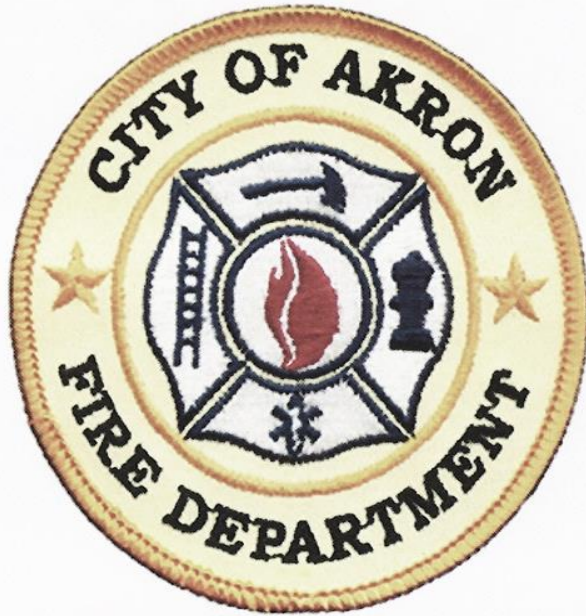


# 2023 Proposed Capital Investment & Community Development Program



## Safety Forces



• November 7, 2022



DANIEL HERRIGAN, MAYOR

# 2023 Safety & Streets Budget

Proposed Budget Items Funded by ¼% Income Tax Increase for Police, Fire and Roads

## 2023 PROJECTED REVENUES\*

**\$15,000,000**

### PUBLIC SERVICE DEPARTMENT

Pave additional miles of roadway	\$3,000,000	Resurface additional streets in each Ward, based on roadway conditions and traffic, including limited concrete and brick restoration.
Equipment Replacement	\$2,000,000	Purchase replacement and/or additional equipment to better maintain streets and roadways in every ward.
<b>Total</b>	<b>\$5,000,000</b>	

### AKRON POLICE DEPARTMENT

Equipment Replacement	\$500,000	Replace outdated or failing police vehicles.
Training & Academies	\$560,000	Improve development, training and hardware for Police Academy and Citizens Academy; funds for training efforts.
Computer Aided Dispatch (CAD)	\$650,000	Updated software solution for dispatching emergency calls, and new record management system for Police and Fire.
Gear Replacement, Tasers & Body-Worn Cameras	\$580,000	Replacement of aging tactical body armor for SWAT, safety equipment, and investigatory tools used to analyze evidence and purchase needed video storage
Akron Safety Center	\$100,000	Fund created for future replacement of aging Stubbs Justice Center.
Software/Hardware Upgrades	\$250,000	Computers, cameras, server equipment, security upgrades, phone upgrades, and various software solutions.
Maintain Staffing	\$2,000,000	Maintain safe, appropriate staffing levels in Police.
Safety Forces Bond	\$200,000	Financing for Akron Police Department.
Dan St. Building	\$110,000	Funding set aside for improvement to Dan St. Police Training building.
<b>Total</b>	<b>\$5,000,000</b>	

### AKRON FIRE DEPARTMENT

Equipment Replacement	\$300,000	Replace outdated equipment and vehicles.
Fire Station #12	\$495,000	Continuing construction for Fire Station #12
Management Software & Hardware	\$175,000	Continued implementation of alerting system to enhance coordination/improve response times, and new record management system for Fire.
Computer Aided Dispatch (CAD)	\$175,000	Updated software solution for dispatching emergency calls.
Fire Gear Replacement	\$150,000	Replacement and repair of structural firefighting gear.
Maintain Staffing	\$2,000,000	Maintain safe, appropriate staffing levels in Fire.
Safety Forces Bond	\$1,055,000	Financing for Akron Fire Department.
Fire Engine #13	\$650,000	Financing for a new Fire Engine #13.
<b>Total</b>	<b>\$5,000,000</b>	

\* Projected income tax revenue and estimated budgets are current as of 10/31/2022 and are subject to adjustments based on actual 2023 income tax revenue received.



# Fire Miscellaneous

- ❑ **Fire Apparatus Replacement – Fire Engine**
  - \$650,000- IT
  - Replacement of Fire Engine 13.
- ❑ **Vehicle Replacement Program - Fire**
  - \$600,000- GO, IT
  - Annual replacement of obsolete / unusable vehicles.
- ❑ **Facility Improvement Program**
  - \$250,000- IT
  - Annual program to proactively determine major improvements required of many of the older fire stations that are not scheduled for replacement.
- ❑ **Fire Division Debt Service**
  - \$1,055,000- IT
  - Debt service for construction of fire station 2 and 4.
- ❑ **Fire Gear Program**
  - \$150,000- IT
  - Annual program to provide for the replacement of structural fire protective clothing equipment.



