



2014 IRRP Annual Progress Report

Introduction

The Infrastructure Repair and Replacement Plan (IRRP) has now completed its fifth 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 a six year stepped utility rate increase. This annual progress report summarizes the achievements and costs of the previous years' work.

Progress Summary (2010-2014)

Projects	Miles Completed	Miles Remaining	Average Miles Replaced Per Year
11	4.2	38.8	0.84

Infrastructure Replaced (2010-2014)

	2014	2013	2012	2011	2010	TOTAL
Water Main Replaced (feet)	4240	3,485	4,805	5,100	5,265	22,895
Sewer Main Replaced (feet)	3300	3,519	4,004	4,920	4,970	20,713
Street Replaced (feet)	3530	3,834	4,816	5,050	4,945	22,175
ADA Ramps Installed	8	29	26	93	55	211

Program Funding

- \$11,306,565 spent to date on IRRP projects (2010-2014).
- After the 2010 bond is paid back in 2015, the program will ramp up to approximately \$4.9 million in 2016 and beyond.

2014 Projects

In this past year, the City completed the Columbia IRRP project which included:

Columbia Street – from Howard Street to Center Street

Clay Street – from Howard Street to Hilbrooke Drive

Center Street – from Tietan Street to Stone Street

Hilbrooke Drive – from Clay Street to Wauna Vista Drive

The IRRP Program also financially participated in the Wilbur Avenue Improvement Project and the Spokane Street IRRP Project.

The table below provides a summary of costs for the 2014 IRRP program year.

	Projected Cost	Actual Cost	Difference
Columbia IRRP	\$1,531,750	\$1,528,295	\$3,455
Wilbur Avenue Project	\$180,539	\$126,536	\$54,003
Spokane Street IRRP	\$290,119	\$281,433	\$8,686

The table below lists the improvements made in 2014 with IRRP funds.

	Columbia IRRP	Wilbur Avenue Improvement Project	Spokane Street IRRP	Total
Water Main Replaced (feet)	3,480	352*	408	4240
Sewer Main Replaced (feet)	2,790	306*	204	3300
Street Replaced (feet)	2,785	400*	345	3530
ADA Ramps Installed	8	0*	0	8

*Denotes quantities installed utilizing IRRP funds.

Total project quantities installed utilizing multiple funding sources: 1025 feet new water main, 740 feet street replaced, and 18 ADA ramps.

2014 Quantitative Results

Prior to construction of the Columbia IRRP project, a groundwater infiltration study was performed in March 2013 to quantify the amount of groundwater entering the sewer main within the project limits. After project completion, the same study was performed in February 2015 to look at the effects of the project. The results of that analysis showed an estimated 150,000 gallon reduction in groundwater entering the sewer at that location per day, which is approximately the average daily usage of 500 single family dwellings.

The 2014 IRRP projects replaced a total of 71 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 water treatment costs.

2015 Projects

The Frankland IRRP project has the following project limits:

Frankland Street – from Bellevue Avenue to Blue Street;
Bellevue Avenue – from Waverly Street to Fairmont Street;
Waverly Street – from Bellevue Avenue to Withva Street;
Withva Street – from Frankland Street to Waverly Street; and
White Street – from Waverly Street to Isaacs Avenue;

The Rose Street IRRP is part of the overall Rose Street TBD Project and has limits from 4th Avenue to 6th Avenue.

For additional information regarding these 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



Clay Street Before



Clay Street After