

Astoria Public Works Capital Improvement Plan

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Introduction/Summary

The Astoria community has worked collaboratively with City Council and staff to establish a shared vision for the future of the city. This vision is reflected in the City Council Goals adopted by the Council. Each year, the Council reviews its goals and periodically adopts new priorities to provide focused direction toward achieving that vision. Among other objectives, the goals emphasize maintaining infrastructure in a condition that provides safe, reliable, and sustainable service while preparing for future growth.

The Capital Improvement Plan (CIP) represents the next step in implementing those goals by identifying and prioritizing capital projects over a five-year period. The CIP incorporates system needs identified through master plans, condition assessments, regulatory requirements, operational demands, and community priorities, while balancing those needs against available and anticipated financial resources.

Limited financial resources continue to present a significant challenge in addressing the City's infrastructure needs. A substantial gap exists between identified needs and available funding, with most major infrastructure projects relying heavily on debt financing and grant funding. Fortunately, the City has benefited from strong success in securing grants and historically favorable borrowing conditions. Public works staff have also done an exceptional job maintaining critical infrastructure systems well beyond their intended service life while continuing to deliver reliable public services.

Ongoing investment in City infrastructure remains essential to maintain service levels, support community needs, and comply with increasingly complex regulatory requirements. Although the City's long-term objective is to achieve a more sustainable funding structure for infrastructure replacement and rehabilitation, the current funding gap requires the City to focus primarily on critical infrastructure needs while continuing to pursue alternative funding opportunities.

Purpose & Review Process

The CIP is a financial planning document that identifies capital projects anticipated to be initiated over the next five fiscal years. Projects included in the CIP are largely based on previously adopted planning documents and master plans, including the Water System Master Plan (2021) and the Transportation System Plan (2013). More importantly, the CIP serves as the City's primary document for communicating critical infrastructure needs and supporting applications for state and federal funding opportunities. The first year of the CIP forms the basis for development of the capital component of the Fiscal Year 2026–2027 budget.

The CIP serves several key purposes:

- 1) **Prioritization:** The CIP enables the City to prioritize projects based on infrastructure condition, operational need, regulatory requirements, urgency, and available funding resources. This process helps ensure that the most critical projects are addressed first.
- 2) **Budgeting and Financial Planning:** The CIP supports long-term budgeting and financial planning by identifying estimated project costs and potential funding sources, allowing the City to allocate resources more effectively and strategically.

- 3) Strategic Planning: The CIP aligns infrastructure investments with the City’s long-term goals, adopted plans, and strategic priorities, ensuring that capital investments support broader community objectives.
- 4) Transparency and Communication: The CIP provides transparency to the public, City Council, staff, and funding agencies by clearly identifying planned improvements, anticipated timelines, and projected impacts on City infrastructure and services.
- 5) Risk Management and Asset Stewardship: The CIP assists the City in evaluating the condition of existing infrastructure, identifying operational and regulatory risks, and proactively planning for necessary rehabilitation, replacement, and system improvements.

The CIP is intended to be a dynamic planning document that reflects current priorities, operational needs, and financial constraints at a specific point in time. As a result, projects identified in the later years of the CIP are subject to change as new regulatory requirements emerge, system demands evolve, infrastructure conditions are reassessed, or funding availability changes. In addition, unforeseen grant opportunities and external funding sources may accelerate, delay, or otherwise influence project scheduling and prioritization.

Background

City Population

- Population of just over 10,000 residents, with relatively flat growth over the past 100+ years
- Minimal growth in utility customer base
- Astoria is identified as a disadvantaged community by the EPA EJScreen Tool <https://ejscreen.epa.gov/mapper/>

Age of Infrastructure

- Much of the City’s infrastructure is between 50 and 125 years old
- Many systems contain outdated materials and technologies
- Significant portions of the infrastructure are located within geologically unstable areas that are susceptible to ground movement and landslide activity

Water Infrastructure

- Original water system constructed in 1895
- Portions of the original 1895 waterline system remain in active service
- Approximately 680 million gallons of water are treated and distributed annually
- Approximately 80 miles of water distribution lines
- The 2021 Water System Master Plan identifies nearly \$80 million in needed system improvements, including approximately \$21 million in projects categorized as high, medium, and low priority capital needs

Wastewater Infrastructure

- Wastewater treatment plant, interceptor system and sewer lift stations constructed in 1974
- Collection system age varies significantly, with portions dating back to the early 1900s
- City has significant number of common sewers that are privately maintained
- Between 1 and 20 million gallons of sewage treated daily, with fluctuations largely dependent on precipitation levels
- Approximately 72 miles of wastewater collection piping

Stormwater Infrastructure

- Approximately 35 miles of stormwater collection piping
- 651 stormwater manholes
- 1,838 catch basins

Combined Sewer Overflow (CSO) Program

- \$50 million program started with a CSO Facilities Plan completed in 1998 and the first construction project started in 2004
- Four of the five program phases have been completed, with overall construction currently anticipated to conclude in 2044
- Approximately \$32 million has been invested in the program to date, with an estimated \$18 million remaining; the final three major capital projects have not yet been scheduled
- Current debt service associated with the program is approximately \$18 million, excluding interest
- The CSO surcharge rate is currently 97% of the sewer utility bill

Transportation Infrastructure

- Eight of the City's nine publicly owned bridges have been replaced using Local Bridge Program STIP funding
- The remaining bridge, Irving Bridge, has an estimated replacement cost of approximately \$14.2 million
- Approximately 55 centerline miles of roadway within the City of Astoria
- The City currently invests approximately \$500,000 in paving every two years using the local 3% fuel tax
- Current paving levels are estimated at approximately 8% of the annual investment recommended by the City's Pavement Management System
- No dedicated funding source currently exists for other transportation improvements, including sidewalks, pedestrian facilities, or trails
- The 2013 Transportation System Plan (TSP) identifies approximately \$49.2 million in driving, walking, bicycling, shared-use path, and transit improvement projects

Natural Hazard Mitigation

- Our 2021 Clatsop County Multi-Jurisdictional Natural Hazards Mitigation Plan identifies several mitigation actions related to public works infrastructure, including:
 - Replace of the Irving Avenue at 33rd Street Bridge
 - Evaluation of vulnerabilities within the water system, including the transmission main, water distribution system, and dam infrastructure; partially complete
 - Mitigation of identified water system vulnerabilities to improve disaster resiliency
 - Relocation of the Public Works Facility
 - Completion of a Risk and Resilience Assessment (RRA) and Emergency Response Plan (ERP) for the City’s drinking water system; complete
 - Drainage improvements in forested areas above the City to reduce landslide risks
 - Staff have identified 6 north slope areas that need drainage improvements:
 - Irving Avenue from 20th Street to 22nd Street – complete
 - 1st & Commercial Streets – complete
 - East of 38th Street and Irving Avenue
 - Irving Avenue from 33rd Street to 38th Street
 - Irving Avenue from 29th Street to 33rd Street
 - Irving Avenue & 19th Street – north of the bridge

The City has completed improvements in two of the identified drainage areas at a total cost of \$902,500. The project was fully funded through a combination of 75% grant funding awarded under the 2022 Congressional Directed Spending process and a 25% matching grant from the Business Oregon Infrastructure Finance Authority (IFA) Program. The completed improvements have been effective in enhancing stormwater collection and reducing drainage issues in both areas.

The estimated cost to construct storm drainage improvements in the remaining four areas is approximately \$5 million.

Current Utility Rates

- The average monthly utility bill is approximately \$185 for a typical residential customer using 7,500 gallons of water per month. This total includes water, sewer, and the Combined Sewer Overflow (CSO) surcharge.
- Current utility rates primarily support operations and maintenance activities. Major capital improvements remain heavily dependent on grants, loans, and associated debt financing.

Levels of Funding

- 1) Operations and Maintenance Only – Current level of funding
 - Existing revenue levels generally support only routine operations, maintenance, and limited repair activities.

- 2) Maintenance & Capital Improvement
 - Under the current model, nearly all significant capital improvements depend on external grant funding or borrowed funds, resulting in additional long-term debt service obligations.
- 3) Maintenance, Capital Improvement and Resilience (Aspirational)
 - The City’s long-term objective is to achieve a sustainable funding structure that supports ongoing maintenance, infrastructure replacement, system resiliency, and emergency preparedness without excessive dependence on debt financing.

Funding Sources

- 1) Water & Sewer Rates and Fuel Tax – primary funding mechanisms supporting operation and maintenance of utility and transportation infrastructure systems.
- 2) System Development Charges (SDC) – new funding source implemented December 1, 2023. Eligible capital projects are identified in Appendix A: CIP Project List. SDC revenues may only be used for projects, or portions of projects, that increase system capacity. Infrastructure replacement or repair projects that maintain existing capacity are generally not eligible.
- 3) Bonds and Local Improvement Districts (LID)
- 4) Urban Renewal District (URD) Funding – limited availability for eligible infrastructure projects.
- 5) Room Tax (Promote Astoria Funds) – limited availability to Public Works infrastructure projects at this time.

Rate History

While As part of research conducted for the industrial pretreatment program, staff reviewed water and sewer ordinances adopted between 1973 and 2019. This review identified a long-standing pattern of minimal utility rate increases over the past 47 years. Historically, rate adjustments have rarely exceeded a few percent annually and generally have not kept pace with inflation, increasing regulatory requirements, or the growing backlog of deferred infrastructure maintenance.

Following construction of the wastewater treatment plant, sewer interceptor system, and multiple pumping stations in the 1970s, rates were increased only minimally for approximately two years before economic conditions halted additional increases until 1982, when a modest increase was approved.

Between 2001 and 2010, average annual water rate increases were approximately 7.63%. However, between 2011 and 2020, as the CSO surcharge was introduced and progressively increased, average annual rate increases declined to approximately 1.9%. Since 2020, average annual increases have been approximately 3.8%.

As a result, current revenues have not kept pace with the City’s growing infrastructure replacement needs, deferred maintenance obligations, and increasingly complex regulatory requirements.

Level of Infrastructure Reinvestment

Astoria’s current investment in public infrastructure remains significantly below generally accepted municipal asset management standards. For example, the City’s water system has an estimated replacement value of approximately \$400 million. Currently, approximately \$500,000 is budgeted annually for maintenance and repair activities, with limited funding available for major capital replacement projects.

