



CITY OF ASTORIA

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MEMORANDUM • PUBLIC WORKS DEPARTMENT

DATE: APRIL 20, 2026
TO: MAYOR AND CITY COUNCIL
FROM: SCOTT SPENCE, CITY MANAGER
SUBJECT: PUBLIC WORKS STATUS UPDATE

The following are summaries of the status of Public Works major projects and activities:

WATERSHED

- The Public Works Director and Forester are working with the Lower Columbia Watershed Council on a conceptual project to supply Large Woody Debris (LWD) trees for their Bear Creek Habitat Improvement Project. Once vetted, staff will bring the project before Council for review and approval.
- Routine road maintenance – Our Water Source Operator has been conducting routine road system maintenance.
- Bear Creek Watershed Forest Carbon Project
 - The City of Astoria launched a voluntary forest carbon project in 2015 to generate revenue through the sale of carbon credits. To date, the project has generated approximately \$837,500 in net proceeds from two credit issuances. The project is currently undergoing its required five-year reverification under the American Carbon Registry (ACR), which could result in the issuance of up to 40,000 additional carbon credits. Council reviewed the FY 2025/26 Annual Operating Plan on April 7, 2025, which identified the carbon project as a key priority.
 - The carbon inventory phase is complete, and third-party onsite verification has been completed. The City is currently awaiting the final verification report, after which staff will begin marketing the available carbon credits. This work is being managed by David Ford (L&C Carbon), with verification services provided by Aster Global Environmental Solutions Inc.
- 2026 Timber Harvest
 - In accordance with the FY 2025/26 Annual Operating Plan, City Council authorized staff to solicit bids for a watershed sort sale associated with a 48-acre forest thinning project in the Bear Creek Watershed. The project is designed to improve long-term water quality, forest health, and resilience by reducing stand density and promoting structural diversity. Staff have issued the bid solicitation and are currently awaiting submittals for both logging services and log sort sales. Once bids are received and evaluated, staff will return to Council to request authorization to award a timber harvest contract. The work is anticipated to begin in summer 2026.

- Cedar Creek Bridge Project
 - City staff and the City Forester developed a concept to replace the deteriorating Cedar Creek crossing with a new bridge along the existing alignment. Updated cost estimates (approximately \$500,000) due to inflation made the project financially unfeasible, and ODFW determined it would not qualify as mitigation for the Spur 12 culvert project.
 - Staff are now working with ODF and ODFW to identify an alternative mitigation approach, likely involving a culvert replacement elsewhere in the watershed.
 - More cost-effective options for the failing crossing are under review, including removing the existing structure, restoring the streambed, and constructing a simpler crossing at a new location.

WATER SYSTEM

Slow Sand Filter Re-sanding Project 2025

- The project, awarded to Big River Construction, continues to progress. Cell 1 was successfully re-sanded first and is back online. Cell 2 was re-sanded second and is in the process of being returned to service. Work is expected to continue on the other two cells beginning in November 2026.
- This project replenishes the filter media in the City's slow sand filters, ensuring their continued effectiveness and maintaining high-quality water treatment for the community.

Pipeline Road Waterline Resilience Project (ARPA Grant Project)

- Construction of this project is complete, and Staff is working on close-out administration. Funding agency Project Completion Report is included in the current Council packet.

16th Street Distribution Waterline Project (ARPA Grant Project)

- Construction on this project is complete, and Staff is currently working on close-out administration. Funding agency Project Completion Report and CM/GC final report are included in the current Council packet.

30th Street and Marine Drive Emergency Waterline Repair Project

- Public Works is currently working on an emergency restoration project that will include a short section of waterline replacement and surface restoration in the intersection.
- A temporary repair was completed after a waterline break about a month ago.

Irving Ave from 20th St to 28th St Waterline Project (Congressionally Directed Spending)

- *No status change since the last update.*

- The project will replace an existing 6-inch cast iron waterline that is nearly 100 years old with a new 12-inch pipe constructed of modern resilient materials.
- The City was notified by U.S. Senator Jeff Merkley's office that \$1.8 million in grant funding has been allocated for this project.
- Staff has obtained a waiver for the 25% match portion of this grant, resulting in a 100% grant-funded project.
- Staff will be working on the application submittal as time permits.
- Further updates and details will be provided to City Council as they become available.

