



# Occoquan River Crossing

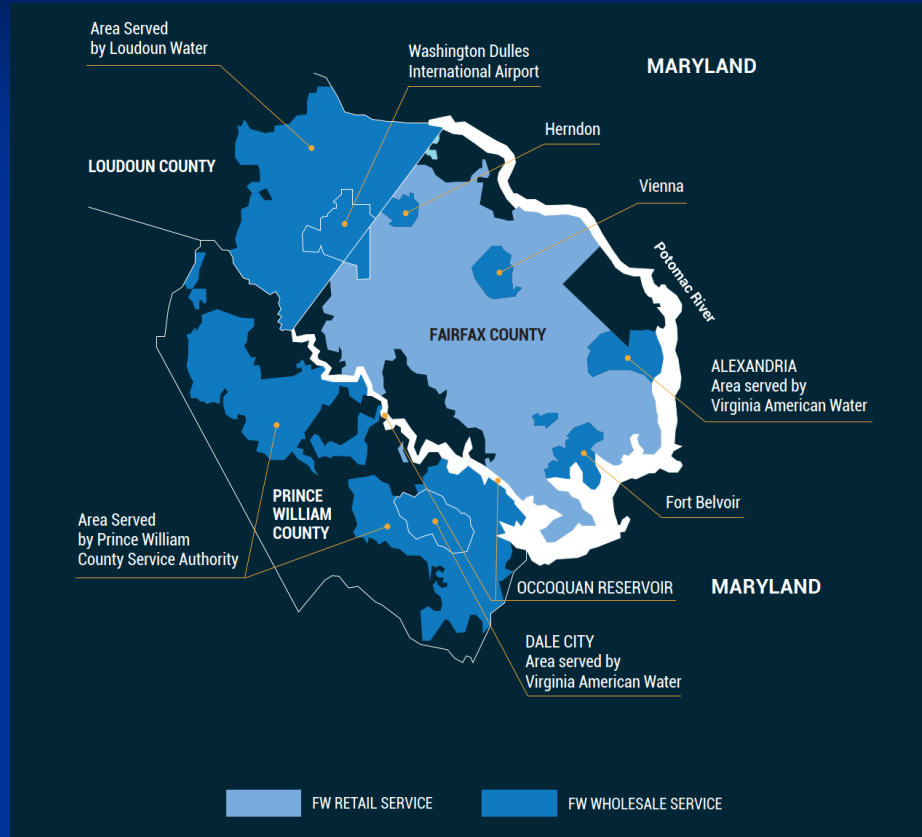
## Public Meeting

March 24, 2021

# Fairfax Water – Who We Are

- Chartered in **1957** by the State Corporation Commission as a public, non-profit water utility
- Governed by a 10-member Board of Directors
- Serves nearly **2 million people** in Northern Virginia
  - (Retail) Fairfax County and Cities of Falls Church and Fairfax
  - (Wholesale) Prince William County Service Authority (PWCSA) and Virginia-American Water (V-AW)

# Fairfax Water – Service Areas



# Project Background

- Fairfax Water currently serves eastern Prince William County via two parallel water transmission mains crossing under the Occoquan River
- Higher delivery pressures required to meet future demands exceed limitations of existing river crossing
- Project initiated to meet future demands and improve resiliency and reliability of service to eastern Prince William County

# Project Coordination

- Fairfax Water, PWCSA and V-AW worked closely on preliminary engineering/conceptual development
- Several “functional options” were evaluated and preferred option agreed to by all three systems
- Project will enhance reliability and redundancy for PWCSA and V-AW customers