Assuming an average infrastructure design life of 50 years, and assuming approximately 50% of system assets require replacement within that lifecycle, the City would need to invest approximately \$4 million annually in water infrastructure replacement alone, excluding deferred maintenance needs.

$$\frac{\$400,000,000}{50 \text{ years}} \times 50\% = \$4,000,000 \text{ per year}$$

Current funding levels fall substantially below this benchmark. As a result, the City is largely operating under what is commonly referred to within the industry as a “react-and-repair” strategy, where infrastructure failures and emergencies are addressed as they occur rather than through proactive replacement and resiliency planning.

Existing Financial Summary

The City of Astoria faces significant infrastructure and financial challenges within the Public Works Department. Much of the City’s infrastructure is between 50 and 125 years old, despite typical infrastructure design lives generally ranging from 20 to 50 years. In addition, a substantial portion of the City’s infrastructure is located within geologically unstable areas that are subject to ongoing ground movement and heightened seismic vulnerability.

The City also faces unique financial constraints associated with its slow-growth population base. Astoria’s population has remained relatively stable at just over 10,000 residents for more than a century, with future growth projections anticipated to remain minimal. Limited growth and constrained development opportunities reduce the City’s ability to generate additional infrastructure revenue through system expansion. Larger communities are often able to distribute infrastructure costs across broader customer bases and achieve greater operational efficiencies through economies of scale.

Astoria is also exposed to a wide range of natural hazards, including windstorms, landslides, shoreline erosion, flooding, earthquakes, tsunamis, and potential drought conditions. These risks create an increased need for resilient infrastructure systems and emergency preparedness investments.

Compounding these challenges is the City’s federally mandated Combined Sewer Overflow (CSO) Program. The approximately \$50 million program has required the City to assume substantial long-term debt obligations, funded primarily through a CSO surcharge imposed on utility ratepayers. While necessary to meet regulatory requirements, the surcharge has also constrained the City’s ability to increase water and sewer rates to address other critical infrastructure needs.

Current funding limitations continue to impact the City’s ability to:

- 1) Adequately replace aging infrastructure systems.
- 2) Recruit, retain, and support sufficient Public Works staffing necessary to operate and maintain increasingly complex infrastructure systems and regulatory programs.
- 3) Compete with larger metropolitan areas in attracting and retaining licensed and certified Public Works professionals.
- 4) Invest additional staff capacity toward proactive maintenance, emergency preparedness, and resiliency planning initiatives.

Public Works staff invest substantial time and resources into developing highly trained personnel who must maintain specialized licenses and certifications required by law. Employee turnover therefore represents both an operational and financial loss to the department and the community.

Over time, reduction and eventual elimination of CSO-related debt service obligations could provide the City with greater flexibility to adjust utility rates and make meaningful progress toward 1) Addressing infrastructure deficiencies and deferred maintenance; 2) Addressing staffing and operational capacity limitations; and 3) Improving overall system resiliency and long-term reliability.

The following table summarizes the estimated financial impact associated with borrowing \$1 million for infrastructure improvements:

Item	Amount
FY 25 Water & Sewer Revenue	\$7,308,083
Assumed Loan Interest Rate	2.02%
Debt Amount	\$1,000,000
Loan Term	25 Years
Annual Payment (<i>Principal Only</i>)	\$40,000
Annual Payment with Interest	\$40,808
Required Revenue	\$7,348,891
Required Utility Rate Increase for Debt Service Repayment	0.56%

Infrastructure Funding Strategy

To work toward the long-term goal of sustainable infrastructure funding, the City has identified the following strategy for the next 10-year period, with a primary focus on the first five years:

- 1) Complete currently funded projects - Prioritize completion of projects that already have secured funding commitments in order to maximize existing investments and maintain project delivery schedules.
- 2) Pursue Grant Opportunities with Minimal Local Match Requirements - Continue aggressively pursuing state and federal grant opportunities, particularly those with low or no local match requirements, to reduce reliance on debt financing and utility rate increases.
- 3) Implement Minimum Annual Utility Rate Adjustments - Maintain minimum annual utility rate increases of approximately 3% to help sustain current service levels and partially offset inflationary pressures, rising operational costs, and ongoing maintenance needs.
- 4) Reduce Long-Term CSO Financial Burden - Continue implementing strategies to reduce the long-term financial impact of the Combined Sewer Overflow (CSO) Program, including securing program schedule extensions, reducing CSO surcharge pressures, facilitating repayment of existing debt obligations, and pursuing grant funding opportunities. Significant progress has already been made in this area.
- 5) Establish and Grow Infrastructure Reserve Funds - Develop a long-term reserve fund strategy to improve financial resiliency, support emergency response needs, reduce dependence on debt financing, and provide more stable funding for future infrastructure replacement and rehabilitation projects. This effort is currently in progress.

Summary of Capital Improvement Project Funding

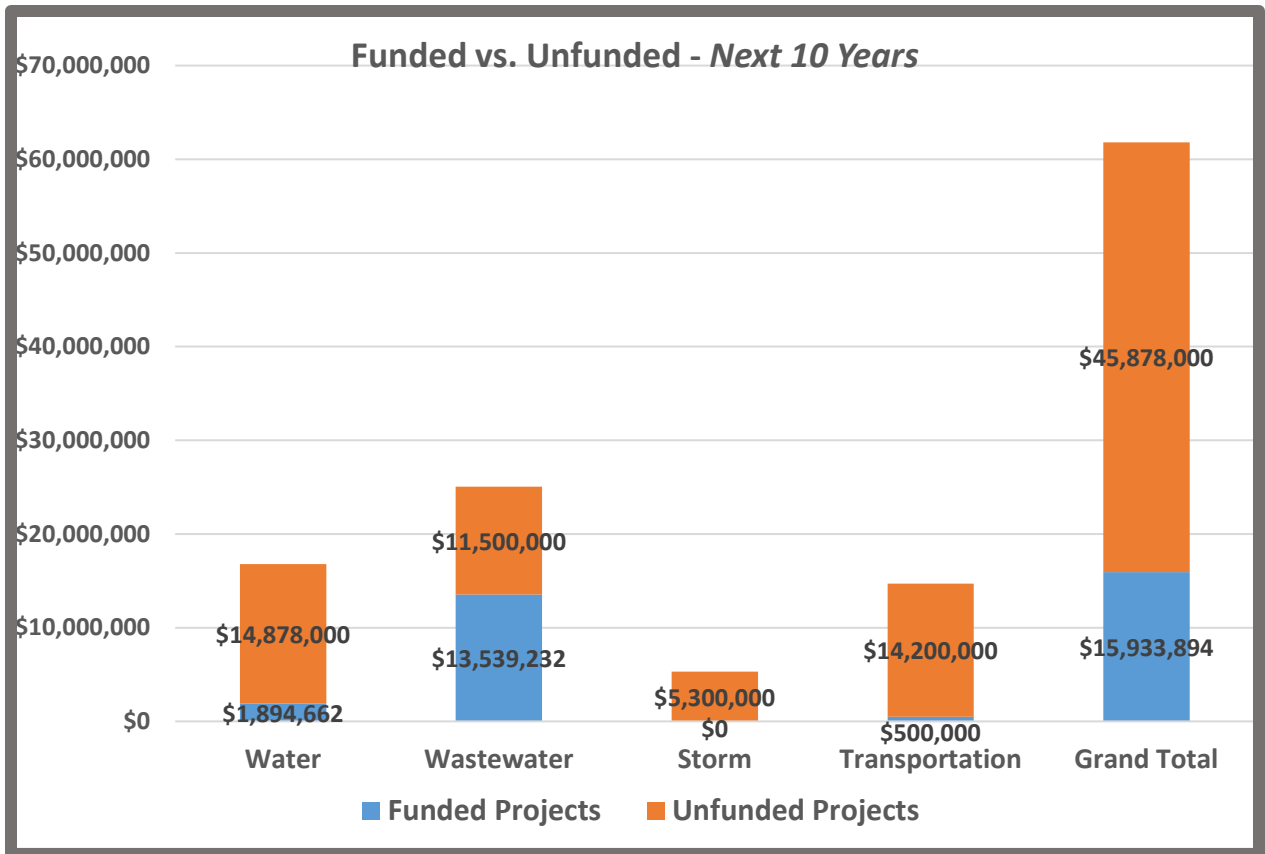
System	Funded Projects	Unfunded Projects	Total
Water	\$1,894,662	\$92,168,000	\$94,062,662
Wastewater	\$13,539,232	\$59,525,000	\$73,064,232
Storm	\$0	\$10,550,000	\$10,550,000
Transportation	\$500,000	\$67,640,400	\$68,140,400
Grand Total	\$15,933,894	\$229,883,400	\$245,817,294

**Projects are grouped by infrastructure class and listed in no particular order. A more detailed list of CIP projects and infrastructure can be found in the attached appendices.*

Highest Priority Projects – Next 10 Years

Capital Improvement Project	Class	Total Project Cost	Funded Yes/No
Irving Ave. (20th - 28th St.) Waterline Resiliency Project	Water	\$1,894,662	Yes
Spur 14 Intake	Water	\$600,000	No
Clearwell and Laboratory at the Water Treatment Plant	Water	\$6,000,000	No
Little Bear Creek Waterline Resilience Project	Water	\$3,400,000	No
16th & Jerome to 18th & Irving Waterline Resilience Project	Water	\$1,000,000	No
Bear Creek Dam Emergency Spillway Project	Water	\$3,878,000	No
WWTP Headworks Improvements Project	Wastewater	\$9,869,232	Yes
Sewage Lift Stations Rehabilitation Project	Wastewater	\$3,670,000	Yes
Wastewater Collection System Assessment & Master Plan	Wastewater	\$1,500,000	No
Sanitary Sewer Pipe Interceptor Comprehensive Evaluation (including cleaning)and Replacement/Rehabilitation Project	Wastewater	\$10,000,000	No
11th Street Tunnel Repair Project	Storm	\$500,000	No
West Craig Creek - rehab, replace or reroute	Storm	\$2,000,000	No
Replace Street End Corrugated Steel Outfall Pipes	Storm	\$1,500,000	No
7th & Clatsop Stormline Extension	Storm	\$300,000	No
Irving & 38th Storm Inlet & Stormline Relocation Project	Storm	\$1,000,000	No
Paving Project (every 2 years)	Transportation	\$500,000	Yes
Irving at 33rd Street Bridge Replacement	Transportation	\$14,200,000	No

Note: All cost estimates are subject to increase due to inflation and the time that has passed since they were prepared.



