



## CITY OF ASTORIA

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### MEMORANDUM • PUBLIC WORKS DEPARTMENT

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**DATE:** APRIL 21, 2025  
**TO:** MAYOR AND CITY COUNCIL  
**FROM:** SCOTT SPENCE, CITY MANAGER  
**SUBJECT:** PUBLIC WORKS STATUS UPDATE

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

#### WATERSHED

##### Watershed Road System

- Routine road maintenance – Our Water Source Operator has been conducting routine road system maintenance.
- Cedar Creek Bridge Project (ON HOLD)
  - City staff and City Forester Ben Hayes developed a concept plan to replace the deteriorating Cedar Creek road crossing within the City's watershed. The plan proposed constructing a new bridge along the existing road alignment. However, updated construction cost estimates have increased significantly (approximately \$500,000) due to inflation, making this option financially unfeasible. Additionally, the Oregon Department of Fish and Wildlife (ODFW) determined that the bridge project would not qualify as mitigation for the Spur 12 culvert project.
  - The City Forester is now collaborating with the Oregon Department of Forestry and ODFW to explore a new strategy for fulfilling the City's mitigation obligations. This will likely involve a culvert replacement project elsewhere within the watershed.
  - Alternative solutions for addressing the failing culvert and road crossing are currently under review. These may include a more cost-effective approach, such as removing the existing crossing, restoring the natural streambed, and constructing a simpler crossing at a different location.



## **WATER SYSTEM**

### **Slow Sand Filter Resanding Project 2025**

- Engineering staff will be preparing project documents for the upcoming Slow Sand Filter Resanding Project.
- This project serves to replenish the filter media in the City's slow sand filters to provide continued high-quality water treatment.
- Project solicitation is planned for July 2025.

### **16<sup>th</sup> Street Distribution Waterline Project (ARPA Grant Project)**

- Construction on the project began in March 2025.
- Installation of infrastructure to support the project is currently underway and includes a new PRV at 16<sup>th</sup> & Jerome, franchise utility relocation, pre-construction subsurface investigation, and temporary pedestrian facilities.
- Replacement of the 16th Street tunnel line is planned to begin in July 2025.

### **Pipeline Road Waterline Resilience Project (ARPA Grant Project)**

- Grant agreement with the Infrastructure Finance Authority (IFA) was approved.
- Tetra Tech was awarded the engineering services contract.
- Tapani, Inc. was awarded the construction contract.
- Additional scope to increase the pipe length is in final design.
- Construction activities that included potholing for existing utilities and clearing within the project area were completed in February.
- Construction will begin in earnest in early May.

### **Irving Ave from 20<sup>th</sup> St to 28<sup>th</sup> St Waterline Project (Congressionally Directed Spending)**

- 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**

- 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 this fiscal year for new meters and plan to budget \$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 plans to complete landslide mitigation work immediately adjacent to a City-maintained waterline along Old Highway 30. The City needs to relocate the waterline pipe to accommodate their construction project and minimize potential damage.
- Engineering staff has finalized the waterline plans.
- We are working with the City Attorney to coordinate an agreement for the relocation of the utility with the Department of Labor. The Department of Labor has indicated that the landslide mitigation work has been postponed due to funding. The City has not been able to finalize the agreement with the Department of Labor at this time.

## **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 7<sup>th</sup> Council Meeting) which will outline the specific corrective actions and schedule for implementation.

### **Skyline Place Waterline Improvement Project**

- *No status change since the last update.*
- This project will replace two 2-inch water lines that serve the Skyline Place neighborhood. It will also reroute several water services that are currently inaccessible in that area.
- The project is nearing final design but has been placed on hold due to other water improvement priorities.
- City secured an easement with adjacent property owner for the project.

## **SANITARY SEWER SYSTEM**

### **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 to detect if COVID-19 is spreading silently in communities.

### **Wastewater Treatment Plant Improvements Project (ARPA Grant Project)**

- 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 and is expected to be completed in Summer 2026.

## **Melbourne Ave. SS Replacement Project**

- *No status change since the last update.*
- This project includes 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.

## **Sewage Lift Stations Rehabilitation Project**

- Three sewage lift stations have been maintained for approximately 50 years with uninterrupted use. Recent maintenance activity has exceeded normal levels due to the components being beyond their design life.
- Design phase funding agreements were authorized in May 2024: 1) OSG grant amount of \$185,880 and 2) DEQ CWSRF loan amount of \$119,920 with 50% principal forgiveness.
- An additional OSG grant in the amount of \$200,001 was authorized in February 2025.
- Richwine Environmental finalized the Project Definition Report that recommended a CM/GC alternative bidding method for this project. City Council held a Public Hearing and approved this alternative bidding method.
- Construction is anticipated in Summer 2026.

