

Occoquan River Crossing, CIP REG-1
Project Summary
(updated 01/24/2024)

Project Description

The Occoquan River Crossing project is a collaboration among three providers of drinking water: Fairfax Water, the Service Authority and Virginia American Water. This project consists of the design and construction of two new 42-inch, parallel steel water mains that will cross under the Occoquan River inside a 400-foot long tunnel and connect to the existing transmission mains on the Prince William County side of the river. In addition, a new 36-inch ductile iron water main, approximately 2,400 feet long, will be constructed from the Fairfax Water's Griffith Water Treatment plant going southbound to the Griffith Raw Water Pumping Station. (Both facilities are located in Fairfax County).

This project also includes the installation of a new finished water pump at Fairfax Water's Griffith Water Treatment Plant and two interconnections between the existing transmission mains in Prince William County: one at Tanyard Hill Road and the other near Horner Road.

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

Purpose of the Project:

The replacement of the existing mains with new 42-inch transmission mains will increase drinking water transmission capacity and enhance system reliability and availability to the Service Authority's existing and future customers. The project will also eliminate a single point of failure due to an existing single supply pipe from the Griffith Water Treatment Plant that supplies drinking water to eastern Prince William County.

Scope of Work

All aspects of this work require excavation. Construction consists of the following:

- Installation of approximately 2,400 linear feet of water mains ranging from 24 inches to 42 inches in diameter.
- Installation of an underwater tunnel to carry dual 42-inch transmission mains crossing the Occoquan River
- Installation of a new finished water pump at Fairfax Water's Griffith Water Treatment Plant
- Installation of two 24-inch interconnections at Tanyard Hill Road and at Horner Road
- Rehabilitation of an existing small segment of 24-inch water main in Tanyard Road.

Project Duration

Construction began in Summer 2022 and is scheduled for completion by Winter 2024.

Project Cost: \$17,710,000

Engineer of Record: HAZEN AND SAWYER

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Service Authority Project Manager: Sandra Hernando
Prince William County Service Authority
703-393-4408

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 maintain a web page for the Occoquan River Crossing project in order to keep the community informed;
- To respond quickly to property owners' and customers' concerns;
- To maintain daily clean-up activities (to be performed by Contractor);
- To have Service Authority Inspector and/or Project Representative on site (daily and as necessary); and
- To excel in providing safe, reliable water service to our customers and returning clean water to the environment

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