Appendices

Appendix A: CIP Projects List: Outlines projects identified in the City’s Water System Master Plan (WSMP) from 2021 and the Astoria Transportation System Plan (TSP) from 2013, along with other critical projects identified by Staff. This extensive list reflects approximately \$246 million in infrastructure needs across water, sanitary sewer, stormwater, and transportation. Actual costs are expected to be higher due to inflation. While updating all project estimates would be a significant undertaking, they will be revised individually as funding becomes available. This approach will help prioritize critical infrastructure projects and facilitate the identification and pursuit of new grant opportunities. While few of these projects are currently funded, some are eligible for a small portion of System Development Charge reimbursement. This 10-year schedule prioritizes the most urgent projects for the coming decade, but please note that schedules may change as needs evolve over time.

Appendix B: Asset Inventory: Details the City’s critical infrastructure, including the age and value of each asset. Staff estimates that the City maintains over \$1 billion in infrastructure assets. Costs for each asset are derived from multiple master plan capital project lists of varying ages, with the understanding that costs are subject to change due to inflation, more detailed estimating in the future, and project scope refinement and development.



Conclusion

The CIP provides a critical framework for addressing Astoria's aging infrastructure and the financial constraints that impact the City's ability to provide reliable public services. Together with previously adopted master plans, the CIP reflects a collaborative effort between the community, City Council, and staff to establish a long-term strategy for maintaining and improving essential infrastructure systems. While the CIP identifies needs over a 10-year horizon, its primary focus is on the first five years of implementation.

The significant gap between identified infrastructure needs and available funding underscores the importance of strategic planning and disciplined investment. By prioritizing critical projects, pursuing external funding opportunities, and focusing available resources on the City's highest infrastructure needs, Astoria can continue making meaningful progress toward improving system reliability, resiliency, and public safety.

Although grants and low-interest loans remain essential funding tools for the City, reliance on external funding alone is not a sustainable long-term strategy. Continued efforts to strengthen financial planning, develop reserve funding strategies, and improve public understanding of infrastructure challenges will be necessary to support long-term system sustainability and resiliency.

Astoria also faces unique challenges associated with its aging infrastructure, limited population growth, geographic constraints, and exposure to natural hazards. Addressing these challenges will require continued collaboration, proactive planning, and strategic investment in infrastructure rehabilitation, replacement, and emergency preparedness.

As the City moves forward, it will remain important to adapt to changing infrastructure conditions, regulatory requirements, community priorities, and funding opportunities. Through continued planning and investment, the City can work toward a more resilient and sustainable infrastructure system that supports public health, safety, economic stability, and quality of life for current and future generations.

APPENDIX A: CIP Projects List

Plan Project No.	Capital Improvement Project	Class	Priority	Total Project Cost	Funded Yes/No	SDC Eligibility	Fiscal Year	FY 2024 & Prior	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
	Paving Project (every 2 years)	Transportation	High	\$500,000	Yes	0.00%	Biennial	\$0	\$500,000	\$0	\$500,000	\$0	\$500,000	\$0	\$500,000	\$0	\$500,000	\$0
	WWTP Headworks Improvements Project	Wastewater	High	\$9,869,232	Yes	11.20%	2023 - 2026	\$588,314	\$4,746,686	\$4,534,232	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Sewage Lift Stations Rehabilitation Project	Wastewater	High	\$3,670,000	Yes	0.00%	2025 - 2026	\$0	\$1,835,000	\$1,835,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W12	Irving Ave. (20th - 28th St.) Waterline Resiliency Project	Water	High	\$1,894,662	Yes	0.00%	2026 - 2027	\$0	\$0	\$0	\$947,000	\$947,000	\$0	\$0	\$0	\$0	\$0	\$0
	11th Street Tunnel Repair Project	Storm	High	\$500,000	No	12.69%	2026	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Spur 14 Intake	Water	High	\$600,000	No	0.00%	2027	\$0	\$0	\$0	\$600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W13	Clearwell and Laboratory at the Water Treatment Plant	Water	High	\$6,000,000	No	100.00%	2028	\$0	\$0	\$0	\$0	\$6,000,000	\$0	\$0	\$0	\$0	\$0	\$0
	Wastewater Collection System Assessment & Master Plan	Wastewater	Medium	\$1,500,000	No	0.00%	2028	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0
	West Craig Creek - rehab, replace or reroute	Storm	High	\$2,000,000	No	12.69%	2028	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0
	Little Bear Creek Waterline Resilience Project	Water	Medium	\$3,400,000	No	9.63%	2030	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$0	\$0	\$0	\$0	\$0
	Replace Street End Corrugated Steel Outfall Pipes	Storm	High	\$1,500,000	No	12.69%	2030	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$0
	Irving at 33rd Street Bridge Replacement	Transportation	High	\$14,200,000	No	0.00%	2030	\$0	\$0	\$0	\$0	\$0	\$0	\$14,200,000	\$0	\$0	\$0	\$0
	Sanitary Sewer Pipe Interceptor Comprehensive Evaluation (including cleaning)and Replacement/Rehabilitation Project	Wastewater	Medium	\$10,000,000	No	0.00%	2030 - 2034	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000
W9	16th & Jerome to 18th & Irving Waterline Resilience Project	Water	High	\$1,000,000	No	0.00%	2031	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$460,000	\$0	\$0	\$0
	7th & Clatsop Stormline Extension	Storm	High	\$300,000	No	12.69%	2032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0
	Bear Creek Dam Emergency Spillway Project	Water	Medium	\$3,878,000	No	9.63%	2034	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,878,000
	Irving & 38th Storm Inlet & Stormline Relocation Project	Storm	Medium	\$1,000,000	No	12.69%	2034	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000
W1	Install 10,350 LF 12" main to complete waterfront looped backbone	Water	High	\$4,310,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W10	Replace existing water meters with AMR system	Water	High	\$1,500,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W11	Install 430 LF 8" main to 2nd St/Franklin Ave, 2,500 LF 12" main from 1st St/Kensington Ave to 6th St/Grand Ave, 1,200 LF 12" main from 6th St/Grand Ave to 3rd St/Franklin Ave	Water	High	\$1,680,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W2	Install 900 LF 12" main from Portway St/Industry St to Hamburg St/Industry St	Water	High	\$370,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W3	Install 2,500 LF 12" main from the Port to W Marine View/Denver St	Water	High	\$1,040,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W4	Install 1,100 LF 14", 1400 LF 18" transmission main from Reservoir 2 to Low Pressure Zone	Water	High	\$1,280,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W5	Install 2,600 LF 8" main from 8th St/Irving Ave to 1st St/W Grand Ave	Water	High	\$850,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W6	Project to improve fire flow at Skyline	Water	High	\$580,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W7	Install fire pump at East Astoria Tanks	Water	High	\$350,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W8	a. Upgrade existing main from 35th St/Irving Ave to 36th St/Grand Ave (1,200 LF) b. Install new main from East Astoria pipeline (Emerald Heights) to 43rd St/Franklin Ave (2,500 LF)"	Water	High	\$1,430,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W19	Install 800 LF 12" main from 11th St/James Ave to 11th St /Kensington Ave	Water	Low	\$330,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W20	Install 900 LF 8" main from 9th St/Klaskanine Ave to 9th St/McClure Ave	Water	Low	\$290,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W21	Install 370 LF 8" main from Franklin Ave to Grand Ave (along 26th St or 27th St)	Water	Low	\$120,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W22	Install 350 LF 6" main from 51st St/Cedar St to 51st St/Lief Erikson Dr, 50 LF 2" main to extend dead-end service on Lief Erikson Dr	Water	Low	\$110,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W23	Install 2,750 LF 12" main from 6th St/Kensington Ave to 15th St/Lexington Ave	Water	Low	\$1,140,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W24	Replace Navy Hospital Swamp Line	Water	Low	\$500,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W25	Replace 21" meters (2) for Reservoir No. 3	Water	Low	\$100,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W26	Replace 10" meter and 12" meter for Reservoir No. 2	Water	Low	\$100,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W27	Replace Cedar Creek culvert with bridge	Water	Low	\$350,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W28	Install new slide gates on Bear Creek and Cedar Creek diversion structures	Water	Low	\$100,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W14	In downtown area: loop existing 4" dead-ends to existing 10" and 12" mains where possible or relocate services to existing 10" and 12" mains where possible.	Water	Medium	\$100,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W15	Install 2,100 LF 10" main from 2nd St/Franklin Ave to Lincoln St/W Grand Ave, 2,430 LF 10" main from Lincoln St/W Grand Ave to W Lexington St/W Grand Ave	Water	Medium	\$1,680,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

