

PUBLIC WORKS OPERATIONS

MONTHLY ACTIVITY REPORT

FEBRUARY 2019

STREETS & FLEET

<i>Road Construction Crew -</i>	
Snow / Ice Events	We have had a total of thirty (30) snow/ice events so far this winter. Here are the stats thus far: 4,360 tons of rock salt, 55,408 gallons of liquid brine used, and 18,557 miles driven.
High Water & Ice Complaints	The crew has been working diligently to clear basins and culverts to remove standing water (ice) from the roadway.
Fox Run Storm System	We have completed the collection of "as-built" storm system data and providing to IT so our GIS data is up to date.
Winter Equipment	Snow plows, spreaders and other winter equipment are getting inspected and repairs are being documented after each storm event.
Anti-Icing Program	We have continued to monitor the forecast and utilize our anti-icing program when possible.
Basing Repairs	One-calls are place for several basin repairs as part of the resurfacing program. We will continue to perform inspections and make repairs ahead of the start of the program.
Disc Golf Trail	We have completed the construction of the trail that connects NB Road to the southern top of the course. Now we are working on the construction of the trail down to the millings parking lot near the pool.
<i>Fleet Maintenance (Scheduled) -</i>	
Vehicle or Equip.	Description of Work
Chevy 1500 - 1706	New S&W service truck – replaced truck totaled in crash last year
Dodge 5500 - 1613	Replaced rear tire and rim damaged on concrete curb while plowing
Dodge Charger - 456	Replaced starter
Dodge Trucks & Chargers	Several recalls for airbag and other items
Ford F150 - 1609	New traffic manager unit, undercoated, bed liner, put into service
Ford F350 - 1716	Replaced fuel pump
Ford flatbed - 1707	Replaced fuel pump
Freightliner - 1625	Replaced 3 batteries, new heated mirror, repaired headlight wiring
International - 1623	Replaced transmission speed sensor

Streets & Fleet (continued)

International - 1708	Serviced transmission
John Deere - Mower	Repaired snow brush
Land Pride - Wing Mower	Replaced all tires
Peterbilt - 1627	Replaced cab wiring relay
Peterbilt - 1629	Installed new rear drive tires
Peterbilt - 1630	Rebuilt V-box spinner and bearings
Snow – Removal	Multiple Callouts
Preventive Maintenance Program	
Cars	27
Trucks	4
Equipment	6
State Inspections	
Cars & Trucks	5
Trailers	

Traffic, Signs, Communications

Signal Operations -	
LPR Program	Staff have completed 85% of the LPR installation at RT 19/228. Completion should be sometime the week of 2-18-19. Then the vendor will complete the program.
Camera Cleaning	Winter weather road treatments cause issues with the video detection; Staff have been routinely cleaning the cameras.
Electrical -	
Public Works Fleet Lights	Staff have started the LED high-bay update to replace all of the fleet area lighting
Public Works Crew Leaders Area	Additional wiring for the new Crew Leaders space is underway; part of the area update.
Pool Area Lighting	New pool area lights are on order with the goal of totally replacing the system prior to the pool opening this spring.

Traffic (continued)

Signs -	
Sign Maintenance	Sign maintenance and installation continues a regular basis.
Historical Markers	Staff are preparing to remove two historical markers for renovation at the request of the Historical Society
Communications -	
Water Tank Communications	Staff are engineering Ethernet radio communications systems to provide communications platforms to the South and West Water Tanks. Weather permitting, these will be installed by spring.

GROUNDS

North Boundary Park	Finishing light project at North Boundary Park soccer fields
	Renovating Vets Memorial with new plants and landscaping
Graham Park	Working with baseball association on renovation of Field I at Graham Park
Parks Inclusive	Interviewing/Hiring Seasonal Employees for 2019
	Maintenance on equipment to get ready for upcoming season
	Planning renovations and repairs to Athletic Fields

Facilities

Municipal Building	A new rooftop HVAC unit has been delivered to replace one of the existing units servicing public safety offices. A cracked heat exchanger and burner tray was discovered during maintenance. A crane is scheduled for the week of 2/25/19 for install.
WaterPark	The filter sump for the main pool has been power washed and re-painted with an epoxy paint ready for filter installation.
BCTP	Working on conduit, wiring and controls for the new gate intercom/access control system. The gate will be closed at all times. Visitors and deliveries will need to be authorized and let in to access the plant.
Park/ Haine Fire Station	<p>Working with Engineering to resolve HVAC design/engineering issues uncovered during renovation. Two units are looking to need modified to provide proper space conditioning as well as aesthetically pleasing.</p> <p>Access control and a release button for the front and rear entrance doors to the station are being installed in-house.</p>
Work Orders & Room Setup	Work orders both reactive and scheduled along with room setups are being done.

