



PUBLIC WORKS DEPARTMENT

2021 SEMI-ANNUAL REPORT

MOUHAMAD ZAHER

City of St. Helens

FOUNDED 1850

PUBLIC WORKS MISSION STATEMENT



The City of St. Helens Public Works Department Strives To Provide A World Class Service To Our Citizens & Community.

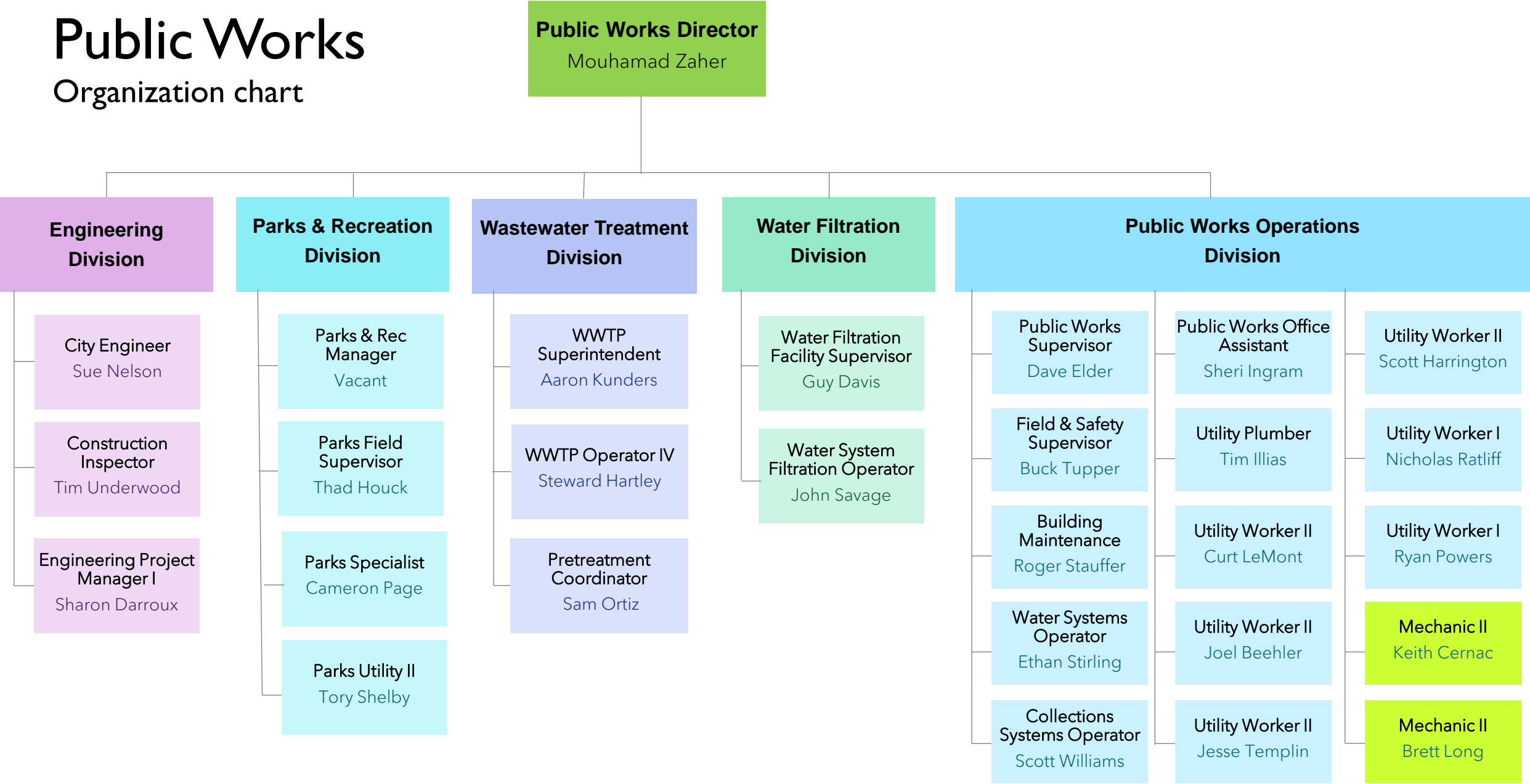


Action Oriented Team That Provides Essential Public Services Promptly, Efficiently & Effectively.



Public Works

Organization chart



WHAT WE DO?

OPERATIONS

- Daily Operational Activities.
- Maintaining Streets, Trees, Sewer Lines, Water Systems
- Permit Processing, Engineering Plans Review

EVENTS (Planned & Unplanned)

- Halloween Night Event.
- Recent Snowstorm Event.