Automated Water Meter Reading (AMR) System Project

- *No status change since the last update.*
- The Public Works Department has completed the installation and implementation of the new AMR system for downtown and large commercial customers.
- City Council approved a strategy to purchase and install AMRs over a 4-5 year period. We have budgeted \$200,000 for new meters this fiscal year and plan to allocate \$200,000 each fiscal year to install the meters over time.
- Residential AMR water meter replacement is underway.

Old Highway 30 – Emergency Waterline Relocation Project

- *No status change since the last update.*
- The Department of Labor will not be proceeding with landslide mitigation work along its roadway due to a lack of funding.
- Due to the continued risk in this area, the City still plans to move forward with a project to relocate the existing waterline away from the toe of the slope.
- We are working with the City Attorney to coordinate an agreement for the relocation of the utility with the Department of Labor. We have recently established an active dialogue and will be working on finalizing an agreement/easement for the waterline relocation.

Dam Safety Program Projects, Bear Creek Dam Emergency Spillway, Main & Wickiup Dam seismic Studies (Oregon Water Resources Grant Projects)

- At the August 19, 2024, City Council work session, the Public Works Director presented the current status of all activities involving the Oregon Dam Safety Program compliance efforts. Following is the status of all activities taking place within the program:
 - Emergency Action Plan – Completed in 2012.
 - Bear Creek Dam Seismic Study – Completed in 2016.
 - Design Inflow Hydrology Report/Probable Maximum Flood (PMF) determination – Completed in 2021.
 - Scour Analysis of flood overtopping dam – Completed in 2022.
 - Bear Creek Dam Leak Investigation & Repair – Completed in 2022
 - Design Study of Alternatives for Emergency Spillway – Completed in 2024.

- Final Design of selected emergency spillway alternative – On hold pending funding source.
- Seismic Study of Wickiup Lake Dam – In progress.
- Seismic Study of Middle Lake Dam – In progress.
- Repair of Wickiup Lake conduit and control structure – Planned to be completed within the next 2 years.
- Repair of Main Lake conduit – Planned to be completed within the next 3 years.
- The City has entered into a Consent Order with the State (approved at April 7th Council Meeting) which outlines the specific corrective actions and schedule for implementation.
- Staff has been actively working on the corrective actions identified in the consent order.

SANITARY SEWER SYSTEM

Wastewater Treatment Plant Improvements Project (ARPA Grant Project)

- *No status change since the last update.*
- Gibbs & Olson was awarded the engineering services contract.
- Grant agreement for the ARPA funding of \$4,860,000 has been fully executed.
- Funding Agreement with OBDD was fully executed in May 2024, which includes a \$425,000 grant and a \$2,006,500 loan.
- Funding Agreement Amendment No. 1 with OBDD for an additional loan amount of \$2,527,732 was authorized by City Council on September 23, 2024.
- Big River Construction was awarded the construction contract.
- Construction started the first week of April 2025 and is expected to be completed in Summer 2026.



Sewage Lift Stations Rehabilitation Project

- This project includes replacement of screw pumps and sluice gates, resurfacing the channels, and modernizing the control mechanisms at the City's three sewage lift stations.
- A combination of funding is being used for this project: 1) OSG grant amount of \$185,880, 2) OSG grant in the amount of \$200,001, and 3) DEQ CWSRF loan amount of \$3,204,028 with 50% principal forgiveness.
- Richwine Environmental is the engineering firm supporting this project.
- Emery & Sons Construction Group, LLC is the CM/GC contractor.
- Construction is anticipated in Summer 2027.

Melbourne Ave. SS Replacement Project

- *No status change since the last update.*
- This project includes the replacement of approximately 120 feet of deteriorated sanitary sewer pipe on Melbourne Ave.
- This project has temporarily been placed on hold to accommodate other project priorities.

COVID-19 Wastewater Monitoring

- Staff continues to provide COVID-19 testing results from the City Wastewater Treatment Plant (WWTP) for the Oregon Health Authority (OHA) Program. OHA has launched a statewide COVID-19 wastewater-monitoring project to study the presence of the SARS-CoV-2 virus in more than 40 small- to medium-sized communities around the state. The project, which will include weekly wastewater testing over a 30-month period, will enable epidemiologists to better understand the circulation of COVID-19 in some of Oregon's communities. It will serve as an "early warning" system.
- Update – Early warning systems are being developed. See the OSU Wastewater Surveillance Website: <https://research.engr.oregonstate.edu/owws/utilities>

COMBINED SEWER OVERFLOW (CSO) SYSTEM

CSO Program

- In October 2025, City Council adopted the Final Integrated Plan through Resolution 25-34.
- The approved Integrated Plan results in a program extension giving staff time to scope Phase 5 (last phase) of the CSO Program and pursue grant funding. DEQ has approved the program extension that will be included in the City's future NPDES Permit.

