

PUBLIC WORKS OPERATIONS

MONTHLY ACTIVITY REPORT

October 2019

STREETS & FLEET	
Road Construction Crew	
Pickleball courts	Completed Excavating and subgrade work for pickleball expansion. Installed drainage, electrical conduits for lighting and new sidewalk. Ready for contractor to pave
Pot hole patching	Several areas have been addressed with patching.
Freshcorn Rd	Completed over 1,000ft of base repairs and drainage improvements from Glen Rape toward Kingston Ave.
New Street Sweeper	Received the new Elgin Broom Bear street sweeper and training.
Fleet Maintenance (Scheduled)	
Vehicle or Equip. Repairs Description of Work	
1627 Peterbilt	Finished Epoke spreader repairs
1628 Peterbilt	Replaced leaking wheel seal and cleaned rear brakes
1623 International	Replaced broken bed boards, rewired headlamp, repaired AC
1640 Mack	Replaced leaking high-pressure hydraulic line at PTO pump
1630 Peterbilt	Replaced starter
1626 Peterbilt	Replaced muffler and attached fender on left fender
Case Loader 2	Replaced blown hydraulic line
Trailblazer	Replaced leaking power steering cooler
CAT M318	Replaced leaking hydraulic line
Ventrac #2 and #4	Replaced leaking exhaust manifold and muffler, tune up
PD Fleet	Set up consoles for police Tahoes
PD range	Fabricated targets for shooting range
Scrap Metal Dumpster	Made aluminum covers for scrap bins

Preventive Maintenance Program			State Inspections	
Cars	23		Cars & Trucks	3
Trucks	4			
Equipment	8		Trailers	2

TRAFFIC, COMMUNICATION & SIGNS**Signs**

Street Name Signs	Recently Street name signs were installed for the early phases at the Meeder Farms
Signs Maintenance	Crews are constantly updating and repairing signs due to damage and retro reflectivity.

Signal Operations

RT 19/St Francis Signal	Continuing to monitor the work progress at the Intersection. Currently the Contractor is installing the ADA concrete curb ramps. Poles are expected in early November.
New Staff	Technician Rich Toth participated in an IMSA Level 1 Traffic Signal Technician class held recently at the Best Western Hotel in Cranberry Township. Our Traffic Op's Dept sponsored the opportunity and 25 people participated in the event.
Preventative Maintenance Program	Completing PMs as the year progresses. Currently we have completed 22 intersections.

Electrical

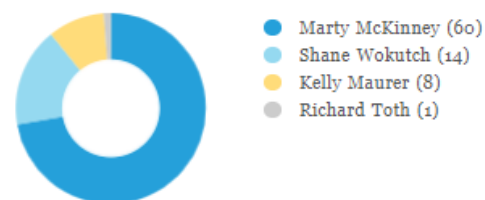
Scale	Software issues with the scale installation have been resolved as of Oct 24 th . Testing of the operation of the scale will begin immediately.
Emergency Operation Center	The conference table at the PW EOC has been modified to allow for computer access, data a, phone and charging as requisite for proper use.

Communications

North Tank Data	Staff completed a Fiber optic link at the Remote North Water Tank to allow the Control Room to access the Township Data network. This allows for phone, access controls, SCADA access.
South and West Tanks	Ethernet Radio Equipment has been ordered to accomplish access to these two facilities for the Township Data Network.

Fiber/Signal (CAB) One Call Utility Locates**Ticket summary** PA811-Fiber, 24 Sep 2019 - 23 Oct 2019**Tickets summary**

Number of Tickets:	83
Assigned Tickets:	83
Unassigned Tickets:	0
Closed Tickets:	82
Open Tickets:	1

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

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

Description:	Completion of Route 228 and Freedom Road Corridor to adaptive traffic signals to automatically “adapt” the traffic signal based on the traffic conditions. October Update: Adaptive on Rochester, Freedom and Route 228. SPM (Signal Performance Measures) implemented on Route 19. Test mode for PennDOT Central Office. Newest technology to optimize coordination of traffic signals.
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PROJECT: ROUTE 19 & ST. FRANCIS WAY SIGNAL UPGRADE

