



Penrose Avenue



Park Street

Citizen Oversight and Review

The Infrastructure Improvement Committee (IIC) members have examined the City IRRP documents and found them to be in accordance with the mission of the IRRP. The IIC Committee, City Council, and City staff would like to thank the citizens of Walla Walla for their involvement, support, and contribution to revitalization of the City's infrastructure. For further information on the IRRP program, please visit us at www.wallawallawa.gov/government/public-works/programs.

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2021 Annual Progress Report Infrastructure Repair and Replacement Plan (IRRP)

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Introduction

The Infrastructure Repair and Replacement Plan (IRRP) has now completed its twelfth year of construction. For those unfamiliar with the IRRP, this program was established by City Council in April 2010 to provide a systematic approach to replace the City's three failing critical infrastructure systems: water, sewer, and streets. Of the 160 miles of failing infrastructure systems in the City, there are 43 miles where the water, sewer and streets are failing in the same locations. The IRRP is focused on replacing the infrastructure in these areas. The program is funded by utility revenues at an annual rate of approximately \$5,000,000 per year. This annual progress report summarizes the achievements and costs of the previous years' work.

Progress Summary (2010-2021)

Projects	Miles Completed	Miles Remaining	Average Miles Replaced Per Year
24	11.8	31.2	0.98

Infrastructure Replaced (2010-2021)

	2010-2019	2020	2021	TOTAL
Water Main Replaced (feet)	53,111	6,986	4,826	64,923
Sewer Main Replaced (feet)	47,652	4,489	4,683	56,824
Street Replaced (feet)	49,409	6,808	5,613	61,830
ADA Ramps Installed (each)	382	72	56	510

Program Funding

- \$38,923,991 spent to date on IRRP projects (2010-2021).
- In 2015, the IRRP Program paid back its initial startup bond.

2021 Projects

In this past year, the City completed the Penrose & Alvarado IRRP project and completed most of the Park Street IRRP (remaining portion to be completed in early 2022).

The table below provides a summary of costs for the 2021 IRRP program year.

	Projected IRRP Cost	Actual Cost	Difference
Park Street	\$3,650,000	\$3,622,030	\$27,970
Penrose & Alvarado	\$1,000,000	\$1,222,600	(\$222,600)

Gains in water loss achieved over past ten years	
2009	2021
Lost 1.2 billion gallons	Lost 0.462 billion gallons (62% reduction)

The table below lists the improvements made in 2021 with IRRP funds.

	Park Street	Penrose & Alvarado	Total
Water Main Replaced (feet)	3,952	874	4,826
Sewer Main Replaced (feet)	3,390	1,293	4,683
Street Replaced (feet)	4,109	1,504	5,613
ADA Ramps Installed (each)	38	18	56

2021 Quantitative Results

The 2021 IRRP projects replaced a total of 77 water services. Many of those were found to be leaking water when they were exposed during construction. During replacement of the sanitary sewer, inspection observed multiple areas of prolonged sewer leaks under the roadway. This was attributable to deteriorated pipes and joint separation. The elimination of both the water leaks and sewage exfiltration under the roadway will not only protect the roadway and soils underneath but will also reduce overall water loss. Along with the 4,683 linear feet of sewer main replaced, 73 sewer services were also replaced.

2022 Projects

In 2022, the IRRP Program will complete one project that currently has utility and roadway failures associated with them.

- Alder-Poplar, Merriam to Colville IRRP/TBD project is located around the Carnegie Arts Center and is a partnership project with the Transportation Benefit District (TBD). Total project cost is estimated at \$7,000,000.
- The Cookerly IRRP project, originally scheduled for 2022, has been postponed to 2023.

For additional information regarding these projects and other 2022 projects, please visit www.gowallawalla.us.