! December 12, 2019			

FACILITIES

Waterpark	New hot water heaters have been ordered to replace the existing 1250-gallon water heater. New heaters are high efficiency with a rapid recovery rate to supply adequate hot water while reducing utility costs.
Park Fire Station	Dampers were cut into the main supply ducts in the park fire station. Working with Carl DeCarlo to complete facility related items for all fire related facilities.
BCTP	PM and equipment inspections / repairs were done on the mechanical equipment at the plant to prep for the cold weather.
Ambulance Bldg.	Installation of a new dishwasher in progress. Replacing the smartboard and projector.
Highlands Golf Course	Check heat and replaced thermostat in the clubhouse pump house for the irrigation pumps.

Facilities Continued	
Municipal Bldg.	Santa's First Stop setup and preparations. Repaired damaged column in the front drop off.
Preventative Maint.	Fall PM is underway to prepare all heating equipment for the cold weather. Municipal bldg., PW, Treatment Plant with the fire facilities to follow.
Public Works	Requesting quotes to install new boilers for in-floor heat system in PW garage bays. Working on new workstation for the Project Coordinator. Preparations for winter maintenance. Starting work to setup the PW conference room in the rear half of the training room. New casework is being developed for pricing.
Public Safety Training Center	Removed bookshelf and casework to hang new monitor and relocate the printer. Patch and paint holes in the walls from the relocation of the projection screens.
GROUNDS	
Parks Inclusive	Long Seasonal Employees last day will be on November 22 nd . Grounds staff is preparing for Santa's first stop at the Municipal Building. Winterization of park facilities is complete. Gates at Community Park and Graham Park will be installed and closed during off hours starting the week of November 18 th . Staff will be performing maintenance tasks on small equipment. Continue to clean up leaves in the parks as the weather permits. Close down tennis and pickle ball courts by removing nets for the season.

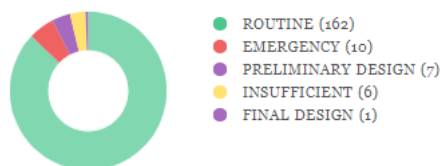
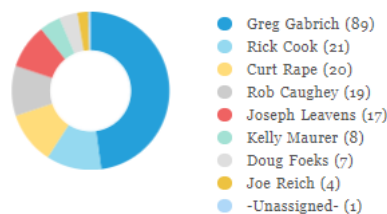
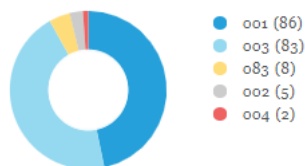
BCTP	
10/17	Influent pump station pump #123 was reinstalled and recommissioned.
10/25	During milling of new parking lot, an electrical duct bank was accidentally hit, temporary field repairs were made.
10/27	A high flow event occurred requiring staff to operate the plant from 3:30 Monday through 3:30 Tuesday (total rainfall 0.93 inches).
10/27-10/28	Plant staff fielded several noise complaints from the residents of the Woodbine. Housing plan. It is believed that the MBR large blowers are the cause. GHD is working with the plant to develop a permanent solution.
10/30	Operators reinstalled ATAD transfer pump and removed feed pump # 1 for preventative maintenance.
Franklin Acres Pump Station	10/8 – operators replaced a broken check valve arm for FAPS pump #1 10/17 – vac truck cleaning and inspection of FAPS wet well was completed. Large amounts of grease were removed.
Briar Creek Pump Station	No operational issues
Wolfe Run Pump Station	10/28 WRPS pump #1 failed at 18:00, staff responded and reset the drive. All systems appear to be operating normally.
Water Supply	10/11 – a customer called about pink stains in her bathtub, staff advised her that it was most likely due to the airborne bacterium <i>Serratia marcescens</i> . Corrective measures were also provided. 10/13- plant operators detected a low chlorine residual at the Pennwood entry point. West View was notified and said that they had no operation issues. 10/14- West View notified the Township that they were performing their chloramine burn out a week early due to an ammonia feed issue. 10/28 - Pennwood pump OCV valve #2 failed with # 3 valve failing the following day. A timing issue was suspected as the cause and staff readjusted the valve closing speeds.

SEWER & WATER FIELD

Date	Job/Project Description
10/28/19	Excavated and repaired a leak on the six (6) inch water main in front of 736 Skyview Drive in the Fox Run plan of homes. This leak was detected during the annual water distribution system leak detection survey program.
11/3/19	Worked with State Pipe Services cleaned over 6500 feet of sanitary sewer main in the Interceptor 11 & 12 areas, Oak Tree development and Rochester Square development.
11/11/19	Working with KWM Controls performed the monthly calibrations on the Marshall Township and New Sewickley township sewer flow meters.
11/12/19	Repaired a one-inch water service line that was struck by a contractor working at 538 Captain Lee Boss Way in the Park Place development.
11/14/19	Excavated and repair a leak on a one-inch water service at 323 Eagle Drive in the Links of Cranberry plan of homes.
11/18/19	Repaired a leak on the six-inch fire line valve at 136 Emeryville Drive (Hyatt Place).

Water/Sewer/Storm (CA1) One Call Utility Locates**Ticket summary** PA811- Water Sewer Storm, 20 Oct 2019 - 18 Nov 2019**Tickets summary**

Number of Tickets:	186
Assigned Tickets:	185
Unassigned Tickets:	1
Closed Tickets:	184
Open Tickets:	2

Tickets by type**Tickets by assignee****Response codes****Service areas**

PRETREATMENT	
FOG Updates	<p>State Pipe Services cleaned 1.2 miles of sanitary mainline of FOG and debris.</p> <p>Cranberry Springs retail development installed three grease interceptors for incoming food establishments</p> <p>Cranberry Highlands club house required to clean grease trap monthly.</p> <p>Final Swift Comply invitation sent out. Further implementation will take place through yearly one on one inspections.</p>
Industrial Pretreatment	<p>Local limit reevaluation sampling complete.</p> <p>Maximum Allowable Headworks data evaluation underway.</p> <p>Requiring Peterson Cartridge, C.U.E. Environmental, and Kawneer to install sampling well for federal compliance sampling purposes.</p> <p>Accessing Peterson Cartridge's new wastewater treatment system to see if effluent meets federal standards.</p> <p>Kawneer signed Cranberry's revised wastewater permit.</p>
Additional Items	<p>Attended Three Rivers Wet Weather conference.</p> <p>Educated Haine Elementary School students on the importance of pollinators.</p>