Fire Engine 13



Fire Station 2

# Fire Miscellaneous / Public Facilities

- ❑ **Management Software/ Hardware/ Training**
  - \$175,000- IT
  - Funding of ongoing support and maintenance of critical software systems.
- ❑ **Miscellaneous Fire & EMS Equipment Program**
  - \$290,000- IT
  - Annual purchase of replacement of tools, equipment, and service for fire and EMS operations.
- ❑ **Police / Fire CAD System**
  - \$175,000- IT
  - Annual maintenance for Computer Aided Dispatch system.
- ❑ **Vehicle Refurbishment**
  - \$100,000- GO
  - Annual program to refurbish vehicle bodies on mechanically sound Fire and EMS vehicles.
- ❑ **Fire Station 12 New Construction**
  - \$11,000,000- IT
  - Allocation for development Fire Station 12.



**Fire Vehicle Refurbishment**



**Fire Station 12 Rendering**  
112 S. Hawkins Avenue



# Police Miscellaneous

## ☐ Vehicle Replacement Program - Police

- \$800,000- GO, IT
- Annual replacement of obsolete / unusable vehicles.

## ☐ Safety Forces Bonds

- \$200,000 – IT
- Bond payments for the initial costs of CAD system.

## ☐ Academy & Training

- \$560,000 – IT
- Funding for 2023 class, as well as recruiting, testing, and hiring costs for future class. Includes funds for the Citizens Academy.

## ☐ Akron Safety Center

- \$100,000- IT
- Set aside for future Police Station project.

## ☐ Axon Camera Contracts

- \$245,000- IT
- Ongoing contract with Axon for camera technology, maintenance, and digital storage.

## ☐ Axon Tasers

- \$235,000- IT
- This is year 2 of a 5 year contract. Funding for 340 uniform and non-uniform officers.



**Axon Camera Contracts**



**Axon Tasers**

# Police Miscellaneous / Public Facilities

- ❑ **Dan Street Police Training Bureau Facility Improvements**
  - \$110,000- IT
  - Continuation of HVAC and roof improvements to the Dan St. facility.
- ❑ **Management Hardware /Software**
  - \$250,000- IT
  - Funding for ongoing support and maintenance of critical software systems including NetMotion, GrayShift, and LEFTA.
- ❑ **Police CAD**
  - \$650,000- IT
  - Funds for Police portion of CAD system, as well as Akron share of phone system and logger for the combined Communications Center.
- ❑ **Police Gear Replacement**
  - \$100,000- IT
  - Replacement of specialized SWAT tactical body armor and other gear replacement.
- ❑ **Stubbs Justice Center Improvements**
  - \$50,000- IT
  - Modernize workspaces at the Stubbs Building.
- ❑ **Stubbs Elevators**
  - \$1,100,000- ASC
  - Modernization of the employee and prisoner elevators.



**Police Gear Replacement**



**Stubbs Justice Center**



# Questions





DANIEL HARRIGAN, MAYOR



AkronWaterways  
Renewed!

# **City of Akron**

## **2023 Capital Investment Program**

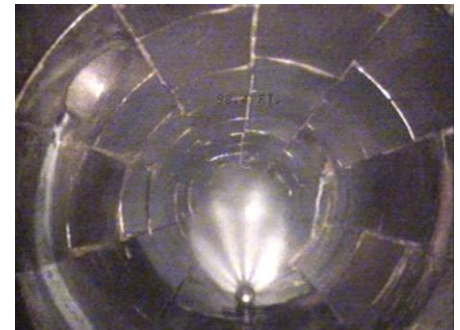
### **Sewer Presentation**

**November 7, 2022**



# Akron Waterways Renewed (AWR) Projects

Project	Funding	Status
Case Ave. Parking Lot (Battered Women's Shelter Access)	SCF \$672,464	Construction
CMOM 5-Year Cycle	SCF \$4,500,000	Planning/Design
Combined Sewer Overflow Real Time Control	SCF \$125,000	Design
CSO Program Management Team	SCF \$2,500,000	Design/ Construction
CSSF Disinfection Feasibility Study	SCF \$50,000	Planning



AkronWaterways  
Renewed!

# AWR Projects

Project	Funding	Status
Enhanced High-Rate Treatment System	SCF \$5,000,000	Planning
Lower Northside Interceptor Lining	WPCLF \$6,168,000	Construction
Memorial Conveyance (CSO Rack 26)	WPCLF, SCF \$41,000	Closeout
Northside Interceptor Tunnel	WPCLF, SCF \$25,607,000	Design/ Construction
Ohio Canal Interceptor Tunnel	WPCLF, SCF \$8,010,000	Closeout



AkronWaterways  
Renewed!



