

PUBLIC WORKS OPERATIONS

MONTHLY ACTIVITY REPORT

STREETS & FLEET

May 2019

Road Construction Crew -	
Pool Opening Punch List	Several employees were assigned to work on the pool punch list.
Resurfacing Program	Russell Standard – crack sealing is complete, Youngblood – paving has begun, Russell Standard – chip seal will begin within 2-3 weeks, Caruso – micro surfacing with no date established yet.
Equipment Demo – Road Repairs	Midland SPR-6 road widener - free demo from Groff Tractor. We patched road repairs on Honey Locust Lane, Hope Rd and several large repairs on Ehrman Rd.
Street Sweeping	All roads on the resurfacing program have been swept plus all the other roads in the housing plan not affected by the resurfacing program.
Pothole Duty	Multiple crews have been assigned to fill potholes throughout the Township.
Storm Sewer Basins	Catch basin repairs in Old Towne, Parkwood Dr, Kira Ct and Short St have been completed prior to the resurfacing program getting started.
Turfgrass Dr – Gate	Installed footers and posts for the electrical gate that is getting transferred from the BCTP.
Disc Golf Trail	Fairways are being mowed in advance of the Grand Opening in June.
Video Inspected Storm Lines on Monmouth Dr	Insight Pipe video inspected 47 Monmouth and 452 Monmouth storm lines and found no voids or failing pipe.
Fleet Maintenance (Scheduled) -	
Vehicle or Equip. Repairs Description of Work	
1642 Mack – Received new truck. Bobcat 435 Excavator – Repaired engine oil leaks. Bobcat T870 Skidsteer – Replaced glass door. Athey Street Sweeper – Replace hydraulic drive motor for rear elevator and drive gears. 1627 Peterbilt – Replacing power steering lines and fluid. 1628 Peterbilt – Replaced AC dryer and charged system. Trailblazer – Replaced right front wheel bearing. John Deer Boom Mower – Replaced blown hydraulic line and ground roller bearings. 1701 Chevy – Replaced inner door handle. 465 Charger – Voltage issues with equipment. 467 Tahoe – Replaced entire exhaust system. PD Fleet – Installing ID readers in all police cars.	

Preventive Maintenance Program		State Inspections	
Cars	16		Cars & Trucks
Trucks	5		13
Equipment	10		Trailers
			5

GROUNDS

North Boundary Park	Finishing up pool tasks for opening on May 25 th . Preparing for disc golf opening on June 15 th . Completed improvements on Veteran's Memorial (new trees, sod, and flowers).
Disc Golf Trail	Fairways are being mowed in advance of Grand Opening in June.
Parks Inclusive	Maintaining parks and ball fields. Brining on more seasonal employees for summer.

TRAFFIC, COMMUNICATION & SIGNS

Signs –

Sign Maintenance	Sign Maintenance and installs continue.
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Signal Operations -

Detection Wiring	All wiring has been installed. Scheduling programming to complete the Rt 228 Detection update and preparing for adaptive. Final programming is scheduled for late May.
Signal Maintenance	Maintenance and minor repairs continue. Weather issues have been at a minimum thus far this spring. Preventative Maintenance Program is being prepped.

Electrical -

Turf Grass Gate	Electrical work to power and communicate with a repurposed gate continues.
Waterpark Lighting	Pool Lighting has been updated with new towers and LED Fixtures. Additional fixtures to help illuminate the area around the pool during night swims have also been added.
Waterpark	Staff have been working through the opening checklists and assisting with getting the waterpark ready for the Memorial Day Weekend.

Operations Engineer

PROJECT: ADAPTIVE TRAFFIC SIGNAL TECHNOLOGY

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:	Rt 19 (Turnpike to Rowan) – Test mode of new Edaptive Software Spring 2019. Freedom Rd (Powell) to Rt 228 (Franklin) – Installation and adaptive 2019.

PROJECT: ROUTE 19 & ST. FRANCIS WAY SIGNAL UPGRADE

Description:	GLG Grant for replacement of traffic signal to current standards including pedestrian and ADA facilities. Local project oversight.
Update:	PennDOT Approved. Project awarded. Traffic signal poles ordered (12-weeks). Anticipated construction July-August 2019.

OPERATIONS ENGINEER CONTINUED**PROJECT MANAGEMENT: PUBLIC WORKS OPERATIONS**

PennDOT Coord	Twp PM - Freedom/Turnpike Bridge Project, I79 Bridge replacement at N. Boundary
Paving Program	Assist paving program: 5-year paving plan Development/Roadbotics
Slow Down	PM Campaign: June 7-20, August 27- Sept 10
Munic. Fleet Lot	PM Modifications for additional police spaces and numbering - Complete
Fernway	PM Traffic portion of "Neighborhood Plan"
Disc Golf	Punch List Close Out
One Call	Township protocol future
N. Boundary Ph2	Punch List close out
Speed Studies	Scenic Ridge, Settlers Grove
Engineering Projects	PM coordinate with PW

Facilities

Municipal Building	Started moves to get ready for construction of the new "Maker Space". Book stalls are being relocated to the North Franklin room to minimize the impact during construction.
Park Fire Station	Worked with Engineering and project manager to get the station ready for the Open House on 5/11. Currently working through the MEP punch list items.
Water Park	Replaced all the block at the top of the coping between the two pools. The inside walls of the second entrance were insulated and paneled, new lockset and door closer installed. Misc. other repairs.
Park Fire Station	Worked with Engineering and project manager to get the station ready for the Open House on 5/11. Working now through the MEP punch list items.
Brush Creek Treatment Plant	Working with Plant Manager to get the fire alarm system online with the monitoring service and final code inspection. Finalized wiring and setup of the intercom and access control for the new gate.
Highlands Club House	Problems with the pressure switch were fixed which helped with the alarm issue. A quote was sent to the Clubhouse Manager to consider the purchase of a new grinder pump to use so we can pull and rebuild 16-year-old existing pumps.
Preventive Maintenance	Spring PM has been done at the EMS Training Center, Public Works Municipal Bldg. and Ambulance Bldg. Server room Liebert systems at both the TOC and NOC have been completed.
Work Orders & Room Setups	Work orders both reactive and scheduled along with room setups are being done.