APPENDIX A: CIP Projects List

Plan Project No.	Capital Improvement Project	Class	Priority	Total Project Cost	Funded Yes/No	SDC Eligibility	Fiscal Year	FY 2024 & Prior	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
W16	Install 900 LF 8" main from Wall St and SE 2nd St to Howard St	Water	Medium	\$290,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W17	Install 300 LF 8" main on Washington St from W Bond St to Alameda Ave	Water	Medium	\$100,000	No	9.63%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W18	Replace gas chlorination system with liquid hypochlorite system	Water	Medium	\$260,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W29	Replace or retrofit in-town reservoirs	Water	Low - Aspirational	\$15,000,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
W30	Install 12 miles 24" transmission main	Water	Low - Aspirational	\$43,330,000	No	9.63%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	7th St and Olney Sanitary Sewer Repair (Fultano's)	Wastewater	High	\$400,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	32nd St & Franklin Collapsed Sanitary Sewer	Wastewater	High	\$150,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Combined Sewer Overflow (CSO) Phase 5	Wastewater	High	\$18,000,000	No	0.49%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PS#6 Rehabilitation Project	Wastewater	Medium	\$100,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Replace existing concrete sewer pipe on Cedar Street from 47th to 50th	Wastewater	Medium	\$600,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Remove power line in sewer pipe at 33rd St & Lief Erikson Drive	Wastewater	Medium	\$25,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Remove plugged diversion manholes and replace with straight pipe	Wastewater	Medium	\$200,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Senior Center 8-inch Sewer Line Repair	Wastewater	Medium	\$500,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	36th & Lief Erikson Drive Sewer	Wastewater	Medium	\$250,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Replace 8" concrete sewer pipe north of Marine between Hamburg & Hull (behind Dutch Bros)	Wastewater	Medium	\$400,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Replace sewer pipe on Alameda between Melbourne & Columbia	Wastewater	Low	\$400,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	On-site Chlorine Generation Project	Wastewater	Low	\$2,000,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Sanitary Sewer Pipe Replacement/Rehabilitation Project (Downtown)	Wastewater	Low - Aspirational	\$15,000,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Sanitary Sewer Pipe Replacement Project (City-wide Critical Areas)	Wastewater	Low - Aspirational	\$10,000,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Pre-Disaster Landslide Storm Drainage Project (Remaining areas)	Storm	Medium	\$5,000,000	No	12.69%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Large Diameter Stormwater Outfall Pipe Flushing & Repair Project	Storm	Medium	\$250,000	No	12.69%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	OR202 Sidewalk Project - Phase 2	Transportation	High	\$4,000,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Denver & Alameda Sidewalk Project	Transportation	Medium	\$960,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Shared Roadway Enhancements - Various Locations (TSP Projects # B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, B12, B14, B15, B16, B17, B18, B20, B21, B22, B23, B33, B34, B35, B36, B37, B38, B39, B40, B43, B44, B47, B49, B52, B53, B55)	Transportation	Short-Term Likely Funded Plan	\$334,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$334,000	\$0	\$0	\$0	\$0	\$0
B50	Marine Drive/W Marine Drive Bike Lanes – Bay St. to 6 th St. (This project was partially completed with the Marine Drive road reconfiguration project from Hume Ave. to 8th St.)	Transportation	Short-term Likely Funded Plan	\$32,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-06	OR202 and 4th St Crossing Enhancements - OR202 and 4th Street	Transportation	Short-term Likely Funded Plan	\$34,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-08	US 30 and 6 th St. Crossing Enhancements (included with Marine Drive-Columbia to 9th Circulation Option)	Transportation	Short-term Likely Funded Plan	\$75,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-09	US 30 and 8th Street Crossing Enhancements (included with Marine Drive-Columbia to 9th Circulation Option)	Transportation	Short-term Likely Funded Plan	\$75,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-10	Commercial and 8 th Street Crossing Enhancements (included with Marine Drive- Columbia to 9th Circulation Option)	Transportation	Short-term Likely Funded Plan	\$75,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-13	US 30 and 16th Street Crossing Enhancements	Transportation	Short-term Likely Funded Plan	\$21,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D1	7th Street Road Diet - Niagara Avenue to OR 202	Transportation	Short-Term Likely Funded Plan	\$103,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D14	Niagara Avenue Road Diet - 7th Street to 15th Street; 3rd Street to 7th Street Optional.	Transportation	Short-term Likely Funded Plan	\$275,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

APPENDIX A: CIP Projects List

Plan Project No.	Capital Improvement Project	Class	Priority	Total Project Cost	Funded Yes/No	SDC Eligibility	Fiscal Year	FY 2024 & Prior	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
D21	Marine Drive – Columbia to 9 th Circulation Option (This project has been partially completed with a road reconfiguration from Columbia Ave. to 8th Street. ODOT completed this in 2023. It did not include relocation of the traffic signal from 9th to 10th Street)	Transportation	Short-Term Likely Funded Plan	\$446,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P5	8th Street (South) Sidewalk Infill - Kensington Avenue to Madison Avenue	Transportation	Short-Term Likely Funded Plan	\$99,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B41	OR 202/W Marine Drive Bike Lanes - High School to Williamsport Road	Transportation	Medium-term Likely Funded Plan	\$44,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B42	US 30 Bike Lanes - From the eastern extent of the existing bike lane between 39th and 43rd to the eastern City Limits (near Old Hwy 30)	Transportation	Medium-term Likely Funded Plan	\$89,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B48	Leif Erikson Drive Bike Lanes - 33rd Street to 39th Street	Transportation	Medium-term Likely Funded Plan	\$22,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-11	Exchange and 13 th Street Crossing Enhancements	Transportation	Medium-term Likely Funded Plan	\$34,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D2	US 101-US 30 Coordinated Signal Timing Plans - US 101-US 30 from Portway Street to Columbia Avenue-Bond Street	Transportation	Medium-term Likely Funded Plan	\$75,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D3	Marine Drive Coordinated Signal Timing Plans - Marine Drive from 30 th Street to 33rd Street	Transportation	Medium-term Likely Funded Plan	\$50,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D39	Downtown Circulation Feasibility Study	Transportation	Medium-term Likely Funded Plan	\$100,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P1	15th Street Sidewalk Infill - Jerome Avenue to Niagara Avenue	Transportation	Medium-term Likely Funded Plan	\$204,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P20	Oregon Street Sidewalk Infill - Florence Avenue to Alameda Avenue	Transportation	Medium-term Likely Funded Plan	\$75,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P23	Vista Drive Sidewalk Infill - Alameda Avenue to W Marine Drive	Transportation	Medium-term Likely Funded Plan	\$133,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P28	W Niagara Avenue Sidewalk Infill - Glasgow Avenue to East of Alameda Avenue	Transportation	Medium-term Likely Funded Plan	\$126,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P31	Alameda Avenue Sidewalk Infill - Existing shared use path to Bridgeview Court	Transportation	Medium-term Likely Funded Plan	\$392,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P8	Florence Avenue Sidewalk Infill - Rivington Street to Oregon Street	Transportation	Medium-term Likely Funded Plan	\$168,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P9	Franklin Avenue Sidewalk Infill - 7th Street to 8th Street	Transportation	Medium-term Likely Funded Plan	\$46,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
T1	Bus Stop Amenity Enhancement	Transportation	Medium-term Likely Funded Plan	\$100,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B54	Niagara Avenue Bike Lanes - 17th Street to 15th Street	Transportation	Long term Likely Funded Plan	\$23,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
S1	Middle School Connector Bicycle and Pedestrian Trail - James Street to Middle School	Transportation	Long term Likely Funded Plan	\$139,000	No	100.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
S2	Commercial Connection Bicycle and Pedestrian Trail - Commercial Street western terminus to Alameda Avenue	Transportation	Long term Likely Funded Plan	\$79,000	No	100.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B13	8th Street Bike Lane / Shared Roadway Enhancements - Niagara Avenue to Irving Avenue	Transportation	Long-Term Phase 1 Likely Funded Plan	\$13,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B4	7th Street Bike Lane / Shared Roadway Enhancements - Niagara Avenue to OR 202	Transportation	Long-Term Phase 1 Likely Funded Plan	\$29,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-02	US 30 and 45th Street Crossing Enhancements - US 30 and 45th Street	Transportation	Long-Term Phase 1 Likely Funded Plan	\$26,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-03	US 30 and 37th Street Crossing Enhancements - US 30 and 37th Street	Transportation	Long-Term Phase 1 Likely Funded Plan	\$26,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-04	OR202 and 7th Street Intersection Enhancements - OR202 and 7th Street	Transportation	Long-Term Phase 1 Likely Funded Plan	\$1,200	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-05	Niagara between 8th and 9th Crossing Enhancements - Niagara between 8th and 9 th	Transportation	Long-Term Phase 1 Likely Funded Plan	\$34,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-07	OR202 just east of Hannover Street Crossing Enhancements	Transportation	Long-Term Phase 1 Likely Funded Plan	\$34,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-14	US 30 and 18th Street Crossing Enhancements	Transportation	Long-Term Phase 1 Likely Funded Plan	\$17,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-16	Commercial at 10th, 11th and 12th Crossing Enhancements	Transportation	Long-Term Phase 1 Likely Funded Plan	\$100,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-17	Roundabout Enhancements - Provide additional signage at roundabout to clarify expected behavior for bicyclists or consider alternate route using Taylor Avenue	Transportation	Long-Term Phase 1 Likely Funded Plan	\$1,200	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CR-18	Niagara and 15th Street Enhance existing crosswalk with high visibility zebra striping and adequate lighting.	Transportation	Long-Term Phase 1 Likely Funded Plan	\$17,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D12	OR 202/7th Street Safety Enhancement	Transportation	Long-Term Phase 1 Likely Funded Plan	\$160,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D22	OR 202/Denver Street Capacity Enhancement	Transportation	Long-Term Phase 1 Likely Funded Plan	\$1,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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Plan Project No.	Capital Improvement Project	Class	Priority	Total Project Cost	Funded Yes/No	SDC Eligibility	Fiscal Year	FY 2024 & Prior	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
D25	Bay Street Extension - North of US 30 to Industry Street Extension	Transportation	Long-Term Phase 1 Likely Funded Plan	\$293,000	No	100.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P7	Bond Street Sidewalk Infill – Hume Ave. to West of 2 nd St. (This project has been completed for the north side of Bond St., however it cannot be completed on the south side due impacts from the 1st and Commercial slide.)	Transportation	Long-Term Phase 1 Likely Funded Plan	\$195,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D24	Industry Street Extension - Basin Street to Bay Street Extension	Transportation	Long-Term Phase 1 Likely Funded Plan	\$1,057,000	No	100.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D10	US 30/Liberty Lane Safety Enhancement	Transportation	Long-Term Phase 2 Aspirational Plan	\$362,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D26	Williamsport Road/ James Street Realignment	Transportation	Long-Term Phase 2 Aspirational Plan	\$270,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D29	Maritime Road Extension - Old US Highway 30 to Railroad	Transportation	Long-Term Phase 2 Aspirational Plan	\$876,000	No	100.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D32	OR 202 Safety Enhancement - OR 202 from 8th Street to SE 2nd Street	Transportation	Long-Term Phase 2 Aspirational Plan	\$592,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D36	Tongue Point Road Upgrade - Old US Highway 30 to Pier Street	Transportation	Long-Term Phase 2 Aspirational Plan	\$1,119,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D37	54th Street-Old US Highway 30 Upgrade - US 30 to Tongue Point Road	Transportation	Long-Term Phase 2 Aspirational Plan	\$2,328,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D38	Maritime Road-Old US Highway 30 Upgrade - Tongue Point Road to US 30	Transportation	Long-Term Phase 2 Aspirational Plan	\$893,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D5	Downtown Traffic Signal Upgrade (This project was partially completed with the addition of new signal backplates, enforcement lights, and countdown pedestrian signals. I don't believe it included communication upgrades.)	Transportation	Long-Term Phase 2 Aspirational Plan	\$1,492,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D8	US 30/54th Street Safety Enhancement	Transportation	Long-Term Phase 2 Aspirational Plan	\$297,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D9	US 30/Nimitz-Maritime Road Safety Enhancement	Transportation	Long-Term Phase 2 Aspirational Plan	\$242,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P21	S Denver Street Community Based Solution - Clatsop Avenue to Glasgow Avenue	Transportation	Long-Term Phase 2 Aspirational Plan	\$49,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P27a	W Marine Drive Sidewalk Infill – Florence Ave. to 4 th St. – Complete Sidewalk gaps on N. side of street. (This project is currently funded by ODOT and in the final design stage prior to bidding. Construction is anticipated to be completed by Fall 2024.)	Transportation	Long-Term Phase 2 Aspirational Plan	\$3,700,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P29	W Niagara Avenue Community Based Solution - W Clatsop Avenue to Sonora Avenue	Transportation	Long-Term Phase 2 Aspirational Plan	\$191,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D11	OR 202/US 101 Business Safety Enhancement	Transportation	Long-Term Phase 3 Aspirational Plan	\$5,291,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D19	US 101/Hamburg Avenue Capacity Enhancement	Transportation	Long-Term Phase 3 Aspirational Plan	\$26,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D20	US 30/16th Street Capacity Enhancement	Transportation	Long-Term Phase 3 Aspirational Plan	\$319,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D27	Log Bronc Way Extension - 30th Street to 32nd Street	Transportation	Long-Term Phase 3 Aspirational Plan	\$977,000	No	100.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D28	Abbey Lane Extension - 36th Street to 39th Street	Transportation	Long-Term Phase 3 Aspirational Plan	\$974,000	No	100.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D33	US 101 Business Capacity Enhancement – OR 202 south to Miles Crossing	Transportation	Long-Term Phase 3 Aspirational Plan	\$5,470,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D34	Portway Street Capacity Enhancement - Portway Street from US 101 to Industry Street	Transportation	Long-Term Phase 3 Aspirational Plan	\$424,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D35	Bay Street Upgrade - US 30 to northern terminus	Transportation	Long-Term Phase 3 Aspirational Plan	\$68,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D7	US 30/45th Street Safety Enhancement	Transportation	Long-Term Phase 3 Aspirational Plan	\$323,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P19	Olney Avenue Sidewalk Infill - 4th Street to 7th Street	Transportation	Long-Term Phase 3 Aspirational Plan	\$2,315,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P2	16th Street Sidewalk Infill - Niagara Avenue to Williamsport Road	Transportation	Long-Term Phase 3 Aspirational Plan	\$130,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P22	Sonora Avenue Community Based Solution - W Lexington Avenue to W Niagara Avenue	Transportation	Long-Term Phase 3 Aspirational Plan	\$25,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
T2	OR 202/US 101 Business Transit Pullout	Transportation	Long-Term Phase 3 Aspirational Plan	\$75,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D13	OR 202/Williamsport Road Safety Enhancement	Transportation	Long-Term Phase 4 Aspirational Plan	\$117,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D16	Niagara Avenue/7 th Street Safety Enhancement	Transportation	Long-Term Phase 4 Aspirational Plan	\$238,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