# AWR Projects

Project	Funding	Status
Riverside Sewer Separation (CSO Rack 34)	WPCLF \$6,675,000	Construction
Uhler Conveyance (CSO Rack 27 and 29)	WPCLF \$3,270,000	Closeout
WRF BioCEPT	WPCLF, SCF \$2,800,000	Closeout



# SANITARY SEWERS

- **Brittain Road Pump Station #2 Reconstruction** **\$1,164,000**
- **Flow Monitoring & Rain Gauges** **\$85,000**
- **Hawkins District Sewer Improvements** **\$2,065,000**
- **Misc. Collection System Improvements** **\$400,000**
- **Misc. Sanitary Sewer Emergency Improvements** **\$500,000**
- **Sanitary Sewer Force Main Replacement 2021** **\$872,375**

**SCF & WPCLF**





# SANITARY SEWERS

- **Sanitary Sewer Reconstruction 2019 LDL** **\$180,000**
- **Sanitary Sewer Reconstruction 2021 LDL** **\$6,930,000**
- **Sanitary Sewer Reconstruction 2021 SDL** **\$9,240,000**
- **Sanitary Sewer Reconstruction 2023** **\$9,366,000**
- **Sanitary Sewer Reconstruction 2024** **\$500,000**

**SCF, WPCLF &  
OPWC**



# SANITARY SEWERS

- **Shoreline Pump Station Improvements** **\$1,385,000**
- **Springfield Lake Trunk Sewer Lining** **\$2,885,000**



**SCF, OPWC,  
WPCLF & SA**



# **WATER RECLAMATION FACILITY**

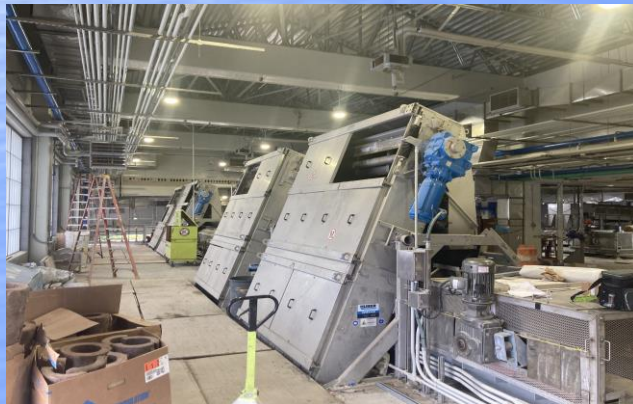
**2022 NACWA GOLD AWARD NOMINEE**

**2022 OWEA LIFETIME ENGINEERING ACHIEVEMENT AWARD – TOM SMITH**

**2022 NESOWEA HERB HANSEN AWARD – TOM BRUNNER**

**2022 WEF LABORATORY ANALYST EXCELLENCE AWARD – TOM ZOCCOLO**

- **Annual Plant Renewal** **\$500,000**
- **WRF Headworks Improvements** **\$12,200,000**
- **WRF Process Control System Improvements** **\$1,810,000**



**SCF & WPCLF**



# STORM WATER SYSTEMS

- **Brewster Creek NPS-IS** **\$36,000**
- **FEMA Hazard Mitigation Grant Program** **\$200,000**
- **Miscellaneous Storm Sewer Improvements** **\$500,000**



