

MEMORANDUM



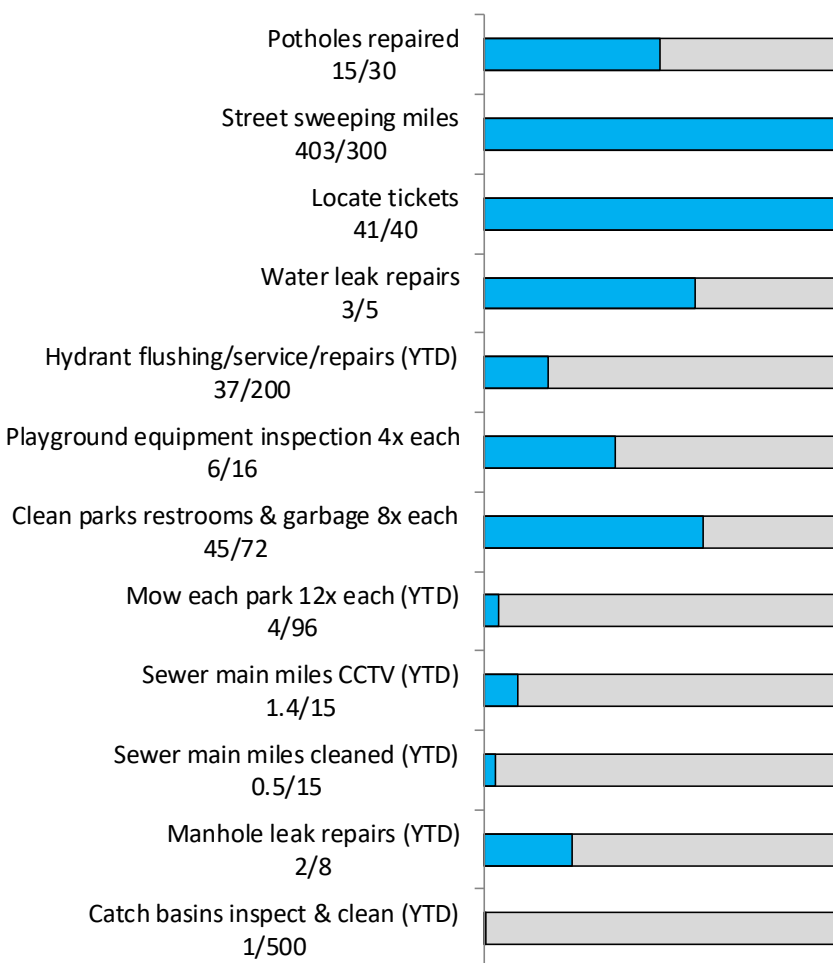
TO: Ray Towry, City Manager
 FROM: Greg Springman, Public Works Director
 DATE: April 6, 2020
 SUBJECT: Public Works Activities Report/March 2020

This memorandum provides a brief periodic update of specific projects, WTP/WWTP O&M and Compliance status, and activities performed by the Public Works Department.

Key Performance Indicators (KPI's) Dashboard

This dashboard section summarizes work done on key maintenance activities. Goals will be adjusted over time as workloads shift to keep up with current requirements. Routine activities are tracked monthly. Seasonal activities are tracked on a year-to-date basis.

March 2020



Work Orders

Posted:	589
Completed:	589

Top 10 Categories

Water Turn Ons/Offs	95
Bathrooms/Garbage	45
Locates	42
Tree/Brush Trimming - Streets	42
Meter Re-Read	41
Hydrant Flushing	36
Sankey Park Grant Project	23
Street Signs Install/Repair	19
Other - Water	19
Sewer CCTV	18

WWTP and WTP Key Performance Indicators (KPIs)

Wastewater Treatment Facility – January 2020 (Last Report Received from Jacobs)

99.0 MG of wastewater treated this month

5.11 MG max daily flow discharged

3.20 MG average daily flow discharged

27,566 lbs. solids inventory

Notes: Nine violations for January 2020

1/11/2020 Sanitary Sewer Overflow Influent VFD Failure

1/12/2020 pH Minimum daily below limit of 6.3 at 6.2

1/13/2020 pH Minimum daily below limit of 6.3 at 6.2

1/13/2020 TSS Daily Max lbs above limit of 690 at 816

1/14/2020 TSS Daily Max lbs above limit of 690 at 703

1/15/2020 pH Minimum daily below limit of 6.3 at 6.2

1/18/2020 TSS Weekly Ave lbs above limit of 520 at 759

1/29/2020 Sanitary Sewer Overflow Influent VFD Failure

1/2020 TSS Monthly Max Ave lbs above limit of 350 at 359

Water Treatment Facility – January 2020 (Last Report Received from Jacobs)

34.54 MG treated this month

1.48 MG used for backwashing filters

1.11 MG average daily demand

Notes: No violations for January 2020

Current & Upcoming Projects

Wastewater Treatment Plant Improvement Project

Scope: Upgrades to equipment & processes for DEQ Compliance

Status: Project on schedule. WWTP Final design commenced in August, 2019. In September 2019, staff met with Architect designing the WWTP Admin building to discuss building layout, vision for the structure and project schedule.

Water Loss

Scope: Staff will continue to identify water leaks throughout the 54 miles of water distribution system.

Status: PW staff has completed all repairs on the identified water leaks. Over 100 repairs have been completed by PW staff to date. Staff will calculate water loss quarterly. Staff purchased new leak detection equipment to begin program in-house.

Radar Speed Signs

Scope: Purchase 6 radar speed signs throughout the community.

Status: Staff ordered 6 radar speed signs. Installed two signs, one on 1st Avenue, second on Airport Road. Permits applications has been submitted to ODOT for multiple location along State Highway 20 and Highway 228.

Sankey Park Improvements

Scope: Install new paths, lighting, and playground equipment.

Status: Staff specified all materials for project and set budget, project to commence February 2020.

2019 Overlay Project

Scope: 2" pavement overlay on Juniper St., 32nd Ct., 45th Ave., and 46th Ave. at Main St.

Status: Project in design.

Water Distribution System Evaluation – Murraysmith

Scope: Murraysmith will perform a hydraulic water model of the water distribution system to pinpoint operations deficiencies and develop a plan to mitigate water system deficiencies.

Status: City staff purchased water modeling software, which Murraysmith to hydraulically model the water distribution system. Project currently in progress.

System Development Charges (SDCs) – Murraysmith

Scope: Provide an update to the current water and sewer system development charges (SDCs) and establish new transportation, parks, and stormwater SDCs based on current capital improvement plans.

Status: Actively in progress

Backwash Pump Evaluation – Murraysmith

Scope: Evaluate feasibility of adding a backwash pump and using clearwell for filter backwashes and the corresponding effects on the distribution system and treatment.

Status: Waiting on Water Distribution System Evaluation

Finished Water Pump Evaluation – Murraysmith

Scope: Evaluate feasibility to add a Variable Frequency Drive (VFD) to the current finish water pumps to maintain a constant level in clearwell to help facilitate Backwash Pump.

Status: Waiting on funding source

WTP Disinfection Evaluation – Murraysmith

Scope: Murraysmith will perform a hydraulic water model of the water distribution system to pinpoint operations deficiencies and develop a plan to mitigate water system deficiencies.

Status: In Design