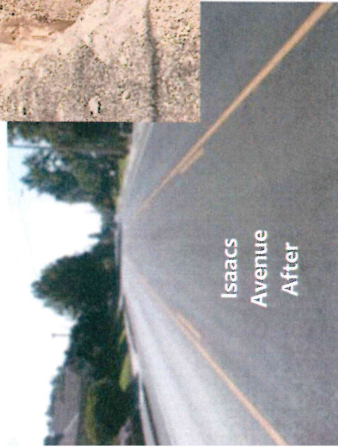
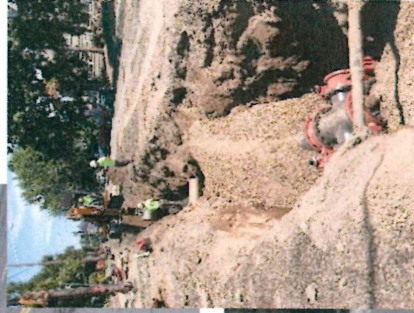




Isaacs Avenue
Before



Isaacs Avenue
After

Citizen Oversight and Review

The IRRP Committee members have examined the City IRRP documents and found them to be in accordance with the mission of the IRRP. The IRRP 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.wallawalla.gov/depts/publicworks/programs.

Respectfully submitted,

Paul Wemhoener

Dominick Elia

Kurt Othberg

Doug Simmons

Jim Barrow



15 N. 3rd Avenue
Walla Walla, WA 99362
509.527.4537
wallawalla.gov

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2017 Annual Progress Report Infrastructure Repair and Replacement Plan (IRRP)

Introduction

The Infrastructure Repair and Replacement Plan (IRRP) has now completed its eighth 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 (2010-2017)

Projects	Miles Completed	Miles Remaining	Average Miles Replaced Per Year
16	6.9	36.1	0.86

Infrastructure Replaced (2010-2017)

	2010-2015			2016	2017	TOTAL
Water Main Replaced (feet)	26,815	7,602	4,508	38,925		
Sewer Main Replaced (feet)	23,770	6,038	3,645	33,453		
Street Replaced (feet)	25,950	6,700	3,392	36,042		
ADA Ramps Installed (each)	244	47	52	343		

Program Funding

- \$21,610,845 spent to date on IRRP projects (2010-2017).
- In 2015, the IRRP Program paid back its initial start up bond.

2017 Projects

In this past year, the City completed the Isaacs Avenue Reconstruction Project from Park Street to Division Street.

The table below provides a summary of costs for the 2017 IRRP program year.

	Projected IRRP Cost	Actual Cost	Difference
Isaacs Ave. Reconstruction Project	\$2,750,000	\$2,235,143	\$514,857

Additional Funding for this project was provided by multiple funding sources including over \$3M from awarded state grants.

The table below lists the improvements made in 2017 with IRRP funds.

	Isaacs Ave. Reconstruction Project
Water Main Replaced (feet)	4,508
Sewer Main Replaced (feet)	3,645
Street Replaced (feet)	3,392
ADA Ramps Installed (each)	52

Denotes quantities installed utilizing IRRP funds. (continued on next column)

Total project quantities installed utilizing multiple funding sources: 5,020 feet new water main, 4,015 feet street replaced, and 66 ADA ramps.

2017 Quantitative Results

Prior to construction of the Isaacs Avenue Reconstruction Project, groundwater was known to be infiltrating the sewer main within the project limits. To quantify the amount of groundwater infiltration that was reduced with construction, pre-project and post construction flow in the sewer main was analyzed. The results of this analysis showed an estimated 198,000-gallon reduction in groundwater entering the sewer within the projects limits per day, which is approximately the average usage of 660 single family dwellings.

The 2017 IRRP project replaced a total of 44 water services. Many of those were found to be leaking water when they were exposed during construction. The elimination of these water leaks reduces future maintenance and treatment costs.

2018 Projects

In 2018, the IRRP Program will complete three projects that currently have water, sewer and street failures associated with them.

- The Wauna Vista - Crestview IRRP project has project limits that extend from Holbrooke Drive to Fern Avenue on Wauna Vista Drive and the entirety of Crestview Place. Total project cost is estimated at \$1,900,000.
- The Pine and Cherry IRRP project has project limits on Pine Street and Cherry Street from 13th to Irene, and on Irene and Bowman Street from Pine to Cherry. Total project cost is estimated at \$1,300,000.
- The Frazier IRRP project has limits on Frazier Drive from Mountain Park Drive to Hood Place and on Hood Place from Frazier Drive to its dead-end. Total project cost is estimated at \$1,400,000.

For additional information regarding these projects and other 2018 projects, please visit www.gowallawalla.us.