**SCF, GO, STATE  
& FEMA**



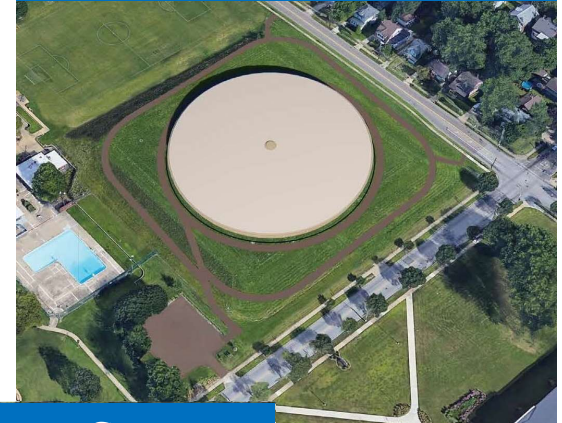
# Akron Water Supply Bureau



# WATER DISTRIBUTION

- **ARCHWOOD PUMPING STATION IMPROVEMENTS**
  - **\$1,804,650 OPWC, WSRLA**
  - UPDATE PUMPING STATION AND ADD SECOND PUMP TO INCLUDE FULL ELECTRICAL UPGRADE, REPLACE DOORS, ROOF, ADD BACKUP GENERATOR, RECONFIGURE INCOMING PIPING FOR BOTH PUMPS TO FEED HIGH SERVICE.
- **BRITTAIN ROAD RESERVOIR REPLACEMENT CONSTRUCTION**
  - **\$50,000 WSRLA**
  - REPLACEMENT OF MAIN WATER RESERVOIR TO INCREASE THE SERVICE PRESSURE AND VOLUME OF EMERGENCY STORAGE IN THE DISTRIBUTION SYSTEM AND IMPROVE WATER QUALITY.
- **COPLEY ROAD WATER MAIN EXTENSION UNDER SR 21**
  - **\$555,840 WSRLA**
  - DESIGN AND CONSTRUCTION OF A 12" WATER MAIN ON COPLEY ROAD FROM SPAFFORD DRIVE TO THE EAST SIDE OF SR 21 TO CONNECT TWO EXISTING WATER DISTRICTS.
- **FACILITIES DEMOLITION: STOCKBRIDGE STANDPIPE, POLK RESERVOIR**
  - **\$1,000,000 OWDA**
  - CARRYOVER. DEMOLITION OF EXISTING FACILITIES AT STOCKBRIDGE STANDPIPE AND POLK RESERVOIR.
- **FIXED NETWORK ADVANCED METERING INFRASTRUCTURE WITH MDM & CIS INTEGRATED PLATFORM [2023]**
  - **\$19,574,424 WSRLA**
  - CARRYOVER. THE CITY OF AKRON SHALL IMPLEMENT AND INSTALL A FULLY INTEGRATED AND MANAGED SYSTEM INCLUDING A FIXED NETWORK ADVANCED METERING INFRASTRUCTURE (AMI) SYSTEM AND THE INSTALLATION OF APPROX. 85,000 5/8" THROUGH 12" WATER METERS, CUSTOMER INFORMATION SYSTEM.

BRITTAIN ROAD RESERVOIR  
REPLACEMENT



STOCKBRIDGE STANDPIPE



FIXED NETWORK ADVANCED  
METERING



# WATER DISTRIBUTION

- **FORCE MAIN REHABILITATION DESIGN**

- **\$200,000 WSRLA**
- REHABILITATION BY LINING THE ORIGINAL 1912 & 1920 STEEL FORCE MAINS UNDER THE RAILROAD EMBANKMENT AT JESSIE SMITH PARK, REPLACE TWO ORIGINAL GATE VALVES W/ BUTTERFLY VALVES, REPLACE PITOT METERS W/ MAG METERS, UPGRADE EXIST. VALVE VAULTS.

- **HAWKINS AVENUE WATER MAIN EXTENSION**

- **\$303,600 WSRLA**
- CONSTRUCT 1,200 FEET OF 8-INCH WATER MAIN ON S. HAWKINS AVENUE BETWEEN MORSE STREET AND JASON AVENUE TO CONNECT TWO NONCIRCULATING AREAS TO IMPROVE WATER QUALITY.

- **HOME AVENUE UTILITY BRIDGE OVER THE LITTLE CUYAHOGA RIVER**

- **\$500,000 WSRLA**
- DESIGN OF A UTILITY BRIDGE OVER THE LITTLE CUYAHOGA RIVER NEAR THE INTERSECTION OF HOME AVENUE AND NORTH ARLINGTON STREET TO SUPPORT A 12" WATER MAIN.

**WILL NOT PURSUE THIS PROJECT IN 2023**

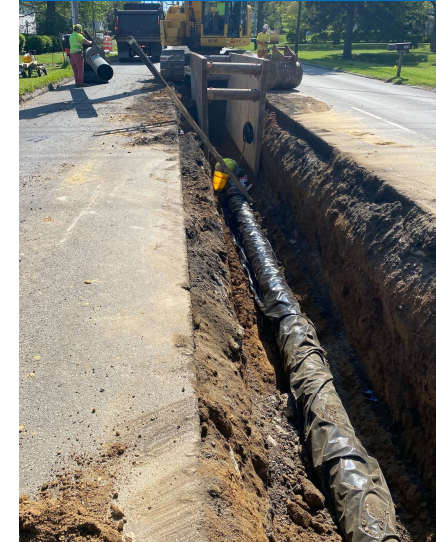
- **KENMORE BOULEVARD — 28<sup>TH</sup> STREET WATER MAIN CONNECTION**

- **\$520,000 WSRLA**
- BORE 280-FEET OF 8 OR 12 INCH WATER MAIN UNDER RR AT 28TH STREET AND KENMORE BOULEVARD TO REPLACE AN EXISTING FAILING CONNECTION TO IMPROVE CIRCULATION AND INCREASE FIRE FLOW AVAILABILITY IN AREAS ON BOTH SIDES OF TRACKS.

