

Occoquan River Crossing, CIP REG-1
Project Summary

Project Description

The Occoquan River Crossing Project is a collaboration among three providers of drinking water: Fairfax Water, the Prince William County Service Authority (Service Authority), and Virginia American Water. This project consists of the design and construction of two new 42-inch, parallel water mains that will cross under the Occoquan River inside a 400-foot long tunnel and connect to existing water mains on the Prince William County side of the river. In addition, a new water main will be installed to connect Fairfax Water's Griffith Water Treatment Plant (located in Fairfax County) to the 42-inch water mains at the Occoquan River.

This project also includes the installation of a new drinking water pump at the Griffith Plant and two interconnections between existing water mains in Prince William County: one at Tanyard Hill Road and the other at the Horner Road Commuter Parking Lot.

The engineering design, design schedule, construction schedule and construction process will be managed by Fairfax Water, with coordination among the three utilities.

Purpose of the Project:

The new 42-inch transmission mains, along with other improvements, will increase drinking water transmission capacity and enhance system reliability to the Service Authority's existing and future customers. The new mains will replace aging supply pipes that currently deliver drinking water from the Griffith Water Treatment Plant to eastern Prince William County underneath the Occoquan River.

Scope of Work

All aspects of the water main work requires excavation. Construction consists of the following:

- Installation of water main for connection to the Griffith Water Treatment Plant;
- Installation of a tunnel with dual 42-inch water mains to cross beneath the Occoquan River;
- Installation of a new drinking water pump at Griffith Water Treatment Plant;
- Installation of 24-inch water main interconnections at Tanyard Hill Road and the Horner Road Commuter Parking Lot; and
- Replacement of a small segment of existing 24-inch water main at Tanyard Hill Road.

Project Duration

Construction is scheduled to begin in winter 2021-2022 and be completed by spring 2023.

Project Cost: To be determined once design is completed.

Engineer of Record: HAZEN AND SAWYER

Website: <https://www.pwcsa.org/OccoquanRiverCrossing>
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Service Authority Project Manager: M. Elena Herrera, P.E.
Prince William County Service Authority

Service Authority Commitments:

- To restore properties affected by Service Authority construction to original or better condition
- To maintain road access at all times
- To maintain emergency services, trash, mail, and other services
- To create and maintain a web page for the Occoquan River Crossing project in order to keep the community informed about the project
- To respond quickly to property owners' and customers' concerns
- To maintain clean-up activities (to be performed by Contractor)
- To have Service Authority Inspector and/or Project Representative on site (daily and as necessary)
- To excel in providing safe, reliable water service to our customers and returning clean water to the environment

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