

**Project Name: Dayton Utility Bridge with Water and Sewer Mainline Upgrades**

**Background and Need:** The Dayton Utility Bridge is a 540-foot bridge constructed in 1980 as required by the Environmental Protection Agency to relocate the city’s water and sewer mainlines from under the Yamhill River. The water mainline delivers potable water from the city’s springs into the city and is our primary water source. The sewer force main transfers waste to the city’s sewer ponds. This bridge crosses the Yamhill River at the end of Ferry Street and provides pedestrian access between downtown Dayton, Alderman Park, and The Vintages RV resort. The Vintages is the city’s largest TLT revenue source. Pedestrian access has been restricted since 2018 and vacationers staying at the resort have stopped accessing downtown Dayton.

In 2018 the bridge was downgraded to poor condition due to advanced decay found in the A-frames which support the bridge. The city closed the bridge to all pedestrian traffic due to the inability to control the pedestrian live load any other way. If the bridge were to fail, the water and sewer mainlines would rupture and contaminants would go into the Yamhill River and completely compromise the city’s ability to provide water and sewer services to its residents.

The City completed a One-Stop with Business Oregon in 2019. A Community Development Block Grant would only cover the sewer mainline portion of this project and the cost/time to acquire this funding makes it unfeasible. To help offset post-pandemic inflation which increased the project from \$4.2 million to \$7.5 million, the City applied for a FY23 Congressional Direct Spending allocation which unfortunately we were not awarded.

The new bridge main span has been designed to be wide enough to allow emergency vehicle access. With the liquefaction mitigation included in the project design, this bridge may be the only available Yamhill River crossing after a large seismic event, preserving our community’s access to hospitals in Newberg and Portland.

**Proposed Solution:** The upsizing of both the water and sewer main lines from 8” to 14” and a replacement of the 220-foot mid-span of with a new steel truss.

**Solution Status:** This project is shovel-ready. The design and engineering are 100% complete with the construction anticipated to start in the spring of 2023. The city has worked with the Oregon Coast Guard, the Army Corp of Engineers, environmental consultants, and the Department of Environmental Quality (DEQ) to obtain the needed permitting. Construction is expected to be complete in the fourth quarter of 2023.

**Estimated Cost:** \$7.5 million Total Project. The city has secured a \$6 million loan through DEQ’s Clean Water State Revolving Fund and \$1 million ARPA grant for design and the water mainline. The cost of the bridge is substantial for this community and the impact will be passed onto the residents in the form of user rate increases. A \$3 million grant would lower annual user rate increases from \$300/resident to \$150/resident.

**Requesting: \$3 million (40% of total project) to lower the annual loan payment from \$250,000 to \$125,000.**

	<u>Project Budget</u>		<u>Matching Funds</u>
Construction	\$ 5,220,150	ARPA Grant	\$ 1,000,000
Arch/Eng	\$ 960,000	City Pre-Design	\$ 100,000
Contingencies	\$ 105,855	DEQ CWRSF Loan	\$ 3,400,000
Sewer Mainline Upgrade	\$ 569,850		
Water Mainline Upgrade	\$ 644,145		
	<u>\$ 7,500,000</u>		<u>\$ 4,500,000</u>





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