Operations Engineer

PROJECT: <i>ADAPTIVE TRAFFIC SIGNAL TECHNOLOGY</i>	
Description:	ARLE and GLG Grant Projects to add adaptive technology to the traffic signal system automatically “adapt” the traffic signal based on the traffic conditions.
Update:	Rochester Rd (Thomson Park to Haine School) – Fully Adaptive (October 2016).
	Freedom Rd (Commonwealth) to Rt 228 (Cranberry Springs) – Adaptive Activated Feb 6, 2019.
	Rt 19 (Turnpike to Rowan) – Installation complete. Test mode Spring 2019.
	Freedom Rd (Powell) to Rt 228 (Franklin) – Installation and adaptive 2019.
PROJECT: <i>ROCHESTER ROAD WIDENING AT ROUTE 19</i>	
Description:	CMAQ Grant for additional lane on Rochester Rd approaching Route 19 allowing advance left turn signal phasing to increase intersection capacity and efficiency.
Update:	Construction complete; Final Invoice; Project closed out February 2019.
PROJECT: <i>ROCHESTER ROAD WIDENING TO GRAHAM SCHOOL ROAD</i>	
Description:	Widening of Rochester Road to 5 lanes from Commerce Park Dr to Graham School Road.
Update:	Preliminary design complete. Final design and HOP by Developer.
PROJECT: <i>ROUTE 19 & ST. FRANCIS WAY SIGNAL UPGRADE</i>	
Description:	GLG Grant for replacement of traffic signal to current standards including pedestrian and ADA facilities. Local project oversight.
Update:	PennDOT Approved. Project bid opening March 20, 2019 for construction 2019.

Operations Engineer (continued)

TRANSPORTATION GRANTS	
Pending Award Notifications (Submission Date):	
CMAQ2017:	SR19 & PROGRESS SIGNAL UPGRADE (9/5/17)
ARLE2018:	SR19 & FIRE STATION UPGRADE (6/29/18)
ARLE2018:	FREEDOM ROAD AT EXECUTIVE DRIVE INTERSECTION IMPROVEMENTS (6/29/18)
GLG2018:	SR19 & WALMART DRIVE/SHORT STREET SIGNAL UPGRADE (1/11/19)
AWARDS	
SINC-UP ROUND 4:	ROUTE 19, ROCHESTER, FREEDOM RT 228 (12/14/18)
BID UPDATES	
AWARDED:	CONTRACT No. 19-02 – SUPERPAVE STREET RESURFACING 2019
	CONTRACT No. 19-03 – SEAL COATING 2019
	CONTRACT No. 19-04 – MICRO-SURFACING 2019
	CONTRACT No. 19-05 – CRACK SEALING 2019
BID OPENING 3/20/19:	ROUTE 19 & ST. FRANCIS WAY SIGNAL UPGRADE
STATUS OF BIDS:	ROCHESTER RD WIDENING AT ROUTE 19 (ECMS) - STATUS 100%

PROJECT PLAN REVIEWS – Engineering / Traffic		
February 2019		
PLANNING COMMISSION	0	
BOARD OF SUPERVISORS	4	
AS-PER PLANS	5	
BOND RELEASES	4	