FORCE MAIN REHABILITATION



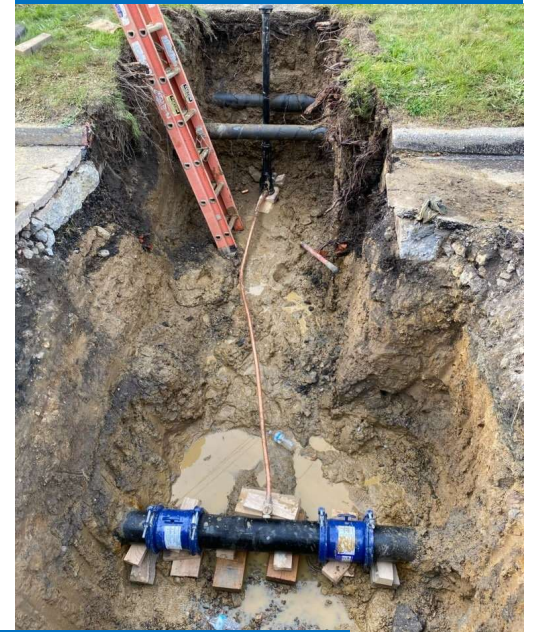
WATER MAIN EXTENSION



# WATER DISTRIBUTION

- **LEAD SERVICE LINE REPLACEMENT PROGRAM [2022]**
  - **\$12,500,000 ARPA STATE, ARPA, WSRLA**
  - ANNUALLY REOCCURRING REPLACEMENT OF LEAD SERVICE LINES BETWEEN THE WATER MAIN AND CUSTOMER'S PROPERTY LINE AND REDUCE THE NUMBER OF HOMES SERVED THROUGH LEAD SERVICES. INCLUDES WORK ON PRIVATE PROPERTY.
- **LEAD SERVICE LINE REPLACEMENT PROGRAM [2023]**
  - **\$5,000,000 WSRLA**
  - ANNUALLY REOCCURRING REPLACEMENT OF LEAD SERVICE LINES BETWEEN THE WATER MAIN AND CUSTOMER'S PROPERTY LINE AND REDUCE THE NUMBER OF HOMES SERVED THROUGH LEAD SERVICES. INCLUDES WORK ON PRIVATE PROPERTY.
- **NSSM DOUG AVENUE WATER MAIN EXTENSION**
  - **\$2,330,900 WSRLA**
  - EXTEND AN 8" WATER MAIN TO DOUG AVENUE TO ADDRESS DOCUMENTED WATER QUALITY COMPLAINTS.
- **NSSM HUDSON AURORA ROAD HERRICK PARK DRIVE WATER MAIN EXTENSION**
  - **\$416,000 WSRLA**
  - EXTEND A 12" WATER MAIN ON HUDSON AURORA ROAD FROM JUST NORTH OF THE TURNPIKE TO APPROXIMATELY 883 FEET NORTH AND EXTEND AN 8-INCH WATER MAIN ON HERRICK PARK DRIVE FROM HUDSON AURORA ROAD TO KATE DRIVE TO CLOSE THREE DEAD-END WATER MAINS IN HUDSON AS PART OF THE NSSM.

LEAD SERVICE LINE  
REPLACEMENT



WATER MAIN EXTENSIONS





# WATER DISTRIBUTION

- QUAYLE PUMPING STATION IMPROVEMENTS

- **\$100,000 OPWC, WSRLA**
- UPDATE PUMPING STATION TO INCLUDE FULL ELECTRICAL UPGRADE, NEW MOTOR CONTROL CENTER, VARIABLE FREQUENCY DRIVES, POWER TRANSFORMERS, MAG METER INSTALLATION, AND SCADA UPGRADES. **DESIGN ONLY IN 2023.**

- **SPRINGFIELD PUMPING STATION IMPROVEMENTS**

- \$40,525 WSRLA**
- UPGRADE OF EXISTING ELECTRICAL EQUIPMENT AS DEEMED NECESSARY BY THE ASSET MANAGEMENT PROGRAM.