APPENDIX A: CIP Projects List

Plan Project No.	Capital Improvement Project	Class	Priority	Total Project Cost	Funded Yes/No	SDC Eligibility	Fiscal Year	FY 2024 & Prior	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
D17	Niagara Avenue/8 th Street Safety Enhancement	Transportation	Long-Term Phase 4 Aspirational Plan	\$238,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D30	Irving Avenue Extension - 38th Street to Nimitz Drive- Spruance Road	Transportation	Long-Term Phase 4 Aspirational Plan	\$6,941,000	No	100.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D31	US 30 Safety Enhancement - US 30 from 27th Street to Franklin Avenue	Transportation	Long-Term Phase 4 Aspirational Plan	\$267,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D4	US 30 Speed Warning System - US 30 east of 50th Street	Transportation	Long-Term Phase 4 Aspirational Plan	\$25,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D6	US 30/Exchange Street/23rd Street Safety Enhancement	Transportation	Long-Term Phase 4 Aspirational Plan	\$1,547,000	No	12.10%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P10	Grand Avenue Sidewalk Infill - W Lexington Avenue to 2nd Street	Transportation	Long-Term Phase 4 Aspirational Plan	\$44,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P12	Irving Avenue Community Based Solution - 13th Street to 35th Street	Transportation	Long-Term Phase 4 Aspirational Plan	\$829,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P13	Leif Erickson Drive (West) Sidewalk Infill - 38th Street to 500' west of 43rd Street	Transportation	Long-Term Phase 4 Aspirational Plan	\$265,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P14	Leif Erickson Drive (East) Sidewalk Infill - 46th Street to 54th Street	Transportation	Long-Term Phase 4 Aspirational Plan	\$488,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P24	W Grand Avenue Community Based Solution - W Lexington Avenue to 2 nd Street	Transportation	Long-Term Phase 4 Aspirational Plan	\$136,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P25	W Lexington Avenue Community Based Solution - Alameda Avenue to 2 nd Street	Transportation	Long-Term Phase 4 Aspirational Plan	\$195,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P27b	W Marine Drive Sidewalk Infill - Florence Avenue to 4 th Street – Complete sidewalks on S side of street	Transportation	Long-Term Phase 4 Aspirational Plan	\$1,000,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P3	1st Street Sidewalk Infill - W Lexington Avenue to 2 nd Street	Transportation	Long-Term Phase 4 Aspirational Plan	\$54,000	No	0.00%	Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P30	Williamsport Road Sidewalk Infill - 16th Street to SE Front Street	Transportation	Long-Term Phase 4 Aspirational Plan	\$1,724,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P4	2nd Street Sidewalk Infill - Grand Avenue to Franklin Avenue	Transportation	Long-Term Phase 4 Aspirational Plan	\$49,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
P6	Alameda Avenue Community Based Solution - West of Melbourne Avenue to Grand Avenue	Transportation	Long-Term Phase 4 Aspirational Plan	\$23,000	No	0.00%	Not Scheduled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

	Funded Projects	Unfunded Projects	Total
Water	\$1,894,662	\$92,168,000	\$94,062,662
Wastewater	\$13,539,232	\$59,525,000	\$73,064,232
Storm	\$0	\$10,550,000	\$10,550,000
Transportation	\$500,000	\$67,640,400	\$68,140,400
Grand Total	\$15,933,894	\$229,883,400	\$245,817,294

City of Astoria Public Works Department
Asset Inventory

Category	Sub-category	Asset	Sub-asset	Features	Unit	Quantity	Unit Cost	Value	Year Built	Age	Annual Maint.	Notes
Water	Watershed	Property			Acres	3,700	\$1,500	\$5,550,000				Property Value from County Assessor Estimate
Water	Watershed	Roads			Miles	27	\$100,000	\$2,720,000	varies	varies	\$40,000.00	
Water	Watershed	Timber			Acres	3,700	\$10,811	\$40,000,001		varies		\$20-30 million in 1999 OSU Watershed Evaluation (\$33-49 in 2021) Used average of \$40 million
Water	Watershed	Security System			LS	1	\$10,000	\$50,000				
Water	Watershed	Reservoirs (Raw Water)	Main Lake	Water Rights								
Water	Watershed	Reservoirs (Raw Water)	Bear Creek	Water Rights								
Water	Watershed	Reservoirs (Raw Water)	Cedar Creek	Water Rights								
Water	Watershed	Reservoirs (Raw Water)	Youngs River	Water Rights								
Water	Watershed	Reservoirs (Raw Water)	Big Creek	Water Rights								
Water	Watershed	Diversions Structures			Each	3	\$500,000	\$1,500,000				
Water	Watershed	Reservoirs (Raw Water)	Wickiup Lake		Each	1	\$10,000,000	\$10,000,000	1928	96		100 MG
Water	Watershed	Reservoirs (Raw Water)	Wickiup Lake	Outlet Structure	Each	1	\$100,000	\$100,000				
Water	Watershed	Reservoirs (Raw Water)	Middle Lake		Each	1	\$15,000,000	\$15,000,000	1928	96		
Water	Watershed	Reservoirs (Raw Water)	Middle Lake	Intake & Piping	LS	1	\$100,000	\$100,000				
Water	Watershed	Reservoirs (Raw Water)	Middle Lake	12-inch pipe	LF	10,000	\$160	\$1,600,000				
Water	Watershed	Reservoirs (Raw Water)	Middle Lake	Spur 14 Conveyance	LS	1	\$350,000	\$350,000				
Water	Watershed	Reservoirs (Raw Water)	Middle Lake	Valving	LS	1	\$150,000	\$150,000				
Water	Watershed	Reservoirs (Raw Water)	Middle Lake	Meters	Each	3	\$3,500	\$10,500				
Water	Watershed	Reservoirs (Raw Water)	Middle Lake	PRV	Each	3	\$200,000	\$600,000				
Water	Watershed	Reservoirs (Raw Water)	Middle Lake	Solar Bee	Each	1	\$20,000	\$20,000				52 MG
Water	Watershed	Reservoirs (Raw Water)	Main lake		Each	1	\$30,000,000	\$30,000,000				200 MG
Water	Watershed	Reservoirs (Raw Water)	Main lake	Concrete Dam	Each	1	\$50,000,000	\$50,000,000	1911	113		WRD - EAP & Annual Power Claim Statement \$50/yr & Insp Fee
Water	Watershed	Reservoirs (Raw Water)	Main lake	Barrel Gate	Each	1	\$50,000	\$50,000				Need O&M Plan
Water	Watershed	Reservoirs (Raw Water)	Main lake	Valving	LS	1	\$300,000	\$300,000				
Water	Watershed	Reservoirs (Raw Water)	Main lake	Spillway Apron	Each	1	\$50,000	\$50,000				
Water	Watershed	Reservoirs (Raw Water)	Main lake	Pumps	Each	2	\$50,000	\$100,000				
Water	Watershed	Slow Sand Filter System	SSF #1		Each	1	\$3,000,000	\$3,000,000	1993	31		Resanding at 5-6 year interval
Water	Watershed	Slow Sand Filter System	SSF #2		Each	1	\$3,000,000	\$3,000,000	1993	31		Resanding at 5-6 year interval
Water	Watershed	Slow Sand Filter System	SSF #3		Each	1	\$3,000,000	\$3,000,000	1993	31		Resanding at 5-6 year interval
Water	Watershed	Slow Sand Filter System	SSF #4		Each	1	\$4,000,000	\$4,000,000	1996	28		Resanding at 5-6 year interval
Water	Watershed	Slow Sand Filter System	Cleaning Equip		Each	1	\$750,000	\$750,000				
Water	Watershed	Residence			LS	1	\$300,000	\$300,000				
Water	Watershed	Building	Lab and Shop		LS	1	\$750,000	\$750,000				State Reporting of hazardous substance per ERP
Water	Watershed	Generators			Each	2	\$50,000	\$100,000				80 kW and 35 kW
Water	Watershed	Instrumentation			LS	1	\$200,000	\$200,000				
Water	Watershed	Hydropower System			LS	1	\$400,000	\$400,000				30 kW
Water	Watershed	CT Structure			LS	1	\$200,000	\$200,000				
Water	Transmission Main	Pipeline			Feet	63,360	\$650	\$41,184,000				
Water	Transmission Main	Air Vacs			Each	41	\$5,000	\$205,000				
Water	Transmission Main	Gate Valves			Each	11	\$10,000	\$110,000				
Water	Transmission Main	Blow Off			Each	9	\$4,000	\$36,000				
Water	Reservoir #3	Reservoir			Each	1	\$40,000,000	\$40,000,000	1917	107		20 MG (\$1 per gal estimated cost)
Water	Reservoir #3	Residence			Each	1	\$300,000	\$300,000				
Water	Reservoir #3	Building			LS	1	\$900,000	\$900,000	1919	105		
Water	Reservoir #3	Chain Link Fence			Feet	1,600	\$15	\$24,000				
Water	Reservoir #3	Cover & Liner			Each	1	\$2,000,000	\$2,000,000				
Water	Reservoir #3	Pumps			Each	8	\$20,000	\$160,000				
Water	Reservoir #3	Generators			Each	2	\$30,000	\$60,000				7 kW
Water	Reservoir #3	Meter	21-inch		Each	2	\$50,000	\$100,000				
Water	Reservoir #3	Meter	18-inch		Each	1	\$40,000	\$40,000				
Water	Reservoir #3	Meter	10-inch		Each	2	\$12,000	\$24,000				
Water	Reservoir #3	Well			Each	1	\$1,000,000	\$1,000,000				63,000 gallons
Water	Reservoir #2	Reservoir			LS	1	\$11,000,000	\$11,000,000	1895	129		5.5 MG (\$2 per gallon estimated cost)
Water	Reservoir #2	Building			Each	1	\$1,200,000	\$1,200,000	1895	129		
Water	Reservoir #2	Chain Link Fence			Feet	1,025	\$15	\$15,375				
Water	Reservoir #2	Cover & Liner			Each	1	\$2,000,000	\$2,000,000	2012	12		
Water	Reservoir #2	Pumps			Each	4	\$2,000	\$8,000				
Water	Reservoir #2	Generator			Each	1	\$30,000	\$30,000				15 kW
Water	Reservoir #2	Meter	18-inch		Each	1	\$50,000	\$50,000				
Water	Reservoir #2	Meter	12-inch		Each	1	\$20,000	\$20,000				
Water	Reservoir #2	Meter	8-inch		Each	1	\$10,000	\$10,000				
Water	Reservoir #2	Well			LS	1	\$500,000	\$500,000				6,000 gallons
Water	Reservoir #2	Instrumentation			LS	1	\$50,000	\$50,000				
Water	East Astoria Tanks	Tanks			Each	2	\$1,000,000	\$2,000,000	1999	25		150,000 gallons each
Water	East Astoria Tanks	Valving			LS	1	\$20,000	\$20,000	1999	25		
Water	East Astoria Tanks	Instrumentation			LS	1	\$50,000	\$50,000	1999	25		