## **COMBINED SEWER OVERFLOW (CSO) SYSTEM**

### **CSO Program**

- Staff presented a Draft Integrated Plan at the January 27<sup>th</sup> City Council work session. The plan was then sent to DEQ for review. Staff has received comments and is working on finalizing the document.
- Staff will schedule a City Council approval once the document is finalized. We are anticipating a late May or early June completion.
- An approved Integrated Plan will result in a program extension giving staff time to scope Phase 5 (last phase) and pursue grant funding.

## **TRANSPORTATION SYSTEM**

### **23<sup>rd</sup> Street Rectangular Rapid Flashing Beacon (RRFB) Project (ODOT Grant)**

- The project has been completed and is functional.
- Staff is working on final project documentation with ODOT and the consultant.

## **6<sup>th</sup> Street Waterfront Bridge Cathodic Protection Repair Project**

- Norton Corrosion is currently working on design of a replacement cathodic protection system on the 6<sup>th</sup> Street bridge that was damaged beyond repair over a year ago.

## **Trolley Trestle Repair Project 2025**

- DOWL, structural consulting engineers, are wrapping up a structural inspection of the trestle infrastructure currently.
- Design for the maintenance project will follow completion of the inspection, with the goal of soliciting bids by Fall 2025.

## **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.

## **Trolley Infrastructure Maintenance Planning**

- 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 the replacement of 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.

## **SANITATION**

### **Landfill Post-Closure Activities**

- 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 was showing 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.
- The Astoria School District addressed asphalt settlement issues near the concessions area by replacing the asphalt with reinforced concrete.
- Staff is working on a Landfill Closure Permit renewal. The term of the permit is ten years, and the current permit will expire on December 31, 2025. The renewal application is due by June 1, 2025.

## **FACILITIES**

### **PW Equipment Shed Roofing and Siding Project 2025**

- Wickwire Construction was awarded the construction contract.
- Work is anticipated to be completed by June 2025.

## **LANDSLIDE RESPONSE AND UTILITY REPAIR**

### **27<sup>TH</sup> 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.
- Completion of more permanent repairs is anticipated in late summer 2025.

## **PUBLIC WORKS ENGINEERING**

### **Development Review Workload**

- *No status change since the last update.*
- In calendar year (CY) 2025, the Engineering Division expects a significant workload associated with construction coordination on several large commercial projects approved last year. The volume of development review-related tasks remains 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.
- We anticipate the need to coordinate, review, and oversee construction on nearly \$300 million in private development within the next year.

### **GIS Updates**

- Staff have continued to make progress on developing the public works infrastructure system in GIS. We have also been working on our mobile application for both staff and public use.
- Staff have been developing a GIS solution for more streamlined management of Oceanview Cemetery.
- GIS staff will be developing a UAV (drone) program to add aerial imagery and other associated resources to the City.
- Operations staff are using tablets in the field, which makes their access to GIS data more efficient and helpful. They are planning to procure more tablets to expand the beneficial use of the system by additional operational field staff.

## **PUBLIC WORKS OPERATIONS**

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

### **Personnel and Training:**

- Field Operations Manager Ole Gifford retired on 12/31/24 after 38 years with the City of Astoria.
- Levi Greer was promoted to Field Operations Manager on 12/1/24.
- Eric Bufkin obtained Wastewater Collections III certification.
- Caleb Laws obtained Water Distribution I certification.
- Public Works Operations and Engineering staff engaged in two OSHA 10 safety training sessions with the proprietor of Risky Business, Inc.
- Eric Bufkin and Levi Greer attended the "HR & Manager Crash Course," a 14-hour training.
- Nate Bartlett obtained Water Operator recertification following attendance at the OAWU End-of-Year Operators' Conference.
- Staff engaged in vector trailer training and demonstration at Public Works Shops.



- Bret Stevens, Arthur Judd and Caleb Laws participated in de-icing best practices training held at ODOT offices in Astoria.
- Safety training reviews were provided for staff in front-end loader, sander, and chainsaw operation best practices.
- Staff reviewed respirator use best practices and the Public Works Respiratory Protection Program.
- Equipment Mechanic Nathaniel Van Dyke resigned his position on 11/15/24.