• UNIVERSITY OF AKRON WATER MAIN REHABILITATION [2023]

- \$2,288,787 WSRLA**  
REHABILITATE THE EXISTING WATER MAINS ON THE U OF A CAMPUS WHICH SERVE AS MAJOR TRANSMISSION MAINS TO DOWNTOWN AKRON & SUPPLY WATER TO MULTIPLE CAMPUS BUILDINGS & WILL PRECEDE THE UNIVERSITY'S PLANS TO REPLACE CAMPUS BRICK PAVERS.

- **US 224 (WATERLOO ROAD) WATER MAIN EXTENSION**

- \$500,000 WSRLA**
- EXTEND 2000' OF 16" WATER MAIN TO LOOP TWO DEAD-END JEDD WATER MAINS INSTALLED IN 1999 AND 2001 AND PROVIDE ADDITIONAL PRESSURE AND FLOW UTILIZING THE WATERLOO ROAD BOOSTER STATION.

- WATER DISTRIBUTION VEHICLE & EQUIPMENT REPLACEMENT [2023]

- \$800,000 WCF**  
ANNUALLY RECURRING PURCHASE OF REPLACEMENT MOTOR VEHICLES, MACHINERY, AND EQUIPMENT AS NECESSARY TO SUPPORT THE WATER DISTRIBUTION SYSTEM.



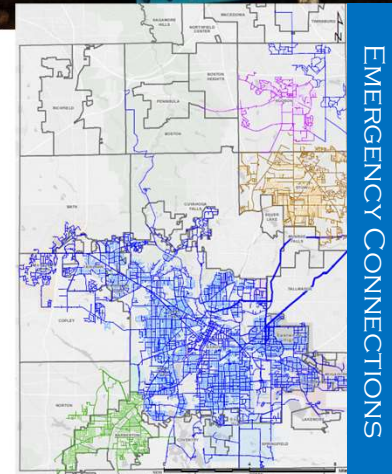
# WATER DISTRIBUTION

- **WATER MAIN REPLACEMENT PROGRAM [2023]**
  - **\$10,000,000 ARPA**
  - CARRYOVER. ANNUALLY RECURRING REPLACEMENT OF CHRONICALLY BREAKING AND DETERIORATING WATER MAINS TO REINFORCE THE WATER SYSTEM AND TO IMPROVE SYSTEM RELIABILITY OF OPERATION, INCREASE PRESSURE AND FLOW, AND IMPROVE WATER QUALITY.
- **WATER MAIN REPLACEMENT PROGRAM [2024] DESIGN**
  - **\$100,000 OPWC, WSRLA**
  - ANNUALLY RECURRING REPLACEMENT OF CHRONICALLY BREAKING AND DETERIORATING WATER MAINS TO REINFORCE THE WATER SYSTEM AND TO IMPROVE SYSTEM RELIABILITY OF OPERATION, INCREASE PRESSURE AND FLOW, AND IMPROVE WATER QUALITY.
- **WHEELING & LAKE ERIE RAILROAD YARD WATER MAIN REPAIR**
  - **\$262,500 WCF**
  - REPLACEMENT OR LINING OF EXISTING 12" WATER MAIN BENEATH RAILROAD ON WHEELING & LAKE ERIE RAILROAD YARD ON GILCHRIST ROAD AT DARROW ROAD.

WATER MAIN REPLACEMENTS



WATER MAIN REHABILITATIONS



EMERGENCY CONNECTIONS



# **WATER PLANT**

- **BACKWASH PUMPS REBUILD**
  - **\$277,100 WCF**
  - CARRYOVER. REMOVE AND REBUILD BOTH BACKWASH PUMPS (1 AT A TIME).
- **CAUSTIC SODA FEED SYSTEM REPLACEMENT**
  - **\$2,114,653 WSRLA**
  - REPLACE THE EXISTING CAUSTIC SODA FEED SYSTEM DUE TO AGE & ONGOING MAINTENANCE CONSISTING OF BULK TANKS (2), DAY TANKS (2), TRANSFER PUMPS (2), METERING PUMPS (4), & ASSOCIATED FEED LINES, CONDUITS, FITTINGS, CONNECTIONS, & SUPPORTS.
- **FILTER BUILDING DRINKING WATER TREATMENT FACILITY DESIGN**
  - **\$456,000 WSRLA**
  - STRUCTURAL REHABILITATION IN THE FILTER BUILDING WHICH HAS COMPONENTS GREATER THAN 100 YEARS OLD, IMPROVING, SAFETY, RELIABILITY, & WATER QUALITY INSURING CONTINUED DRINKING WATER SUPPLY AND EXCELLENT WATER QUALITY.
- **FILTER BUILDING ROOF REPLACEMENT**
  - **\$850,000 WCF**
  - REPLACE EXISTING FILTER AND LABORATORY ROOFS INCLUDING GUTTERS, DOWNSPOUTS, FASCIA, AND VENT CAPS.
- **FLUORIDE & HYDROCHLORIC ACID FEED SYSTEM REPLACEMENT**
  - **\$1,000,000 WSRLA**
  - UPGRADE THE FLUORIDE AND HYDROCHLORIC ACID FEED SYSTEMS DUE TO AGE AND MAINTENANCE ISSUES CONSISTING OF BULK TANKS (2), DAY TANKS (3), TRANSFER PUMPS (4), AND METERING PUMPS (3). INCLUDE ZINC AND SODIUM CHLORITE SYSTEMS.