Description:	October Update: ADA ramp installation. Signal Pole delivery expected in November 2019.
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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. I79 Bridge Replacement at N. Boundary: Deck poured and SB bridge to be complete by November 2019. NB bridge construction 2020. Butler Maintenance: Pavement Patching complete. Crews on winter preparation.			
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, AVRs			
Last 30 Days	Design: 5	Emergency: 117	Locate CA1: 208	Locate CAB: 74
Alleged Violation Reports	None			
Projects	PM Pickleball Court Expansion: Grading, utilities, sidewalk complete by DPW 10/24, Paving anticipated first week of November 2019, bid final items (nets, fence, paint) Spring 2020			
Projects	PM Pool Grading/Fence Expansion: Grading Complete, grass planted. Fence mid-November			
Engineering	PM Coordinate Eng Projects with PW (Makerspace, BCWTP, Amphitheater, PW Expansion, work orders)			
Presentations	PA One Call Safety Days Conference – One Call Ticket Management System video presentation for PA One call https://youtu.be/rfkQ_w5UIBw PSU Transportation and Safety Conference - PA Traffic Signal Perspectives: Moving Beyond Set It and Forget It! December 12, 2019			

FACILITIES	
Waterpark	Painting around the pool is underway. Spray pad, pool border, shower rooms are complete. Slide structure to begin weather permitting.
Park Fire Station	Conducted a meeting with JCI, RSSC, IES and Allen and Sheriff to discuss the corrective measures on the HVAC system. Pricing has been requested for the addition of electric re-heats on the old areas of the station to correct the excessive humidity issues experienced over the summer months.
BCTP	Waiting for driveway to be paved to cut safety and exit loops into the gate access. Gate will be put on the access control system immediately following.
Ambulance Bldg.	Fall PM is underway.
Highlands Golf Course	<p>Plumber was brought in to jet the underground sanitary sewer lines with high temperature pressurized water to remove excessive buildup of grease. Grinder pumps were removed, and tank was vacuumed during jetting to avoid grease into the pumps and discharge line. Lines were videoed after jetting and low spots as well as inverted fitting were discovered on the piping. Discussions on corrective actions is underway with engineering.</p> <p>Waterproofing Co. is scheduled for 10/29 to seal leak into the cart storage from a conduit penetration and along the front, under the entrance doors to the clubhouse. Turfgrass maintenance will handle all digging to expose conduit.</p>
Municipal Bldg.	Working with PM to coordinate shutdowns and tie ins for the Maker Space project. Working on new office space for Communication employee to start first week in November.
Preventative Maint.	Fall PM is beginning to prepare all heating equipment for the cold weather. Municipal bldg., PW, Treatment Plant with the fire facilities to follow.
Work Orders and Room setup	Work orders both reactive and scheduled along with room setups are being done.
GROUNDS	
Parks Inclusive	<p>Winterizing facilities including swimming pool locker rooms and kitchen.</p> <p>Blowing out irrigation systems on sports fields, swimming pool, veterans memorial, and kids castle playground.</p> <p>Continuing to mow athletic fields and common areas in all parks.</p> <p>Finishing drainage projects at Community Park and North Boundary Park.</p> <p>Long Seasonal staff last day November 22.</p> <p>Preparing equipment and full-time staff for winter maintenance.</p>

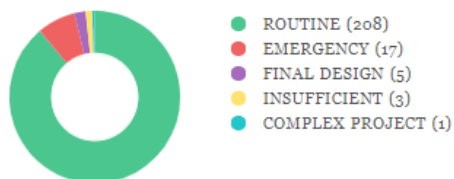
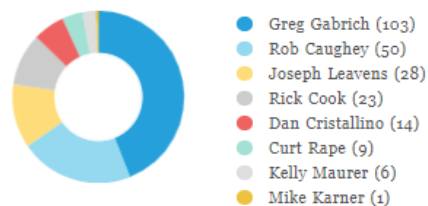
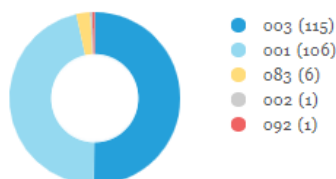
BCTP	
9/16-9/19	Plant staff conducting MBR cassette inspections and desludging
9/23-9/25	Plant staff continued cassette inspections and desludging
9/24	Operators unclogged grit classifier piping
9/25	Plant staff discovered that post MBR chlorine mixer had vibrated off its mounting base. It was re-secured.
9/29	Noise complaints received from the Woodbine plan adjacent to the treatment plant. GHD is working on a plan with their recommendations to review and determine how to address the issue.
10/7	Plant staff removed RTD feed pump #1 for evaluation and repairs