City of Astoria Public Works Department
Asset Inventory

Category	Sub-category	Asset	Sub-asset	Features	Unit	Quantity	Unit Cost	Value	Year Built	Age	Annual Maint.	Notes
Water	Skyline Tank	Tank			Each	1	\$2,000,000	\$2,000,000	2006	18		131,000 gallons
Water	Skyline Tank	Building			Each	1	\$200,000	\$200,000	2006	18		
Water	Skyline Tank	Generator			Each	1	\$20,000	\$20,000	2006	18		20 kW
Water	Skyline Tank	Pumps			Each	3	\$30,000	\$90,000	2006	18		
Water	Skyline Tank	Instrumentation			LS	1	\$20,000	\$20,000				
Water	Pump Station	11th & Niagara PS		1.5 HP PUMPS	LS	1	\$100,000	\$100,000				
Water	Pump Station	14th & Madison PS		5 HP PUMPS	LS	1	\$100,000	\$100,000				
Water	Pump Station	Column PS		2 HP PUMPS	LS	1	\$100,000	\$100,000				
Water	Distribution System	Res 2 Tunnel	18-inch		LS	1	\$20,000,000	\$20,000,000	Various			
Water	Distribution System	Res 3 Tunnel	18-inch		LS	1	\$30,000,000	\$30,000,000	Various			
Water	Distribution System	Water Main	24-inch		LF	143	\$370	\$52,910	Various			
Water	Distribution System	Water Main	22-inch		LF	90	\$330	\$29,700	Various			
Water	Distribution System	Water Main	21-inch		LF	12,096	\$300	\$3,628,800	Various			
Water	Distribution System	Water Main	18-inch		LF	9,788	\$250	\$2,447,000	Various			
Water	Distribution System	Water Main	16-inch		LF	256	\$240	\$61,440	Various			
Water	Distribution System	Water Main	14-inch		LF	7,170	\$230	\$1,649,100	Various			
Water	Distribution System	Water Main	12-inch		LF	68,765	\$210	\$14,440,650	Various			
Water	Distribution System	Water Main	10-inch		LF	27,419	\$180	\$4,935,420	Various			
Water	Distribution System	Water Main	8-inch		LF	67,191	\$170	\$11,422,470	Various			
Water	Distribution System	Water Main	6-inch		LF	124,098	\$160	\$19,855,680	Various			
Water	Distribution System	Water Main	4-inch		LF	26,985	\$150	\$4,047,750	Various			
Water	Distribution System	Water Main	3-inch		LF	2,010	\$140	\$281,400	Various			
Water	Distribution System	Water Main	2-inch		LF	51,252	\$130	\$6,662,760	Various			
Water	Distribution System	Fire Hydrants			Each	448	\$5,000	\$2,240,000	Various			
Water	Distribution System	Water Meters	5/8 x 3/4 inch		Each	3,597	\$7,000	\$25,179,000	Various			
Water	Distribution System	Water Meters	Sprinkler		Each	17	\$7,000	\$119,000	Various			
Water	Distribution System	Water Meters	1 inch		Each	241	\$7,000	\$1,687,000	Various			
Water	Distribution System	Water Meters	1.5 inch		Each	53	\$10,000	\$530,000	Various			
Water	Distribution System	Water Meters	2 inch		Each	101	\$10,000	\$1,010,000	Various			
Water	Distribution System	Water Meters	3 inch		Each	25	\$15,000	\$375,000	Various			
Water	Distribution System	Water Meters	4 inch		Each	14	\$15,000	\$210,000	Various			
Water	Distribution System	Water Meters	6 inch		Each	10	\$30,000	\$300,000	Various			
Water	Distribution System	Water Meters	8 inch		Each	4	\$30,000	\$120,000	Various			
Water	Distribution System	Water Meters	10 inch		Each	1	\$50,000	\$50,000	Various			
Water	Distribution System	Sample Stations			Each	22	\$2,000	\$44,000	Various			
Water	Distribution System	Gate Valves	18-inch		Each	8	\$8,000	\$64,000	Various			Total gate valves, all sizes: 2,746
Water	Distribution System	Gate Valves	14-inch		Each	6	\$5,600	\$33,600	Various			
Water	Distribution System	Gate Valves	12-inch		Each	218	\$4,600	\$1,002,800	Various			
Water	Distribution System	Gate Valves	10-inch		Each	126	\$4,000	\$504,000	Various			
Water	Distribution System	Gate Valves	8-inch		Each	351	\$2,600	\$912,600	Various			
Water	Distribution System	Gate Valves	6-inch		Each	1,107	\$1,600	\$1,771,200	Various			
Water	Distribution System	Gate Valves	4-inch		Each	217	\$1,400	\$303,800	Various			
Water	Distribution System	Gate Valves	2-inch		Each	456	\$1,200	\$547,200	Various			
Water	Distribution System	PRV	12-inch		Each	2	\$350,000	\$700,000	Various			
Water	Distribution System	PRV	10-inch		Each	4	\$250,000	\$1,000,000	Various			
Water	Distribution System	PRV	8-inch		Each	3	\$250,000	\$750,000	Various			
Water	Distribution System	PRV	6-inch		Each	3	\$150,000	\$450,000	Various			
Water	Distribution System	PRV	4-inch		Each	1	\$50,000	\$50,000	Various			
Water	Distribution System	PRV	3-inch		Each	6	\$50,000	\$300,000	Various			
Water	Distribution System	PRV	2-inch		Each	12	\$25,000	\$300,000	Various			
Water	Distribution System	PRV	1-inch		Each	3	\$25,000	\$75,000	Various			
Water	Distribution System	Back Flow Preventers			Each	75	\$1,500	\$112,500	Various			Average Cost (\$200-\$3,000)
Water	Distribution System	Blow Off			Each	200	\$4,000	\$800,000	Various			
Water	Distribution System	Flushers			Each	5	\$5,500	\$27,500	Various			
								\$440,760,156				
Sewer	WWTP	Lagoon 1		21 MG	Each	1	\$10,000,000	\$10,000,000	1974	50		NPDES Permit for Entire Plant
Sewer	WWTP	Lagoon 2		18 MG	Each	1	\$10,000,000	\$10,000,000	1974	50		
Sewer	WWTP	Lagoon 3		19.2 MG	Each	1	\$10,000,000	\$10,000,000	1974	50		
Sewer	WWTP	Aerators			Each	9	\$200,000	\$1,800,000	2002	22		6 aerators replaced in 2002
Sewer	WWTP	Chlorine contact chamber			Each	1	\$400,000	\$400,000	2013	11		originally built in 1974
Sewer	WWTP	Dechlor Building	Generator		Each	1	\$45,000	\$45,000	2013	11		
Sewer	WWTP	Dechlor Building	Building		Each	1	\$300,000	\$300,000	2013	11		
Sewer	WWTP	Dechlor Building	Instrumentation/Chem Feed		Each	1	\$500,000	\$500,000	2013	11		
Sewer	WWTP	Dechlor Building	Tanks	3150 gallons	Each	2	\$100,000	\$200,000	2013	11		