**BACKWASH PUMP  
REBUILD**



**FEED SYSTEM REPLACEMENT**



**FILTER BUILDING ROOF**

# WATER PLANT

- **HIGH SERVICE PUMP BALL VALVE & LIMITORQUE MANUAL VALVE REPLACEMENT DESIGN**
  - **\$564,000 WSRLA**
  - CARRYOVER. DESIGN OF THE REPLACEMENT OR RECONSTRUCTION OF SIX (6) 30" PRATT BALL VALVES & LIMITORQUE MANUAL VALVES ON THE HIGH SERVICE PUMP DISCHARGE HEADER.
- **LABORATORY HVAC UPGRADE**
  - **\$496,865 WCF**
  - UPGRADE THE EXISTING HVAC SYSTEM INSIDE THE LAB DUE TO CURRENT HVAC SYSTEM BEING OUTDATED, UNSERVICEABLE, AND NO LONGER SUPPORTED.
- **LOW LIFT 5KV FEEDER RELOCATION**
  - **\$246,250 WCF**
  - REPLACE AND RELOCATE THE EXISTING 5KV AERIAL FEEDER TO AN UNDERGROUND CONDUIT SYSTEM BETWEEN THE HEAD HOUSE AND THE LOW LIFT BUILDING TO ELIMINATE AN OVERHEAD OBSTRUCTION.
- **MISCELLANEOUS PLANT IMPROVEMENTS [2023]**
  - **\$300,000 WCF**
  - ANNUALLY RECURRING MISCELLANEOUS IMPROVEMENTS AS NECESSARY TO SUPPORT WATER SUPPLY OPERATIONS.
- **MISCELLANEOUS SAFETY IMPROVEMENTS [2023]**
  - **\$100,000 WCF**
  - ANNUALLY RECURRING MISCELLANEOUS SAFETY IMPROVEMENTS AS NECESSARY TO SUPPORT WATER SUPPLY BUREAU OPERATIONS.

HIGH SERVICE PUMP BALL VALVES



LABORATORY HVAC UPGRADE



LOW LIFT 5KV FEEDER





# WATER PLANT

- **RAW WATER INTAKE VALVE REPLACEMENT & REPAIR PHASE I**
  - **\$315,900 WSRLA**
  - CARRYOVER. REPLACEMENT AND REPAIR OF EXISTING RAW WATER INTAKE VALVES AS NECESSARY TO CORRECT BROKEN AND DETERIORATED VALVES TO ENSURE SUSTAINED OPERABILITY OF THE RAW WATER INTAKE LINE.
- **SEDIMENTATION BASINS HVAC REPLACEMENT**
  - **\$569,417 WCF**
  - REPLACEMENT OF THE EXISTING HVAC SYSTEM IN SEDIMENTATION BASIN 1 & 2 AS DEEMED NECESSARY BY THE ASSET MANAGEMENT PROGRAM.
- **SODIUM HYPOCHLORITE FEED SYSTEM REPLACEMENT DESIGN**
  - **\$180,200 WSRLA**
  - THIS PROJECT SHALL UPGRADE THE SODIUM HYPOCHLORITE FEED SYSTEM DUE TO AGE AND MAINTENANCE ISSUES CONSISTING OF BULK TANKS (4), DAY TANKS (4), TRANSFER PUMPS (3), AND METERING PUMPS (4).
- **WATER PLANT ROOF REPLACEMENTS**
  - **\$121,000 WCF**
  - REPLACE EXISTING ROOF ON THE CAUSTIC/FLUORIDE/GARAGE BUILDING. REPAIR STONE COPING.