PROJECTS (Internal & External)

- SCADA System Upgrade – Water Filtration Facility.
- Capital Improvement Projects. – McCormick Park New Playground Equipment.



PUBLIC WORKS: BY THE NUMBERS

Estimated 98 miles
of roadway to
maintain.

85 miles of water
mains

60 miles of sanitary
sewer

50 miles of storm
sewer, culverts, and
ditches

9 Sewer pump
stations

1,720 sewer
manholes, cleanouts,
and other sewer
structures

2,662 catch basins,
storm drain
manholes, and other
storm structures

7,376 fire hydrants,
water meters, and
water valves



STRATEGIC WORK PLAN



ADA CURB RAMP IMPROVEMENTS

Construction of **8** ADA-compliant curb ramps

Work will include:

- New concrete ADA ramps.
- Installation of truncated domes.
- Relocation of water services and storm drain laterals.
- Repair of asphalt pavement.





LIVABLE AND SAFE COMMUNITY COMPLETED PROJECTS

- **North Vernonia Road Sidewalk**
– Complete by March 31st.
- **Water Main Replacement on N 7th, 9th & 11th Streets** – Completed.
- **5th Street Trail Improvements**
– Grant funded project
- **Gable Road Improvements** – Joint project with Columbia County

ECONOMIC DEVELOPMENT

- **DIGITIZED AERIAL IMAGING** – Project is in the development stage.
- **INDUSTRIAL PARK DEVELOPMENT PLAN** – Working with Planning and Administration, plan has been adopted by the Council
- **RIVERFRONT DISTRICT DEVELOPMENT PLAN** – Actively working on extensions of S. 1st Street and Strand Street through the Waterfront property and the Riverwalk project



PLAYGROUND PROJECT

- New playground equipment is planned to replace the existing play structure in McCormick Park.
- Old Equipment Have Been Removed from Site.
- Installation is scheduled for late March.
- **Start:** Sep 2020
- **End:** Aug 2021





**BEFORE &
AFTER**

WASTEWATER TREATMENT PLANT

Pump Station #3 Upgrade – 110 S. 4th Ave

- **Scope:** Replace Hydro Ranger and Transducer and add second conduit.
- **Started:** Feb 2021.
- **Completion:** Aug 2021
- **Progress:**
 - Order Hydro Ranger & Transducer – Complete.
 - Call in for locates – Complete.
 - Public Works Dep to Cut Asphalt and Concrete.
 - Schedule Electrician – In Progress.



WATER FILTRATION PLANT

- **SCADA System Upgrade at Water Filtration**
- **Scope:** To replace outdated hardware, software, and ancillary equipment, including programming & training necessary to update the Supervisory Control & Data system.
- **Start:** Oct 2020.
- **End:** August 2021.
- **Progress:** 25% - Contractor selected, equipment on order.
- **Next Steps:** Installation of new hardware & software. Programming by Contractor, training of City staff on new software.





COUNCIL
GOAL 5:
LONG TERM
PLANNING

- **Storm Water & Sanitary Sewer Master Plans**
 - Currently in progress
- **Water System Master Plan**
 - In development phase, currently advertising for a Consultant

STORMWATER AND SANITARY SEWER MASTER PLANS

Identify existing capacity issues and the infrastructure necessary to deliver storm sewer service to current and future customers within the City Limits and the Urban Growth Boundary (UGB).

- **Project Started Date:** 06/2020
- **Projected End Date:** Dec 2021
- **Current Status:** In progress 35% complete.
- **Project Phase:** Development.
- DEQ's requirement that the City develop a Mercury TMDL implementation plan





WATER SYSTEM MASTER PLAN

Identify Opportunities and Recommend Water Facility Improvements.

- **Project Start Date:** January 2021.
- **Projected End Date:** March 2022
- **Current Status:** In progress 6% complete.
- **Project Phase:** Design.
- Final draft of RFP was completed and advertised on March 10th.
- We've already received inquiries from interested consultants.

CAPITAL IMPROVEMENT PLAN



S. IST. STREET AND STRAND STREET EXTENSION PROJECT

- **Improvements** will provide multimodal connectivity for the community to the proposed Riverwalk project, historic downtown, existing trail connections.
- **Support** revitalization of the Columbia View Park area as a community gathering and event space.
- **Progress:** Signed Service Contract 03/04



PROJECT TIMELINE (MARCH 2021–DECEMBER 2021)

Topographic Survey and Geotech Investigation - 8 weeks

Alignment Alternatives/Concept Development - 6.2 weeks

Preliminary Design (30%) 9 Weeks

Final Design (90%, Final) - 18 weeks

Permitting - 8 Weeks



THANK YOU