# Project Elements

## ■ River Crossing

Installation of dual 42-inch water mains tunnelled beneath the Occoquan River

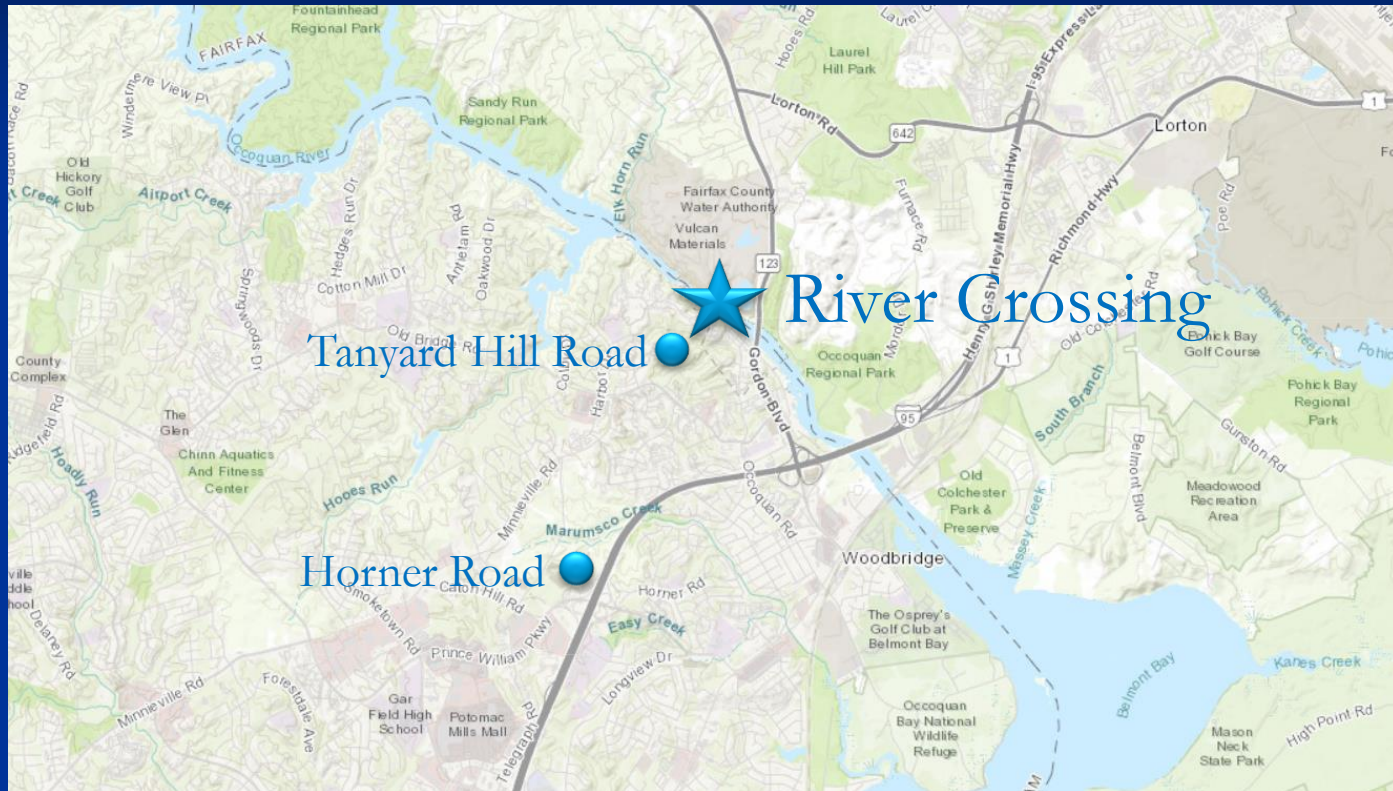
## ■ Tanyard Hill Road

Replacement of 700 linear feet of 24-inch water main and interconnection to 36-inch water main