RAW WATER INTAKE VALVES



SODIUM HYPOCHLORITE FEED SYSTEM



CAUSTIC/FLUORIDE/GARAGE ROOFS



# WATER PLANT

- **WATER PLANT SALT STORAGE DOME**
  - \$135,000 WCF
  - CONSTRUCT SALT STORAGE FACILITY AT THE WATER PLANT.
- **WATER PLANT SECURITY FENCE IMPROVEMENTS**
  - \$200,000 WCF
  - CARRYOVER. REPLACE THE EXISTING SECURITY FENCE ALONG THE FRONTAGE ABUTTING RAVENNA ROAD, RECONFIGURE FENCE NEAR THE EAST DRIVE FOR EASIER TRUCK ACCESS, AND OTHER SECURITY FENCE IMPROVEMENTS AS DEEMED NECESSARY TO SECURE THE WATER PLANT PROPERTY.
- **WATER PLANT VEHICLE & EQUIPMENT REPLACEMENT [2023]**
  - \$150,000 WCF
  - ANNUAL PURCHASE OF MOTOR VEHICLES, EQUIPMENT, AND MACHINERY TO SUPPORT WATER SUPPLY OPERATIONS.
- **WATER PLANT WATER MAIN UPGRADE**
  - \$172,800 WSRLA
  - THIS PROJECT SHALL UPGRADE THE EXISTING WATER PLANT DISTRIBUTION LINE THAT PROVIDES DRINKING WATER TO THE WATER PLANT AND FEEDS VARIOUS CHEMICAL FEED PROCESSES BY TYING INTO THE NSSM WITH A 12" WATER MAIN AND LOOPING THE WATER PLANT SYSTEM.

WILL NOT PURSUE THIS PROJECT IN 2023

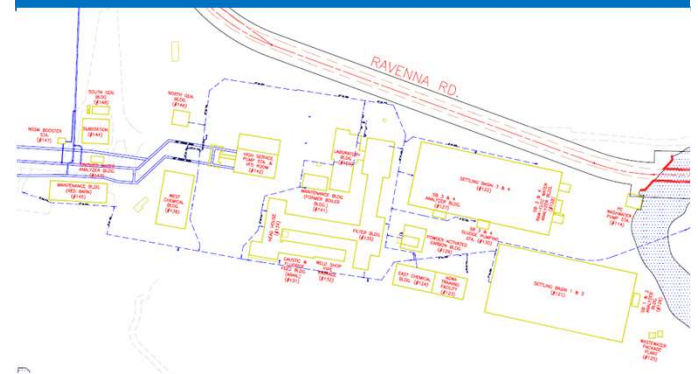
WATER PLANT SECURITY FENCE



VEHICLE & EQUIPMENT REPLACEMENTS



WATER PLANT WATER MAIN SYSTEM





# WATERSHED

- **EAST BRANCH DAM IMPROVEMENTS**

- **\$174,900 OWDA**
- CONSTRUCT IMPROVEMENTS AT THE EAST BRANCH DAM LOCATION TO MAINTAIN STRUCTURAL INTEGRITY OF THE DAM STRUCTURES BY COMPLETING DRAINAGE IMPROVEMENTS AT THE FOOT OF THE DAM IN ORDER TO EFFECTIVELY MOVE WATER OFF OF THE DAM.

- **GROUND WATER WELLS INSTALLATION PHASE 1**

- **\$200,000 WCF**
- INSTALLATION OF GROUND WATER WELLS TO SUPPLEMENT WATER SUPPLY CAPACITY.

- **LAKE ROCKWELL EARTHEN DIKE REPAIRS**

- **\$225,000 OWDA**
- REPAIRS TO THE LAKE ROCKWELL RESERVOIR EARTHEN DIKES AND ACCESS ROAD TO RE-ESTABLISH ORIGINAL CREST ELEVATIONS AS DEEMED NECESSARY BY THE ODNR INSPECTION REPORTS.

- **LAKE ROCKWELL RESERVOIR FLOATING WETLANDS**

- **\$50,000 WCF**
- INSTALL EXPERIMENTAL FLOATING WETLANDS ON THE RESERVOIR TO ASSIST WITH HAB MANAGEMENT AND ORGANIC LOADING. APPLY FOR GRANT FUNDING, REQUIRING A LOCAL MATCH.

EAST BRANCH DAM



WATER PLANT WATER MAIN SYSTEM



# WATERSHED

- MISCELLANEOUS SPILLWAY IMPROVEMENTS [2023]
  - \$460,000 **OWDA**
  - CONSTRUCT IMPROVEMENTS AT THE VARIOUS DAM LOCATIONS TO MAINTAIN STRUCTURAL INTEGRITY OF THE DAM STRUCTURES.
- WATERSHED PROPERTY ACQUISITION
  - \$150,000 WCF
  - PURCHASE OF WATERSHED PROPERTY AS DEEMED NECESSARY TO SUPPORT THE WATERSHED CONTROL PROGRAM.

MOGADORE DAM



WATERSHED PROPERTY