#### **Water:**

- All reservoirs and the Skyline Tank were inspected by divers and the Skyline Tank was cleaned.
- A major water leak was repaired on the 10-inch main at 38th St. and Lief Erikson Dr.
- Fifteen water leaks/main breaks were repaired.
- A new blow-off and service were installed at 1039 Irving Ave.
- Four disabled fire hydrants (8th & Bond St., and 18th, 20th, and 21st at Exchange St.) were restored to service.
- Crews completed the installation of 104 new AMR meters, concentrating efforts in the Alderbrook Neighborhood.
- A new, larger pump was installed and put into service at Reservoir #3 chlorinator.
- Results of the lead service line inventory were made public via the Daily Astorian and the City of Astoria website.
- Chlorine sensors were calibrated, and all four sand filter cells were cleaned at Headworks.

#### **Sewer:**

- Equipment at the Wastewater Treatment Plant, Mill Pond Pump Station, and Pump Stations #1 and #6 was winterized.
- The wet well at Pump Station #1 was cleaned three times, and the dry well was cleaned once; pump one was reinstalled following outside service and returned to operation.
- The wet well at the Mill Pond pump station was cleaned.
- The belt guard on the pump at Pump Station #5 was repaired.
- The shaft and mechanical unit on the sluice gate at the Denver Storage Facility were inspected.
- The bisulfite line at WWTP was replaced due to a large plug; used pex and installed larger-diameter line to increase resistance to freezing and clogging.
- Eleven work orders to TV sewer mains were completed.
- The sewer line on Washington St. was inspected from two directions to determine the reasons for frequent sinkholes; issues discovered included a sagging pipe section, minor joint separations, and debris requiring flushing.
- Numerous problems were found in the sewer main at 14th and Duane St., including cracked pipe sections, holes, joint separation, and sagging structure preventing a full inspection.

- A cracked and collapsed sewer pipe with 90% blockage was discovered between manholes on 32nd St. between Franklin Ave. and Marine Dr., with repairs to be effected later.

#### **Stormwater:**

- The TV camera was used to inspect a report of stormwater spilling out of a manhole at Alameda Ave. and Hyten Ct.; debris and wooden boards blocking an outflowing pipe were removed using a vactor and extension grabber, and the line was flushed.
- The storm line at 110 South Pl. was cleared, TV'd, and dye-tested to explain a nearby sinkhole; it was determined that the pipe and catch basins needed substantial repair, but the sinkhole was unrelated.
- Eighteen feet of 10-inch 3034 pipe were installed to connect the existing HDPE storm line from Irving Ave. to the manhole at the end of 27th St. adjacent to Grand Ave., and excavation behind 757 27th St. was done to lay the flume flush.
- Catch basins and storm inlets were cleared and cleaned in all city zones.

#### **Transportation:**

- Thermoplastic crosswalks and/or street markings were installed at 15th and Commercial St.; 10th and Duane St.; 14th and Marine Dr.; 10th and Franklin Ave.; and 1001 W. Marine Dr. at the entrance to Astoria High School.
- The berm in front of the driveway at 244 W. Exchange St. was rebuilt to prevent rainwater from pooling and flowing into the resident's garage.
- A bulb was replaced at 12th and Duane St. to reactivate a decorative street light, and Bogh Electric was worked with to convert the street light between Marine Dr. and Steam Whistle Way to LED and reactivate it.
- Large potholes were filled, and brush and debris were removed at 29th and 30th Streets adjacent to Riverwalk.
- Twenty-one work orders were completed, including potholes, signs, street sweeping, and dead animal removal.

#### **Shop and Yard:**

- Installed "Exit" signs and safety lighting at Public Works Shops.
- Performed maintenance on the DEF pump in the Public Works gas shack.
- 234.5 hours of interdepartmental vehicle maintenance (AFD, APD, Parks) were performed.
- Possession of a 2024 Ring-O-Matic hydro-excavating trailer was taken, purchased through NW Hydrovac Corp. (\$142,133.82).
- The Hofmann/Monty 1565 Tire Changer Machine was declared surplus.

#### **Miscellaneous:**

- Removed the exhaust fan and ductwork at Fire Station #2, installed a new fan and ductwork, and constructed and installed a transition fitting for the fan.

- Installed three fire extinguishers and an AED box in the temporary Public Library building.
- As part of a Mutual Aid Agreement, staff responded on-call with the City of Astoria vactor to assist the City of Warrenton in pumping their lift stations during an overnight power outage and mechanical failure of their vactor.
- Backup bumpers were installed in the parking area of the Emergency Services Building for APD.
- Parks & Recreation staff were assisted in removing and cleaning a transient camp located at 39th St. and Lief Erikson Dr.
- Two new supports were installed for the southeast corner of the chairwall while re-shoring existing supports at Heritage Square.
- The standpipe and all bollards on the 17th St. Dock were replaced and refurbished.
- Ed Karl traveled to Appleton, Wisconsin, with AFD personnel to assist with the purchase of a new city fire truck.
- Staff began work with new Rio telemetry software for the Water Department.
- Workers hung holiday lighting at City Hall, downtown Astoria, and installed the City Christmas holiday 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.