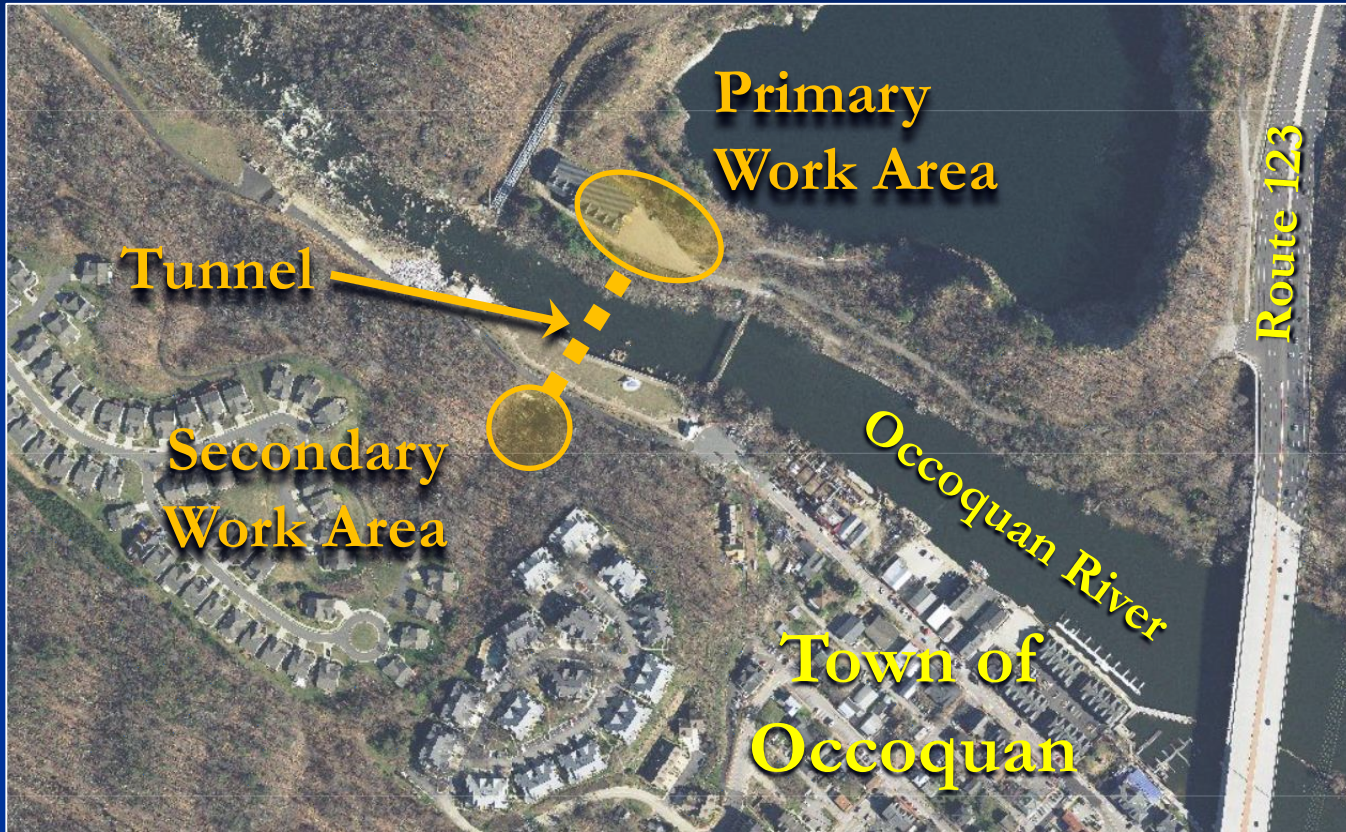
## ■ Horner Road

Interconnection between existing 24-inch and 36-inch water mains

# Project Locations

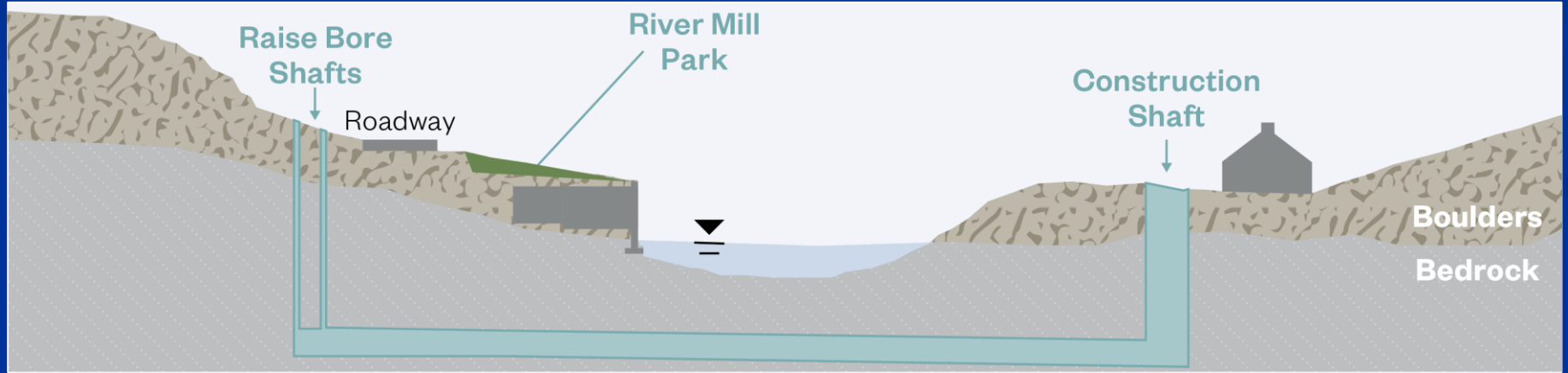


# River Crossing





# River Crossing - Tunnel



# River Crossing - Construction



# River Crossing - Construction

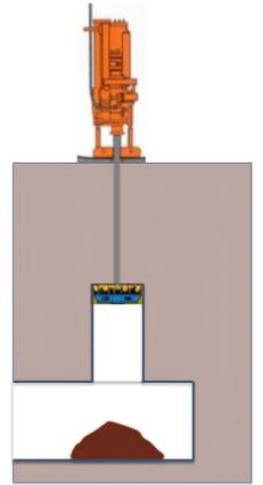


# River Crossing - Construction

Limited workspace: Raise Bore solution



Raise Bore Operations  
Raise Boring



# Tanyard Hill Road



# Schedule

	River Crossing/ Tanyard Hill Road	Horner Road
Design Complete	Summer 2021	Summer 2021
Construction Start	Fall 2021	Fall 2021
Construction Complete	Early 2023	Winter 2021/2022

# For Additional Information

Webpage:

[pwcsa.org/Occoquan-River-Crossing](http://pwcsa.org/Occoquan-River-Crossing)

Email:

[OccoquanRiverXing@pwcsa.org](mailto:OccoquanRiverXing@pwcsa.org)

QUESTIONS?