TRANSPORTATION SYSTEM

17th Street Floating Dock Replacement

- Staff worked with a marine designer to prepare a Request for Proposals (RFP) for replacement of the existing floating dock, which is failing and has exceeded its useful life (approximately 35 years), resulting in increasingly costly annual repairs. The project is funded through the 17th Street Dock Fund. The RFP is currently being advertised, and a request for Council authorization to award a contract will be presented in the near term.

Trolley Trestle Repair Project 2025

- Bergeman Construction was selected to complete this project.
- Repairs are currently underway and expected to be completed by July 2026.

Trolley Infrastructure Maintenance Planning

- *No status change since the last update.*
- The City will work with the Riverfront Trolley Association (RTA) to update the operational agreement that guides the use of the tracks and associated infrastructure.
- The Riverfront Trolley Association (RTA) has worked diligently to repair several track deficiencies identified by the Oregon Department of Transportation (ODOT) Rail Division during their inspection. This effort has included replacing numerous deteriorated railroad ties. The City has partnered with the RTA to ensure that materials and equipment are available for maintenance work, yielding very positive results. Currently, no identified issues will prohibit the Trolley from operating.
- The City and the RTA are collaborating on a project to replace the 16th Street rail crossing to address both rail and roadway deficiencies. This is planned for Fall 2026.

7th – 11th Street Cathodic Protection System Repair Project

- On April 6th, City Council approved a contract with Norton Corrosion Limited repair the cathodic protection at the five waterfront bridges from 7th to 11th Street.
- This work is anticipated to occur in May-June 2026.

City and Hwy 30 Chairwall Issues

- *No status change since the last update.*
- The City of Astoria has a downtown where the roadways are supported by a wall system commonly referred to as a Chairwall system built in 1919 and 1922.
- US Hwy 30 through town is supported by the wall system between 5th Street and 17th Street.
- There are two locations where the wall system supporting Highway 30 is failing. The first location is on Marine Drive between 9th and 10th Streets, and the second location is between 16th and 17th Streets.

- Staff has communicated with ODOT regarding the need to repair the failing wall segments supporting the highway. ODOT has informed staff that they will route oversized loads away from the wall segments through their oversized freight traffic permit process.

ODOT ADA Ramp Project

- The City of Astoria is working on a number of coordination items with ODOT to accommodate their upcoming ADA ramp improvements throughout Astoria.
- This work will necessitate pre-project utility relocation work at 5 locations. Engineering Division staff is working to prepare relocation plans and coordinate this work with ODOT.
- City staff is also working to finalize an IGA with ODOT to cover work areas outside the State right-of-way.

SANITATION

Landfill Post-Closure Activities

- *No status change since the last update.*
- Household Hazardous Waste Facility: Staff will continue to work with County staff on DEQ gas monitoring requirements.
- Staff is continuing to work with the Oregon Department of Environmental Quality (DEQ) on post-closure activities, including gas and groundwater monitoring. A final permit has been issued, and staff is currently working on the final document requirements for the site. Once all operation manuals are complete, staff will proceed with the annual reporting required for the term of the post-closure period.
- During periodic utility inspections, it was determined that a critical stormwater pipe through the site showed signs of failure. Staff is developing a plan to replace the pipe and will monitor its condition in the meantime. Funding for this project has not yet been identified.
- Staff have completed the Landfill Closure Permit renewal process with DEQ. The term of the permit renewal is ten years so it will expire on December 31, 2035.

Recycling Modernization Act (RMA)

- *No status change since the last update.*
- Local Funding Authorization Form to authorize Recology Western Oregon to receive the funding on the City's behalf was approved by City Council on April 21, 2025.
- Staff has prepared and City Council has approved a lease amendment with Recology that will provide a small amount of additional space for recycling facilities at the transfer station.