BCTP

Auxiliary PS Chem Feed 1/8/19	Plant staff replace heater in auxiliary PS chem feed room
Block Heater 1/9/19	Operators troubleshoot block heater for Ginger (replacement parts are on order)
Influent Pump Station 1/18/19	Plant staff along with system integrator completed final alarm check out on influent pump station
WAS Holding Tank 1/22/19	Mixer test completed on WAS holding tank 3A
Rainfall Event 1/22/19	A rainfall event prompted operators to staff the plant from 12:00 a.m. Sunday through 7:30 p.m. Monday (total rainfall 0.75 inches)
Ethics Training 1/23/19	All plant staff participated in annual lab ethics training
New Electrical Feed 1/24/19	Plant operators coordinated master control power outage and swing over to new building electrical feed
Rainfall Event 1/24/19	A rainfall event along with snow melt prompted operators to staff the plant from 2:00 a.m. Thursday through 00:30 Friday (total rainfall 0.71 inches)
New Influent Pumping 1/29/19	Contractors completed tie in of piping to bring on new influent pumping station, plant drain line and relocation of woodbine sanitary sewer are ongoing

Franklin Acres Pump Station	No operational issues	
Briar Creek Pump Station	1/29/19	Replaced heater at BCPS generator room
	2/4/19	Removed pump #1 for bearing replacement
Wolfe Run Pump Station	No operational issues	
Water Supply	No operational issues	

Sewer & Water Field

Date	Job/Project Description
Water Main Leak Repair	S&W Field personnel excavated and repaired a leak on the twelve (12) inch water main along North Boundary Road between the Route 79 underpass and the Marshall Road round-a-bout.
2/2/2019	
Water Main Leak Repair	Personnel excavated and repaired a leak on the eight (8) inch line along Old Route 19 just north of Settlers Village Circle.
2/5/2019	
Water Main Leak Repair	Excavated and repaired a leak on the eight (8) inch line along Northfield Road near 107 Gable Road.
2/7/2019	
Sewer Meter Calibrations	Personnel along with KWM Controls, Inc. calibrated the three (3) Marshall Township sewer flow meters, as well as the New Sewickley Danbury Farms sewer meter.
2/11/2019	
Service Curb Box Maintenance	Excavated and replaced a curb box at 407 Parkwood; found broken during service termination.
2/14/2019	
Hydrant Maintenance	S&W Field personnel raised a hydrant to finished grade at 50 Progress Avenue.
2/14/2019	
Water Svc Line Abandonment	In conjunction with the Freedom Road/Turnpike Bridge project, personnel excavated and disconnected the water service line to 1301 & 1303 Freedom Road at the water main.
2/15/2019	
Manhole Surcharge	Manhole surcharged behind Dairy Queen due to back up in line on 2/22/19. McCutcheon Enterprises performed emergency clean up.
2/22/2019	

Pretreatment

FOG	Fog Updates	Einstein Bros. Bagels are required to install new grease trap
		Starbucks located at 1713 Rt. 228, Ste M, was issued a larger grease interceptor
	Fog - New Construction	Red Zone Robotics entering FOG program – 195 Thorn Hill Road
		Holiday Inn Express/ Element Hotel – 1740 Route 228
		Cranberry Springs Retail Building A – 2085 Mackenzie Way
		Cranberry Springs Retail Building B - 2075 Mackenzie Way
		Village of Cranberry Woods (Atria) - 3020 Fairport Lane
	Dentistry Discharger Update	Dental amalgam effluent guidelines become effective 7/14/2020 . Fifteen of the sixteen dental practices are compliant with the federal ruling. Will be requesting adoption of language in the ordinance to require dentists to abide by the regulation.
I & I	Dye tested storm water system in Fox Run to evaluate if there are any cross connections to the sanitary sewer	
	Created smoke testing plan for Fox Run	
	Evaluated past flow monitoring data to identify and quantify I&I sources within Fox Run	
	Evaluate Current Flow monitoring data for Manorline, Woodlands, and Sun Valley Housing Plans.	
	Met with ADS Environmental Services as well as LB Water to go over their I&I identification techniques.	

Pretreatment (continued)

Additional Items	Kawneer	Had batch discharge of aluminum hydroxide on 1/9/19 and 2/7/19
		Conducted split sample with Kawneer on 2/7/19 to access their permit limitations
		Adding aluminum limitation to 2019-2020 permit
	Hazardous Waste Pharma.	Attended webinar for new management standards for hazardous waste pharmaceuticals
	KMIT Grant	Working with safety grant committee to organize KMIT grant money expenditures
	Burgh Bees	Met with Burgh Bees to discuss community apiary project