City of Astoria Public Works Department
Asset Inventory

Category	Sub-category	Asset	Sub-asset	Features	Unit	Quantity	Unit Cost	Value	Year Built	Age	Annual Maint.	Notes
Sewer	WWTP	Admin/Lab Building	Instrumentation		LS	1	\$50,000	\$50,000				
Sewer	WWTP	Admin/Lab Building	Generator	20 kW	Each	1	\$15,000	\$15,000				
Sewer	WWTP	Admin/Lab Building	Building		Each	1	\$350,000	\$350,000				
Sewer	WWTP	Chlorine 1 ton cylinder			Each	8	\$2,000	\$16,000				
Sewer	WWTP	Chlorinators			Each	2	\$30,000	\$60,000				
Sewer	WWTP	Influent structure			Each	1	\$30,000	\$30,000	1974	50		
Sewer	WWTP	Effluent flow meter			Each	1	\$10,000	\$10,000				
Sewer	WWTP	Fence		chain link	LF	4,550	\$15	\$68,250				
Sewer	WWTP	Conex Storage Building			Each	1	\$15,000	\$15,000				
Sewer	WWTP	Outfall			Each	1	\$10,000,000	\$10,000,000				
Sewer	Pump/Lift Station	PS #1	Building		Each	1	\$2,000,000	\$2,000,000	1974	50		
Sewer	Pump/Lift Station	PS #1	Pumps		Each	3	\$120,000	\$360,000	1974	50		
Sewer	Pump/Lift Station	PS #1	Motors	125 HP	Each	3	\$100,000	\$300,000	2017	7		
Sewer	Pump/Lift Station	PS #1	Instrumentation		LS	1	\$100,000	\$100,000	2017	7		
Sewer	Pump/Lift Station	PS #1	Generator	300 kW	Each	1	\$200,000	\$200,000	2007	17		Need to load test every 3 years
Sewer	Pump/Lift Station	PS #1	Comminutor		Each	1	\$150,000	\$150,000	2009	15		
Sewer	Pump/Lift Station	PS #1	Wet Well		LS	1	\$1,000,000	\$1,000,000	1974	50		
Sewer	Pump/Lift Station	LS #3	Building		Each	1	\$200,000	\$200,000	1974	50		
Sewer	Pump/Lift Station	LS #3	Screw Lift		Each	2	\$175,000	\$350,000	1974	50		
Sewer	Pump/Lift Station	LS #3	Motors	50 HP	Each	2	\$25,000	\$50,000				
Sewer	Pump/Lift Station	LS #3	Instrumentation		LS	1	\$10,000	\$10,000				
Sewer	Pump/Lift Station	LS #3	Generator	125 kW	Each	1	\$100,000	\$100,000	2007	17		Need to load test every 3 years
Sewer	Pump/Lift Station	LS #3	Wet Well		LS	1	\$1,500,000	\$1,500,000				
Sewer	Pump/Lift Station	LS #4	Building		Each	1	\$200,000	\$200,000	1974	50		
Sewer	Pump/Lift Station	LS #4	Screw Lift		Each	2	\$150,000	\$300,000				
Sewer	Pump/Lift Station	LS #4	Motors	20 HP	Each	2	\$25,000	\$50,000				
Sewer	Pump/Lift Station	LS #4	Instrumentation		LS	1	\$10,000	\$10,000				
Sewer	Pump/Lift Station	LS #4	Generator	40 kW	Each	1	\$20,000	\$20,000	2007	17		Need to load test every 3 years
Sewer	Pump/Lift Station	LS #4	Wet Well		LS	1	\$1,000,000	\$1,000,000				
Sewer	Pump/Lift Station	LS #5	Building		Each	1	\$200,000	\$200,000	1974	50		
Sewer	Pump/Lift Station	LS #5	Screw Lift		Each	2	\$150,000	\$300,000				
Sewer	Pump/Lift Station	LS #5	Motors	20 HP	Each	2	\$25,000	\$50,000				
Sewer	Pump/Lift Station	LS #5	Instrumentation		LS	1	\$10,000	\$10,000				
Sewer	Pump/Lift Station	LS #5	Generator	40 kW	Each	1	\$20,000	\$20,000	2007	17		Need to load test every 3 years
Sewer	Pump/Lift Station	LS #5	Wet Well		LS	1	\$1,000,000	\$1,000,000				
Sewer	Pump/Lift Station	PS #6	Pumps		Each	2	\$30,000	\$60,000				
Sewer	Pump/Lift Station	PS #6	Motors	20 HP	Each	2	\$10,000	\$20,000				
Sewer	Pump/Lift Station	PS #6	Instrumentation		LS	1	\$10,000	\$10,000				
Sewer	Pump/Lift Station	PS #6	Generator	60 kW	Each	1	\$50,000	\$50,000	2007	17		Need to load test every 3 years
Sewer	Pump/Lift Station	PS #6	Dry Well		LS	1	\$1,000,000	\$1,000,000				
Sewer	Pump/Lift Station	PS #6	Wet Well		LS	1	\$200,000	\$200,000				
Sewer	Pump/Lift Station	Mill Pond PS	Pumps		Each	2	\$10,000	\$20,000	2002	22		
Sewer	Pump/Lift Station	Mill Pond PS	Motors	5 HP	Each	2	\$5,000	\$10,000	2002	22		
Sewer	Pump/Lift Station	Mill Pond PS	Instrumentation		LS	1	\$10,000	\$10,000	2002	22		
Sewer	Pump/Lift Station	Mill Pond PS	Dry Well		LS	1	\$50,000	\$50,000	2002	22		
Sewer	Pump/Lift Station	Mill Pond PS	Wet Well		LS	1	\$50,000	\$50,000	2002	22		
Sewer	Pump/Lift Station	Ash St PS	Submersible Pumps		Each	2	\$10,000	\$20,000	1991	33		
Sewer	Pump/Lift Station	Ash St PS	Motors	5 HP	Each	2	\$5,000	\$10,000	1991	33		
Sewer	Pump/Lift Station	Ash St PS	Instrumentation		LS	1	\$10,000	\$10,000	1991	33		
Sewer	Pump/Lift Station	Ash St PS	Dry Well		LS	1	\$50,000	\$50,000	1991	33		
Sewer	Pump/Lift Station	Ash St PS	Wet Well		LS	1	\$50,000	\$50,000	1991	33		
Sewer	Pump/Lift Station	Birch & 52nd St PS	Submersible Pumps		Each	2	\$3,500	\$7,000	1991	33		
Sewer	Pump/Lift Station	Birch & 52nd St PS	Motors	2 HP	Each	2	\$1,500	\$3,000	1991	33		
Sewer	Pump/Lift Station	Birch & 52nd St PS	Instrumentation		LS	1	\$5,000	\$5,000	1991	33		
Sewer	Pump/Lift Station	Birch & 52nd St PS	Wet Well		LS	1	\$10,000	\$10,000	1991	33		
Sewer	Pump/Lift Station	Alder St PS	Submersible Pumps		Each	2	\$3,500	\$7,000	1991	33		
Sewer	Pump/Lift Station	Alder St PS	Motors	2 HP	Each	2	\$1,500	\$3,000	1991	33		
Sewer	Pump/Lift Station	Alder St PS	Instrumentation		LS	1	\$5,000	\$5,000	1991	33		
Sewer	Pump/Lift Station	Alder St PS	Wet Well		LS	1	\$10,000	\$10,000	1991	33		
Sewer	Pump/Lift Station	Yacht Club PS	Pumps		Each	2	\$10,000	\$20,000				
Sewer	Pump/Lift Station	Yacht Club PS	Motors	5 HP	Each	2	\$5,000	\$10,000				
Sewer	Pump/Lift Station	Yacht Club PS	Dry Well		LS	1	\$50,000	\$50,000				
Sewer	Pump/Lift Station	Yacht Club PS	Wet Well		LS	1	\$50,000	\$50,000				
Sewer	Collection System	Sewer Pipe	48-inch		LF	52	\$520	\$27,040	Various			
Sewer	Collection System	Sewer Pipe	45-inch		LF	875	\$500	\$437,500	Various			
Sewer	Collection System	Sewer Pipe	42-inch		LF	527	\$480	\$252,960	Various			