FACILITIES

- No significant projects are currently underway

LANDSLIDE RESPONSE AND UTILITY REPAIR

Irving Avenue at 27th Street Emergency Road Repair

- This project includes temporary repairs to the damaged roadway on Irving Avenue near 27th Street that was caused by land movement which led to the road being closed in December. Repairs are intended to restore vehicular traffic at a reduced speed.
- FHWA funds administered through ODOT are likely available for the full amount of these repairs due to the declared Statewide emergency from the extreme rain event that triggered this localized land movement.
- A Request for Quotes was issued by the City in March for this project.
- Big River Construction is under contract to perform this work. Timing of the work is currently being evaluated with the goal of completing the work by June.



27TH Street and Grand Avenue Landslide

- Engineering Division staff are currently working with a consultant on a design to restore infrastructure in the area.
- Stop-gap repairs have been completed on the sanitary sewer pipe and storm drain flume system.
- The scope of work is currently being evaluated with respect to recent and continued land movement in the area.

PUBLIC WORKS ENGINEERING

Development Review Workload

- In calendar year (CY) 2026, the Engineering Division anticipates a sustained and significant development review workload, driven largely by construction coordination for several large commercial projects approved in previous years. While overall permit intake has declined, the complexity, scale, and coordination demands of current projects remain high. We are working on ways to increase review efficiency and minimize impacts on Public Works priorities. However, work associated with development review is expected to substantially impact staff resources available for capital improvement projects this year.
- Within the next year, Staff anticipate coordinating, reviewing, and overseeing construction associated with nearly \$200 million in private development. These projects require extensive staff involvement for plan review, inspection coordination, utility connections, traffic control, and compliance oversight throughout construction.
- Unpermitted work continues to place an increasing burden on Public Works resources. When work, such as utility connections, sidewalk repairs, grading/excavation, or driveway installations, is performed without the required permits or inspections, staff must shift from planned priorities to response efforts. This often involves site investigations, coordination with property owners, enforcement measures, and, in some cases, removal or correction of work that fails to meet City standards or creates safety concerns. These unexpected demands disrupt daily workflows, delay progress on capital and maintenance projects, and divert resources from development review and other essential services. Unpermitted work also undermines the City's efforts to maintain consistent infrastructure standards and protect the long-term reliability of its public systems.

GIS Updates

- GIS staff continue to make database and data management improvements. User experience improvements have been made to our desktop and mobile applications for both City staff and public use.
- GIS staff developed a UAS (Uncrewed Aircraft Systems)/Drone program to add aerial imagery and other associated resources to the City. This has already been used for natural resource monitoring, infrastructure inspection, and construction monitoring. Over 50 missions have been conducted to date.
- GIS staff migrated Automated Meter Reading (AMR) data collection to an electronic form. Additionally, fire hydrant flushing and flow testing data collection has been migrated. This provides an accurate location of assets along with validated data collection. Workflows have been developed to create products used by Public Works and Finance staff that are regularly updated and sourced from a single, authoritative dataset.
- Operations staff are using tablets and centimeter accurate GNSS (GPS) receivers in the field, which makes their access to GIS data more accurate and insightful. Their use is expanding with AMR, fire hydrant, and other utility asset

data collection. A second GNSS (GPS) receiver was purchased to increase the amount of data collected. Efficiency in field work and accuracy of asset locations are increasing, improving the knowledge and understanding of the various utility systems.

PUBLIC WORKS OPERATIONS

The following items highlight some of Operation's recent work:

Personnel and Training:

- Public Works filled two positions, completed two internal promotions, and successfully extended and accepted an offer for the Wastewater Treatment Plant Supervisor position during the quarter. Two employees obtained new water and wastewater certifications. Staff attended a regional management and technical conference and participated in specialized training on control valves and fire apparatus operations. Required safety trainings were completed across field and shop staff, including fall protection, mobile elevating work platforms, lock-out/tag-out procedures, load securement, traffic control, and safe operation of specialized equipment such as ring saws, snap cutters, and pipe-freezing systems. Staff also participated in asset management software demonstrations to evaluate potential system improvements.

