



2013 IRRP Annual Progress Report

Introduction

The Infrastructure Repair and Replacement Plan (IRRP) has now completed its fourth 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 115 miles of failing infrastructure systems in the City, there are 40 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 year's work.

Progress Summary (2010-2013)

Projects	Miles Completed	Miles Remaining	Average Miles Replaced Per Year*
8	3.5	36.5	0.85

* After the 2010 bond is paid back in 2015, the program will ramp up to approximately \$4.5 million and will replace approximately 2 miles of infrastructure per year.

Infrastructure Replaced (2010-2013)

	2013	2012	2011	2010	TOTAL
Water Main Replaced (feet)	3,485	4,805	5,100	5,265	18,655
Sewer Main Replaced (feet)	3,519	4,004	4,920	4,970	17,413
Street Replaced (feet)	3,834	4,816	5,050	4,945	18,645
ADA Ramps Installed	29	26	93	55	203

Program Funding

- \$9,274,220 spent to date on IRRP projects (2010-2013).

2013 Project

In this past year, the City completed the Pleasant-Home-Fern-Statesman IRRP project which included:

- Pleasant Street – from Fern Avenue to Sturm Avenue
- Home Avenue – from Pleasant Street to the north end
- Fern Avenue – Pleasant Street to Whitman Street
- Statesman Street – from Juniper Street to Pleasant Street

The table below provides a summary of costs for the 2013 IRRP program year.

	Projected Cost	Actual Cost	Difference
Pleasant – Home – Fern – Statesman IRRP	\$2,641,316	\$2,134,171*	\$507,145

* Project savings were realized through the use of alternative construction techniques to preserve as much existing roadway section as possible. This included lining the sewer main line vs. open trenching, performing a grind and overlay of the roadway surface vs. total roadway reconstruction, and preserving the existing curb and gutter vs. reconstructing.

The table below lists the improvements made in 2013.

	Pleasant – Home – Fern – Statesman
Water Main Replaced	3,485 Feet (0.66 miles)
Sewer Main Replaced	3,519 Feet (0.67 miles)
Street Replaced	3,834 Feet (0.73 miles)
ADA Ramps Installed	29 Ramps

2013 Quantitative Results

Prior to construction of the Pleasant-Home-Fern-Statesman IRRP project a groundwater infiltration study was performed in March 2013 to quantify the amount of groundwater that was entering the sewer main within the project limits. After the project completion, the same study was performed in February 2014, to look at the effects of the project. The results of that analysis showed a 288,216 gallon reduction in groundwater entering the sewer at that location per day, which is approximately the average daily usage of 960 single family dwellings.

The 2013 IRRP projects replaced a total of 68 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.

2014 Projects

The Columbia IRRP project has the following project limits:

- Columbia Street – from Howard Street to Center Street;
- Clay Street – from Howard Street to Hilbrooke Drive;
- Center Street –from Tietan Street to Stone Street; and
- Hilbrooke Drive – from Wauna Vista Drive to Clay Street;

For additional information regarding this project, 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,



Paul Wemhoener



Jane Kreitzberg



Dominick Elia



Doug Simmons



Kurt Othberg



Jim Barrow

Infrastructure Improvement Committee



Pleasant Street Before Picture



Pleasant Street After Picture