City of Astoria Public Works Department
Asset Inventory

Category	Sub-category	Asset	Sub-asset	Features	Unit	Quantity	Unit Cost	Value	Year Built	Age	Annual Maint.	Notes
Sewer	Collection System	Sewer Pipe	40-inch		LF	90	\$460	\$41,400	Various			
Sewer	Collection System	Sewer Pipe	36-inch		LF	2,579	\$440	\$1,134,760	Various			
Sewer	Collection System	Sewer Pipe	30-inch		LF	5,923	\$420	\$2,487,660	Various			
Sewer	Collection System	Sewer Pipe	22-inch		LF	3,602	\$400	\$1,440,800	Various			
Sewer	Collection System	Sewer Pipe	21-inch		LF	507	\$380	\$192,660	Various			
Sewer	Collection System	Sewer Pipe	20-inch		LF	2,379	\$360	\$856,440	Various			
Sewer	Collection System	Sewer Pipe	19-inch		LF	653	\$340	\$222,020	Various			
Sewer	Collection System	Sewer Pipe	18-inch		LF	78	\$320	\$24,960	Various			
Sewer	Collection System	Sewer Pipe	16-inch		LF	3,640	\$300	\$1,092,000	Various			
Sewer	Collection System	Sewer Pipe	15-inch		LF	8,089	\$280	\$2,264,920	Various			
Sewer	Collection System	Sewer Pipe	14-inch		LF	928	\$260	\$241,280	Various			
Sewer	Collection System	Sewer Pipe	12-inch		LF	38,330	\$240	\$9,199,200	Various			
Sewer	Collection System	Sewer Pipe	10-inch		LF	28,268	\$220	\$6,218,960	Various			
Sewer	Collection System	Sewer Pipe	8-inch		LF	126,362	\$200	\$25,272,400	Various			380,000 LF total sewer pipe (all sizes)
Sewer	Collection System	Sewer Pipe	6-inch		LF	18,116	\$180	\$3,260,880	Various			
Sewer	Collection System	Sewer Pipe	4-inch		LF	2,530	\$140	\$354,200	Various			
Sewer	Collection System	Sewer Pipe	unknown		LF	8,347	\$150	\$1,252,050	Various			
Sewer	Collection System	Interceptor	42-inch		LF	1,650	\$580	\$957,000	Various			
Sewer	Collection System	Interceptor	36-inch		LF	11,795	\$540	\$6,369,300	Various			
Sewer	Collection System	Interceptor	30-inch		LF	6,145	\$520	\$3,195,400	Various			
Sewer	Collection System	Interceptor	24-inch		LF	11,809	\$520	\$6,140,680	Various			
Sewer	Collection System	Interceptor	18-inch		LF	3,519	\$420	\$1,477,980	Various			
Sewer	Collection System	Interceptor	15-inch		LF	1,620	\$380	\$615,600	Various			
Sewer	Collection System	Interceptor	12-inch		LF	512	\$340	\$174,080	Various			
Sewer	Collection System	Interceptor	8-inch		LF	332	\$300	\$99,600	Various			
Sewer	Collection System	Manholes			Each	1,575	\$10,000	\$15,750,000	Various			
Sewer	Collection System	Force Main	30-inch	PS #1	LF	4,415	\$1,000	\$4,415,000	1974	50		
Sewer	Collection System	Force Main	10-inch	PS #6	LF	1,042	\$180	\$187,560				
Sewer	Collection System	Force Main	4-inch	Yacht Club	LF	200	\$150	\$30,000				
Sewer	Collection System	Force Main	4-inch	Mill Pond	LF	488	\$150	\$73,200	2002	22		
Sewer	Collection System	Force Main	3-inch	Ash St	LF	1,475	\$140	\$206,500	1991	33		
Sewer	Collection System	Force Main	3-inch	Alder St	LF	350	\$140	\$49,000	1991	33		
Sewer	Collection System	Diversion Structures			Each	42	\$50,000	\$2,100,000	1974	50		
Sewer	Collection System	Outfalls			Each	38	\$750,000	\$28,500,000				
Sewer	Collection System	Cleanouts			Each	557	\$1,200	\$668,400				
Sewer	Overflow Structures	PS #1	45th and Birch	fish lips	Each	1	\$15,000	\$15,000				
Sewer	Overflow Structures	LS #3	20th St	tide gate	Each	1	\$15,000	\$15,000				
Sewer	Overflow Structures	LS #4	Columbia & W Marine	tide gate	Each	1	\$15,000	\$15,000				
Sewer	Overflow Structures	LS #5	Florence & W Marine	tide gate	Each	1	\$15,000	\$15,000				
								\$182,482,640				
Storm												DEQ Annual Report due 9/1 & 9 Minimum Controls Annual Repot Due 7/1, & ASFO CSO Outfalls
Storm	Storage Facility	Smith Point Storage	Storage pipe	live rats	Each	1	\$3,000,000	\$3,000,000	2003	21		
Storm	Storage Facility	Smith Point Storage	Gates		Each	2	\$0	\$0	2003	21		
Storm	Storage Facility	Smith Point Storage	Instrumentation		LS	1	\$0	\$0				
Storm	Storage Facility	Smith Point Storage	Control structure		LS	1	\$0	\$0				
Storm	Storage Facility	Smith Point Storage	Flush Tank		LS	1	\$0	\$0				
Storm	Storage Facility	Smith Point Storage	Controls		LS	1	\$0	\$0				
Storm	Storage Facility	Denver Storage	Storage tank	1,000,000 G	Each	1	\$3,700,000	\$3,700,000	2011	13		
Storm	Storage Facility	Denver Storage	Odor Control Building		Each	1	\$1,400,000	\$1,400,000	2011	13		
Storm	Storage Facility	Denver Storage	Generator	40 kW	Each	1	\$0	\$0	2011	13		
Storm	Storage Facility	Denver Storage	Control structure		Each	1	\$0	\$0	2011	13		
Storm	Storage Facility	Denver Storage	Instrumentation		LS	1	\$0	\$0				
Storm	Storage Facility	Denver Storage	Flush Tank		LS	1	\$0	\$0				
Storm	Storage Facility	Denver Storage	Controls		LS	1	\$0	\$0				
Storm	Collection System	Storm Pipe	48-inch		LF	856	\$480	\$410,880	Various			
Storm	Collection System	Storm Pipe	45-inch		LF	186	\$460	\$85,560	Various			
Storm	Collection System	Storm Pipe	44-inch		LF	896	\$440	\$394,240	Various			
Storm	Collection System	Storm Pipe	36-inch		LF	2,124	\$420	\$892,080	Various			
Storm	Collection System	Storm Pipe	30-inch		LF	6,563	\$400	\$2,625,200	Various			
Storm	Collection System	Storm Pipe	27-inch		LF	203	\$380	\$77,140	Various			
Storm	Collection System	Storm Pipe	24-inch		LF	4,180	\$360	\$1,504,800	Various			
Storm	Collection System	Storm Pipe	21-inch		LF	2,886	\$340	\$981,240	Various			
Storm	Collection System	Storm Pipe	20-inch		LF	243	\$320	\$77,760	Various			
Storm	Collection System	Storm Pipe	18-inch		LF	14,057	\$300	\$4,217,100	Various			

City of Astoria Public Works Department
Asset Inventory

Category	Sub-category	Asset	Sub-asset	Features	Unit	Quantity	Unit Cost	Value	Year Built	Age	Annual Maint.	Notes
Storm	Collection System	Storm Pipe	16-inch		LF	1,390	\$280	\$389,200	Various			
Storm	Collection System	Storm Pipe	15-inch		LF	4,424	\$260	\$1,150,240	Various			
Storm	Collection System	Storm Pipe	14-inch		LF	111	\$240	\$26,640	Various			
Storm	Collection System	Storm Pipe	13-inch		LF	257	\$220	\$56,540	Various			
Storm	Collection System	Storm Pipe	12-inch		LF	42,021	\$200	\$8,404,200	Various			
Storm	Collection System	Storm Pipe	10-inch		LF	5,432	\$180	\$977,760	Various			
Storm	Collection System	Storm Pipe	8-inch		LF	19,509	\$160	\$3,121,440	Various			
Storm	Collection System	Storm Pipe	6-inch		LF	8,214	\$150	\$1,232,100	Various			
Storm	Collection System	Storm Pipe	4-inch		LF	1,881	\$140	\$263,340	Various			
Storm	Collection System	Storm Pipe	3-inch		LF	12	\$130	\$1,560	Various			
Storm	Collection System	Storm Pipe	2-inch		LF	40	\$120	\$4,800	Various			
Storm	Collection System	Storm Pipe	unknown		LF	79,326	\$150	\$11,898,900	Various			
Storm	Collection System	Manholes			Each	681	\$7,500	\$5,107,500	Various			
Storm	Collection System	Catch basins			Each	1,935	\$4,000	\$7,740,000	Various			
Storm	Collection System	Tide gates			Each	10	\$7,500	\$75,000	Various			
Storm	Collection System	Inlets			Each	124	\$5,000	\$620,000	Various			Grates/Flumes
Storm	Collection System	Cleanouts			Each	200	\$1,200	\$240,000	Various			
								\$60,675,220				
Transportation	Roadway	Streets & Curbs			SF	9,292,800	\$25	\$232,320,000	Various			ODOT Condition Report, MAP 21 Data Submittal
Transportation	Roadway	Striping and Legends			LS	1	\$5,000,000	\$5,000,000	Various			Paint and thermoplastic
Transportation	Roadway	Signs			Each	4,458	\$750	\$3,343,500	Various			From GIS, not listed as Status "Removed"
Transportation	Roadway	ADA Ramps			LS	1	\$10,000,000	\$10,000,000	Various			
Transportation	Roadway	Street Lights			Each	162	\$10,000	\$1,620,000	Various			
Transportation	Roadway	Guardrail			LF	5,000	\$100	\$500,000	Various			
Transportation	Roadway	Safety Railing			LF	3,000	\$100	\$300,000	Various			
Transportation	Chairwall System	Chairwall			LF	6,500	\$3,000	\$19,500,000	1923	101		
Transportation	Chairwall System	Tunnel			LF	2,500	\$4,000	\$10,000,000	1923	101		
Transportation	Bridges	Franklin Bridge			Each	1	\$9,000,000	\$9,000,000	2011	13		
Transportation	Bridges	Irving at 19th St Bridge			Each	1	\$11,000,000	\$11,000,000	2014	10		
Transportation	Bridges	Irving at 33rd St Bridge			Each	1	\$11,000,000	\$11,000,000	1951	73		
Transportation	Bridges	6th St Waterfront Bridge			Each	1	\$4,000,000	\$4,000,000	2020	4		
Transportation	Bridges	7th St Waterfront Bridge			Each	1	\$4,000,000	\$4,000,000	2020	4		
Transportation	Bridges	8th St Waterfront Bridge			Each	1	\$4,000,000	\$4,000,000	2020	4		
Transportation	Bridges	9th St Waterfront Bridge			Each	1	\$4,000,000	\$4,000,000	2020	4		
Transportation	Bridges	10th St Waterfront Bridge			Each	1	\$4,000,000	\$4,000,000	2020	4		
Transportation	Bridges	11th St Waterfront Bridge			Each	1	\$4,000,000	\$4,000,000	2020	4		
Transportation	Docks/Piers	17th St Dock			Each	1	\$11,000,000	\$11,000,000	2013	11		5 year inspection by Berget ABAM in January 2019
Transportation	Docks/Piers	6th Street Viewing Platform			Each	1	\$4,000,000	\$4,000,000				
Transportation	Trestles				Feet	4,343	\$4,000	\$17,372,000				
Transportation	Trolley Tracks				Miles	5	\$2,500,000	\$11,750,000				3.1 miles measured in GIS from Barn to 39th St., \$1-2 million per mile
Transportation	Shoreline Revetment				LS	1	\$15,000,000	\$15,000,000				
Transportation	Trails				LF	7,182	\$50	\$359,100				Rock, concrete, asphalt, steps, railings (7,182 ft. from GIS - Dispatch GeoComm data)
								\$397,064,600				
Sanitation	Rock Pit				LS	1	\$100,000	\$100,000				
Sanitation	Gas Control System				LS	1	\$1,000,000	\$1,000,000	2014	10		Liner included
Sanitation	Garbage Cans				Each	48	\$2,000	\$96,000	Various			31 Salmon and 17 Green Cans
								\$1,196,000				
Shops	Operation Shops Buildings				LS	1	\$2,000,000	\$2,000,000	1978	46		
Shops	Old Shop & Storage				LS	1	\$1,000,000	\$1,000,000	1940	84		
Shops	Garage D				LS	1	\$600,000	\$600,000	1940	84		
Shops	Garage F				LS	1	\$750,000	\$750,000	1978	46		
Shops	Pipe Barn				LS	1	\$400,000	\$400,000				
Shops	Vactor Barn (Garage E)				LS	1	\$400,000	\$400,000				
Shops	Fleet - Vehicles				LS	1	\$2,092,000	\$2,092,000	Various			Road legal (license plates)
Shops	Equipment				LS	1	\$1,060,000	\$1,060,000	2015	9		
Shops	Fuel Tanks				LS	1	\$1,000,000	\$1,000,000	2015	9		
Shops	Equipment				LS	1	\$2,000,000	\$2,000,000	Various			
								\$11,302,000				
								GRAND TOTAL				\$1,093,480,616