BCTP

4/1/19	Full Flow is now going through membrane bioreactor system.
4/29/19	Operators responded for a clogged discharge snout on fine screen #1.
4/30/19	Plant staff installed new motor on primary sludge grinder #1.
5/1/19	Operators troubleshot RTD #1 hopper lever probe issue.
5/6/19	Plant staff tested and initiated start up of new scum and grease pumping system.
5/6/19	Completed annual stack emission testing for new 2000 KW generator.
Franklin Acres Pump Station	No Operational Issues
Briar Creek Pump Sta.	No Operational Issues
Wolfe Run Pump Sta.	No Operational Issues
Water Supply	No Operational Issues

Sewer & Water Field

Date	Job/Project Description
4/18/2019	Sanitary Sewer Lateral Repair. Excavated and replaced a collapsing sewer lateral at 73 Dover Drive in the Fernway plan of homes.
4/18/2019	Sanitary Sewer Force Main Repair. Excavated and replaced a portion of the two-inch sanitary sewer force main in front of 21236 Route 19 (Penn Power sub-station).
4/25/2019	Water Main Break Repair. Excavated and repair a break on the twelve (12) inch water main along Route 19 south of Florida BLVD.
4/29/2019	Water Valve Replacement. Excavated and replaced a leaking twelve (12) inch main line valve along Route 19 at the intersection with Friendship Lane.
5/1/2019	Water Service Curb Box Repair. Excavated and straightened a misaligned curb box at 310 Winchester Court in the Crossings plan of homes and 1168 Freedom Road.
5/1/2019	S&W field personnel and TECsmith Inc. removed the I&I flow monitors from the Interceptor 13 area, reinstalled the flow monitor along Powell Road that was removed during plant upgrade and installed three (3) flow monitors in the Fox Run plan to assist with capturing pre-& post smoke testing flow data.
5/13/2019	S&W field personal and KWM Controls, Inc calibrated the Marshall Township and New Sewickley Township sewer flow meters.
5/15/2019	Water Service Curb Box Repair. Excavated and replaced a broken curb box at 20555 Route 19.
5/17/2019	Repaired a leak on a one-inch water service line and replaced a broken service curb box at 200 Timberidge Drive in the Forest Edge plan of homes.
5/21/2019	Began smoke testing of sanitary sewer lines in area which includes portions of Fox Run Road starting at Fox Run Circle and heading southwest to Skyview Drive, all of Timberwood Drive and Skyview Drive from Fox Run Road up to the Cul-de-Sac.
5/20/2019	Over the past week personnel spent time rebuilding the pressure valves in the Fernway Pressure Pits.

Pretreatment

FOG Updates	Evaluating Swift Comply modules to fit GIS, permitting, and inspection needs for the Township
FOG New Users	Niko's Diner- 20273 Route 19 Ste 2. Took over "Nick's on 19" Freshii- 1713 Rt. 228 Ste E The Big Salad- 20012 Route 19. Took over "J&S Pizza" Good L'Oven Cookies & Cream- 20300 Rt. 19. Took over "The Flame"
FOG New Construction	Atria Continuing Care/Personal Care Facility- 3020 Fairport Lane Cranberry Springs Retail Buildings- 2075 Mackenzie Way & 2085 Mackenzie Way Rajbhog Indian Market & Café- 20111 Rt 19 Ste 302-C Holiday Inn Express- 1740 Route 228 Cranberry Car Wash- 1335 Old Freedom Road Brant Drive Apartments- 2033A Rt. 19 Zoup- 1165 Freedom Rd. Freedom Square plan
I & I	Completed Fox Run smoke testing pilot project. Compiling results. Requesting Interceptor #7 mainline upgrade sizing options from Hatch engineering. Organizing coal run stream improvement projects to go along with upgrade to shield sewer lines and improve high erosion areas. Met with Insight Pipe contracting to discuss CIPP rehabilitation work on three mainline sewer segments on old interceptor #1
Industrial Pretreatment	Creating sampling plan for new Maximum Allowable Headworks Loading "MAHL" limitations.
	Finalizing Kawneer's new permit limitations that meet EPA's standards for the Aluminum Forming Industrial Pretreatment category.
	Collecting aluminum samples from Kawneer's downstream manhole to establish limits for their upcoming wastewater permit.
Marshall Twp.	As of April twelfth, 2,690ft of mainline pipe has been rehabilitated using CIPP liner. Most of the work took place in the Thorn Hill Industrial Park.
	Awaiting project proposal from Lennon Smith Souleret for flow isolation testing of Buckingham & Thorn Hill metering sheds.
	Marshall Twp. will be adopting "Swift Comply FOG Management" software with Cranberry Twp.
Cranberry Highlands Community Apiary	Preparing to open corporate sponsorship to local companies after which sponsorship will branch out to non-local companies
Additional Items	Attended Kiski Valley Wastewater Plant tour with the WPWPCA club.