BCTP Cont.	
10/14	Due to a sudden change in plan from WVWA, (original scheduled to begin 10/21), required to alter schedules (plant & field) to address the change over from chloramines to free chlorine in the water system.
Franklin Acres Pump Station	9/24- plant staff replaced receptable for sump pump
Briar Creek Pump Sta.	No operational issues
Wolfe Run Pump Sta.	9/25-26 staff performed inspection of pump # 2 impellor, since the pump was making an unusual noise 9/26-further evaluation of pump #2 was conducted with the OEM vendor – possible debris in seal
Water Supply	No operational issues

SEWER & WATER FIELD	
Date	Job/Project Description
9/10/2019	Excavated and replaced a leaking ¾" inch water service road crossing at 408 Farmington Road in the Timberline plan of homes. This leak was detected during the annual water distribution system leak detection system survey program.
9/24/2019	Raised to finished grade a hydrant and valve box in conjunction with the Township's Franklin Road sidewalk project.
9/30/2019	Excavated and replaced a leaking one-inch water service line at 224 Jefferson Lane in the Traditions of America plan of homes. This leak was detected during the annual water distribution system leak detection system survey program.
10/1/2019	Excavated and replaced a leaking ¾" inch water service road crossing at 130 Glenbrook Drive in the Glenbrook Drive in the plan of homes. This leak was detected during the annual water distribution system leak detection system survey program.
10/2/2019	Excavated and replaced a leaking ¾" inch water service road crossing at 8020 Maureen Drive in the Marshall Heights plan of homes. This leak was detected during the annual water distribution system leak detection system survey program.
10/9/2019	Excavated and replaced a leaking ¾" inch water service road crossing at 101 Oakview Drive in the Oakview plan of homes. This leak was detected during the annual water distribution system leak detection system survey program.
10/10/2019	KWM Controls calibrated the Marshall Township and New Sewickley Township sewer flow meters.
10/10/2019	Worked with KWM Controls to replace a malfunctioning sewer flow meter at the Marshall Township Buckingham Place site.
10/17/2019	Brought to finished grade four (4) valve boxes and one service curb box in conjunction with the Township's North Boundary/Marshall Road round-a-bout project.
10/23/2019	Excavated and replaced a leaking ¾" inch water service line at 113 Preservice Valley Drive in the Preserve West plan of homes. This leak was detected during the annual water distribution system leak detection system survey program.

Water/Sewer/Storm (CA1) One Call Utility Locates**Ticket summary** PA811- Water Sewer Storm, 24 Sep 2019 - 23 Oct 2019**Tickets summary**

Number of Tickets: 234
Assigned Tickets: 234
Unassigned Tickets: 0
Closed Tickets: 229
Open Tickets: 5

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

FOG Updates	<p>Evaluated mainline FOG for fall line cleaning</p> <p>Swift Comply invitations sent to all FOG users and cleaning service providers</p> <p>Approved Express Car Wash oil/grit pretreatment devices</p> <p>Updated grease control devices on internal mapping system</p> <p>Cranberry Highlands Golf Course sanitary lines were cleaned</p>
Industrial Pretreatment	<p>Local Limits sampling underway. Completion date November 20,2019</p> <p>Kawneer implemented corrective action plan for chromium violations in August and September</p>
Additional Items	<p>Green Team created "Cranberry Cares" employee community service program</p> <p>Presented pollinator lecture at Cranberry Township library</p>