Water:

- Water operations combined routine maintenance, system improvements, and emergency response. The City of Astoria was awarded "Best Tasting Surface Water in Oregon" for 2026 at the 48th Annual OAWU Management & Technical Conference. Crews replaced nearly 200 aging water meters with AMR units and completed systemwide hydrant flushing and flow testing. Maintenance activities at headworks and reservoirs included pump replacement, filter cleaning, leak repairs, and system monitoring enhancements. Eight water main breaks and leaks were repaired, several requiring significant overtime due to system complexity and location. A major leak at the Port of Astoria was identified and repaired, resulting in a measurable reduction in system demand. Additional work included installation of new service infrastructure, large meter testing, and GIS mapping of system components to improve long-term asset management.

Sewer:

- Sewer operations focused on system reliability, emergency response, and facility maintenance. The Wastewater Emergency Response Plan at the Wastewater Treatment Plant was updated during the quarter to improve preparedness and response procedures. Staff responded to numerous wet weather-related alarms across multiple pump stations and completed critical mechanical repairs, including pump motor replacement and bypass pumping operations. Preventive maintenance and troubleshooting activities included lateral cleaning, dye testing, and investigation of system deficiencies such as pipe sags and shared private infrastructure. Upgrades and maintenance at the Wastewater Treatment Plant included repairs to mixers, blowers, and screening equipment, with continued

implementation of grit removal processes. Staff also managed incident response, including vehicle damage to infrastructure and investigation of sewer backups and unauthorized discharges.

Stormwater:

- Stormwater crews conducted targeted maintenance, inspection, and system improvements to support drainage performance. Activities included citywide cleaning of storm inlets, installation of new cleanouts, replacement of manhole components, and CCTV inspection of storm lines to diagnose issues such as sinkholes and system connectivity. Crews also recovered equipment from the system and coordinated investigations of combined sewer infrastructure and catch basin tie-ins, improving understanding of system conditions and informing future maintenance and capital planning needs.

Transportation:

- Street operations addressed both routine maintenance and localized infrastructure issues. Crews repaired potholes at multiple locations, responded to landslide impacts, and removed fallen trees to maintain roadway safety. Traffic control improvements included replacement and updating of signage and repair of school crossing and street lighting systems. Crews also supported ADA improvements through utility potholing and maintained vegetation to improve visibility. Seasonal maintenance activities included approximately 150 hours of mowing and over 400 hours of street sweeping, reflecting ongoing system upkeep.

Shop and Yard:

- The Shop and Yard division supported operations through facility maintenance, equipment management, and interdepartmental services. Staff completed safety inspections, communications training, and facility repairs, including mechanical systems, access gates, and building components. Yard improvements included demolition and cleanup of obsolete structures. The division also coordinated procurement of new equipment and provided more than 200 hours of maintenance support to other City departments, ensuring fleet readiness and operational continuity.

Miscellaneous:

- Public Works staff provided ongoing support to City facilities and community assets. Work included pest control response and a wide range of maintenance activities at City Hall, fire stations, the public library, and other municipal facilities. Crews also completed improvements to fire station apparatus bays, lighting systems, and public safety infrastructure. Waterfront and dock maintenance continued, along with routine inspections at Heritage Square. Seasonal activities included removal and storage of holiday decorations and recycling of the City's Christmas tree.

BY: JEFF HARRINGTON, PUBLIC WORKS DIRECTOR

SUMMARY OF INFRASTRUCTURE GRANTS AWARDED

Staff has dedicated many hours of hard work to securing and administering grant funding for projects that would have otherwise been funded by incurring debt service, resulting in subsequent rate increases. Since 2006, Public Works has secured or assisted with approximately \$50 million in grant funding for the City.

Staff met the American Recovery Plan Act (ARPA) grant requirements for the following projects:

- OR202 Waterline Replacement Project - \$1,772,000
- Wastewater Treatment Plant (WWTP) Improvements Project - \$4,860,000 (ARPA Grant) + \$425,000 (OBDD Grant) + \$4,959,232 (OBDD Loan)
- Pipeline Road Waterline Resilience Project - \$2,930,000
- 16th Street Distribution Waterline Project - \$2,790,000

- Note: The Wastewater treatment Plant Project continues under the loan funding.

Staff met the FEMA and IFA Pre-Hazard Mitigation grant requirements for the following project:

- Pre-Disaster Landslide Storm Drainage Project - \$902,487.50 (75% or \$676,875 FEMA grant funded with 25% or \$225,615 City match funded by IFA)

GRANT FUNDED Bear Creek Dam Spillway Pre-design - \$140,000

The second phase of the spillway study will eventually result in meeting a requirement of the Oregon State Dam Safety Program that requires our High Hazard Dam to have the capability of passing a probable maximum flood event over the dam without causing damage to the dam and without reducing the dam's seismic stability.