*\*Funding source for the following projects: American Recovery Plan Act (ARPA) Discretionary Funds*

### **GRANT FUNDED OR202 Waterline Replacement Project - \$1,772,000**

This project replaced an undersized older waterline that runs along the project limits of the recent OR202 Sidewalk Project. The pipe had to be replaced before repaving the highway adjacent to the new sidewalk between the Short Stop Market and Astoria High School. **[PROJECT COMPLETED]**

*\*Funding source for the following projects: American Rescue Plan Act Coronavirus (ARPA) State Fiscal Recovery Fund Grants administered through Infrastructure Finance Authority (IFA)*

### **GRANT FUNDED Wastewater Treatment Plant (WWTP) Improvements Project - \$4,860,000 (ARPA Grant) + \$425,000 (OBDD Grant) + \$4,959,232 (OBDD Loan)**

The Wastewater Treatment Plant upgrades, which include flow measurement, screening, influent grit removal, and pond baffles, have been in the works for many years.

### **GRANT FUNDED Pipeline Road Waterline Resilience Project - \$2,930,000**

This project includes re-aligning some of the most landslide-prone sections of our transmission main to more stable ground. This will be the start of many other project recommendations made in our Pipeline Road Transmission Main Resilience Study.

### **GRANT FUNDED 16<sup>th</sup> Street Distribution Waterline Project - \$2,790,000**

This project is the first section of our water distribution piping leaving Reservoir 2 and feeding a large section of the City including downtown and the Port area. The pipe was constructed in 1895 and runs through a tunnel from Reservoir 2 to 16<sup>th</sup> and Jerome Street.

*\*Funding sources for the following projects: FEMA Oregon Legislative Pre-Disaster Mitigation (LPDM) Funds and Infrastructure Finance Authority (IFA)*

### **GRANT FUNDED 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) This project included two of six landslide areas identified for storm pipe replacement of

pipe placed in the early 1950s after three very large landslides destroyed many homes along the north slopes of Astoria. **[PROJECT COMPLETED]**

*\*Funding source for the following projects: Oregon Department of Transportation*

**GRANT FUNDED OR 202 Sidewalk Project - \$4,172,000** (90% or \$3,743,450 grant funded with 10% or \$428,550 City match)

This project consisted of the construction of a new sidewalk and drainage infrastructure between Hanover St. and the Astoria High School. This area is experiencing high pedestrian volumes where walkers and bicyclists have to navigate the highway shoulder around a curved roadway. **[PROJECT COMPLETED]**

**GRANT FUNDED Marine Drive and 23<sup>rd</sup> Street Crosswalk Enhancements Project - \$200,000**

This project provided a Rapid Flashing Rectangular Beacon and crosswalk enhancements at the request of the CO-OP and Columbia Memorial Hospital, both of which have resulted in increased pedestrian activity at the crossing. **[PROJECT COMPLETED]**

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

**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 following projects: Congressional Directed Spending*

**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 following projects: Department of Environmental Quality (DEQ)*

**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). **Staff has applied for a DEQ loan for \$3,370,000 for the construction phase, which, we anticipate that half of the loan (\$1,685,000) amount will be a forgivable loan (grant).**

### **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 - \$6,000,000**

Public Works staff has applied for funding for our last of nine City-owned bridges twice but have not been awarded funding for this existing timber bridge built in 1951. Once federal stimulus funding works its way down to the Oregon Department of Transportation Local Bridge Program, it is our hope that the bridge replacement will be funded. Past bridge funding has consisted of 90% grant and 10% City match. **Staff will be submitting an application due October 16<sup>th</sup>, 2023, but our consultant who is assisting with the application anticipates that our project may not qualify for this round of funding.**

#### **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 Wastewater Treatment Plant Headworks Improvement Project - \$4,534,232 to bridge cost overrun currently proposed to be paid with a loan**

In April 2022, the City accepted a grant from the Oregon Coronavirus State Fiscal Recovery Fund in the amount of \$4,860,000 for the Wastewater Treatment Plant Headworks Improvement Project. The estimated project cost was pre-pandemic and after bidding the project the actual cost was realized to be \$9,869,232. This significant

increase in project cost was not anticipated and has been attributed to the existing volatile construction bid environment and continued increase in materials costs. In order to continue with the project and meet our permit requirements into the future, the City applied for and received a loan from Oregon Infrastructure Finance Authority in the amount of \$4,959,232 comprised of \$425,000 in grant funds and \$4,534,232 in loan funds.

**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.

**GRAND TOTAL: \$41,394,232**