



2016 IRRP Annual Progress Report

Introduction

The Infrastructure Repair and Replacement Plan (IRRP) has now completed its seventh 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 \$5M per year. This annual progress report summarizes the achievements and costs of the previous years' work.

Progress Summary (2010-2016)

Projects	Miles Completed	Miles Remaining	Average Miles Replaced Per Year
15	6.2	36.8	0.88

Infrastructure Replaced (2010-2016)

	2010-2014	2015	2016	TOTAL
Water Main Replaced (feet)	22,895	3,920	7,602	34,417
Sewer Main Replaced (feet)	20,713	3,057	6,038	29,808
Street Replaced (feet)	22,175	3,775	6,700	32,650
ADA Ramps Installed (each)	211	33	47	291

Program Funding

- \$19,000,354 spent to date on IRRP projects (2010-2016).
- In 2015, the IRRP Program paid back its initial start up bond.

2016 Projects

In this past year, the City completed two IRRP projects which included:

- Alder Street – from Merriam Street to Roosevelt Street and;
- Chestnut Street – from Ninth Avenue to Second Avenue

The table below provides a summary of costs for the 2016 IRRP program year.

	Projected Cost	Actual Cost	Difference
Alder IRRP Project	\$4,202,000	\$3,572,718	(\$629,282)
Chestnut IRRP Project	\$2,336,000	\$2,023,060	(\$312,940)

The table below lists the improvements made in 2016 with IRRP funds.

	Alder IRRP Project	Chestnut IRRP Proje	Total
Water Main Replaced (feet)	4,492	3,110	7,602
Sewer Main Replaced (feet)	3,700	2,338	6,038
Street Replaced (feet)	3,690	3,010	6,700
ADA Ramps Installed (each)	30	17	47

2016 Quantitative Results

The 2016 IRRP projects replaced a total of 143 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 sewage 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 it will also reduce overall water loss. Along with the 6,038 linear feet of sewer main replaced, 154 sewer services were also replaced.

2017 Projects

In 2017, the IRRP Program will complete one large project that currently has utility and roadway failures associated with it.

- The Isaacs Avenue IRRP project has project limits that extend from Rose Street to Division Street. Total project cost is estimated at \$6,120,000. Funding for this project includes successful outside grant support from the State Transportation Improvement Board - \$2,375,000, Department of Ecology - \$330,000, internal funding from IRRP - \$2,950,000 and the Transportation Benefit District - \$465,000.

For additional information regarding this project and other 2017 projects, please visit www.gowallawalla.us.

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.wallawallawa.gov/depts/publicworks/programs.

Respectfully submitted,


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Infrastructure Improvement Committee



Alder Street Before



Alder Street After