**Funding source for the above project: Oregon Department of Water Resources*

GRANT FUNDED Irving Avenue (20th - 28th St.) Waterline Resiliency Project - \$1,894,662

This project will upgrade 2,800 LF of old 6-inch cast-iron water pipe to new resilient 12" HDPE pipe from 20th Street to 28th Street along Irving Ave. and will provide a critical alternate route for over a mile of the City's 21-inch transmission main that connects Reservoirs 2 and 3 through several landslide-susceptible areas. The existing pipe was installed in 1928 and 1970 and is aligned through several mapped landslide areas.

**Funding source for the above project: Congressional Directed Spending*

GRANT/LOAN FUNDED Sewer Lift Stations Rehabilitation Project - \$3,670,000

The City has three sewage lift stations that convey sewage around Astoria, starting on the Young's Bay side of town and heading to the wastewater treatment plant on the east side. Built in the early 1970s, these lift stations are in dire need of an overhaul, with breakdowns occurring periodically and costly repairs burdening our budget.

For the design phase, DEQ awarded a \$185,880 grant through their Overflow Sewer & Stormwater program and a loan of \$119,920 with 50% forgiveness (grant) through their Clean Water State Revolving Fund (CWSRF). For the construction phase, DEQ awarded a loan for \$3,370,000 and half of the loan (\$1,685,000) amount is forgivable loan (grant).

**Funding source for the above project: Department of Environmental Quality (DEQ)*

PROJECT SHORT LIST FOR FUTURE GRANT/LOAN REQUESTS

AWAITING FUNDING OPPORTUNITY Water System Clearwell Project - \$6,000,000

This project would improve operations at the water treatment facility and provide updated laboratory facilities. A study was completed in 2018 identifying the project's purpose, scope, cost and benefits.

AWAITING FUNDING OPPORTUNITY Phase 5 CSO Program Projects - \$18,000,000

Grant funding for the remaining CSO program projects would reduce the length and amount of future CSO surcharge rates for the ratepayer. While this amount of grant funding is not highly likely, we will continue to look for funding opportunities.

AWAITING FUNDING OPPORTUNITY Irving at 33rd Street Bridge - \$14,200,000

Public Works staff has applied for funding for our last of nine City-owned bridges three times but have not been awarded funding for this existing timber bridge built in 1951. Past bridge funding from ODOT Local Bridge Program consisted of 90% grant and 10% City match. Staff will continue to submit an application to this program for each STIP cycle.

AWAITING FUNDING OPPORTUNITY Denver and Alameda Sidewalk Project - \$960,000

This project is a transportation safety project identified in the City Transportation System Plan (TSP) as a priority sidewalk project linking neighborhoods above Tapiola Park and the Astoria High School to the Hwy 202 sidewalk corridor.

AWAITING FUNDING OPPORTUNITY City of Astoria Little Bear Creek Waterline Replacement Project - \$3,400,000

This funding would allow the City to replace approximately 3,200 feet of our only drinking water transmission main providing water to the City of Astoria and multiple

outlying water districts. This waterline was built in 1963 and is a 21-inch reinforced concrete cylinder pipe. The alignment of the water transmission main traverses through undeveloped forest land and crosses multiple landslides along the way. At this location the waterline crosses a creek where it has become exposed and is vulnerable to damage. The water transmission main has experienced failure caused by land movement at this location.

AWAITING FUNDING OPPORTUNITY City of Astoria 16th & Jerome to 18th & Irving Waterline Resilience Project - \$1,000,000

This funding would allow the City to replace approximately 1,100 feet of our drinking water distribution main providing increased water volume to the central part of town and providing backup (resilience) for the 21-inch waterline from Reservoir 3 to Reservoir 2.

AWAITING FUNDING OPPORTUNITY City of Astoria Wastewater Collection System Assessment & Master Plan - \$1,500,000

This funding would allow the City to complete a much-needed assessment of our wastewater collection system and complete a Collections System Master Plan which the City has never had. The City sewer system is a combined sewer/storm system much of which is between 50-100+ years old. This work would allow the City to plan and implement repairs much more efficiently and focus on system repairs that will support future housing.

AWAITING FUNDING GRAND TOTAL: \$45,060,000