

**Department:** Community Services      **Program Contact:** Jon Henrichsen  
**Program Offer Type:** Existing Operating Program      **Program Offer Stage:** As Adopted  
**Related Programs:** 91011, 91013, 91016, 91020  
**Program Characteristics:**

**Executive Summary**

This program is entrusted with operating and preserving the County's long term investment in its six Willamette River Bridges. The program also offers technical support to the Roads Division for 24 other bridge structures. The Willamette River crossings consist of four movable bridges (Hawthorne, Morrison, Burnside, and Broadway) and two fixed structures (Sellwood and Sauvie Island). Bridge Services is comprised of Engineering, Maintenance, and Operations.

**Program Summary**

Bridge Engineering is comprised of engineers, engineering technicians and support personnel. They provide planning, engineering and construction project management for the preservation of structural, mechanical, electrical and corrosion protection (paint) systems of the County's bridges. Most design and construction work is performed by outside contractors with direction and oversight provided by Bridge Engineering personnel. Projects are identified and prioritized in the Transportation Capital Improvement Program to match available funds. Bridge Engineering works with other County, State and Federal agencies to secure funding from State and Federal sources. The primary focus of Bridge Engineering is the six Willamette River Bridges, of which most are classified as historic structures and some are over 100 years in age. The four drawbridges are complex structures with complicated mechanical and electrical systems which allow them to be raised and lowered. The Engineering Section is engaged in multiple capital improvement projects. Design will be completed and construction will begin in FY 2017 on the Morrison Bridge Deck Replacement project and complete design of the Burnside Maintenance project, which will extend the life of the Burnside Bridge for 15-20 years. We will also continue the two year Burnside Seismic Feasibility Study to determine if the existing Burnside Bridge can be seismically upgraded and lay the framework for a National Environmental Policy Act study for a major Burnside Rehabilitation or Replacement in the next 20 years.

The Maintenance group is made up of staff who perform the preventative maintenance and smaller scale upgrades/enhancements on the bridges. It is their responsibility to ensure the operational reliability of the bridge mechanical, electrical, structural and corrosion protection (paint) systems. Maintenance places priority on response to emergencies, performance of specialized preventative maintenance tasks and making repairs/enhancements as needed. Some of the tasks performed by this group include: vehicle accident repair, bridge mechanical and electrical repairs/replacements, electrical and mechanical systems troubleshooting, minor roadway or sidewalk repairs, graffiti removal and snow removal.

Bridge Operations raise and lower the draw spans to allow the passage of ships and other river traffic. They also perform some of the preventative maintenance tasks. Both of these groups work closely with Bridge Engineering on a wide variety of projects and issues.

**Performance Measures**

Measure Type	Primary Measure	FY15 Actual	FY16 Purchased	FY16 Estimate	FY17 Offer
Output	Number of Preventative Maintenance tasks completed	1803	1,750	1,750	1,750
Outcome	Successful Bridge Openings	99%	99%	99%	99%
Outcome	Percent of Engineering Project Milestones Met	100%	100%	100%	100%

**Performance Measures Descriptions**

Preventative maintenance tasks help keep the bridges working properly and avoid the need for expensive capital rehabilitation projects. The percent of successful drawbridge openings measures the ability of this group to provide access for river traffic. Goal is 99%. The percent of project milestones met indicates our ability to deliver projects in a timely and efficient manner. Goal is 100%

## Legal / Contractual Obligation

Multnomah County is required to maintain and operate its drawbridges in accordance with the River and Harbor Act of 1894, federal regulations (USC 117.750), U.S. Coast Guard regulations (CFR Title 33), State Law (ORS 382.305), 1984 IGA with the City of Portland as amended in 1989, and HB 2041 Section 3a.

## Revenue/Expense Detail

	Proposed General Fund	Proposed Other Funds	Proposed General Fund	Proposed Other Funds
Program Expenses	2016	2016	2017	2017
Personnel	\$0	\$5,580,413	\$0	\$4,684,349
Contractual Services	\$0	\$128,425	\$0	\$900,000
Materials & Supplies	\$0	\$486,124	\$0	\$499,000
Internal Services	\$0	\$1,146,280	\$0	\$1,462,570
Capital Outlay	\$0	\$614,562	\$0	\$560,013
Cash Transfers	\$0	\$35,351	\$0	\$51,551
Unappropriated & Contingency	\$0	\$0	\$0	\$4,005,718
<b>Total GF/non-GF</b>	<b>\$0</b>	<b>\$7,991,155</b>	<b>\$0</b>	<b>\$12,163,201</b>
<b>Program Total:</b>	<b>\$7,991,155</b>		<b>\$12,163,201</b>	
<b>Program FTE</b>	0.00	43.40	0.00	41.00

Program Revenues				
Indirect for Dept. Admin	\$130,041	\$0	\$239,272	\$0
Intergovernmental	\$0	\$4,070,782	\$0	\$7,144,738
Other / Miscellaneous	\$0	\$2,914,580	\$0	\$1,374,458
Beginning Working Capital	\$0	\$1,005,793	\$0	\$3,644,005
<b>Total Revenue</b>	<b>\$130,041</b>	<b>\$7,991,155</b>	<b>\$239,272</b>	<b>\$12,163,201</b>

## Explanation of Revenues

Revenue for this program comes from gas taxes and vehicle registrations that are collected by the State and distributed based on an intergovernmental agreement that specifies the amount to be allocated to Bridge Capital. These are dedicated funds and can only be used for bridges. These funds are used to leverage Federal and State dollars to provide a greater benefit to the County.

Other/Miscellaneous revenue comes from reimbursements to Bridge Engineering for work performed by other projects and programs. The largest component is the Sellwood Bridge Project which represents \$1,164,878.

## Significant Program Changes

**Last Year this program was:** FY 2016: 91015-16 Bridge Services

The Bridge Section supplies the majority of the County labor for the Sellwood Bridge Replacement. As the project nears completion, labor needs are decreasing. In FY 2017, Bridges FTE count drops 3.4, reflecting the decrease in labor needs.