

Norris Bridge Transmission Project

Dominion Virginia Power
May 28, 2015

Norris Bridge Transmission Line -- Background

- ❑ Currently, Dominion Virginia Power operates an overhead 115 kilovolt (kV) transmission line that crosses the Rappahannock River via a combination of structures in the river and attachments to the Route 3-Norris Bridge.

- ❑ This transmission line provides critical electric power to the lower end of the Northern Neck peninsula, which includes Dominion Virginia Power and electric co-op customers.
 - 19,000 customers, including 5800 NNEC members

- ❑ This transmission line has been in operation since 1962.

Norris Bridge Transmission Line – Current State

Lancaster side looking towards Middlesex



Middlesex side looking towards Lancaster



Norris Bridge Transmission Project

- ❑ Replace aging infrastructure that has been in place since 1962 and has reached its “end-of-life”

- ❑ Gain increased reliability and operational efficiencies by upgrading and relocating the line
 - rebuilding the line to meet current standards and clearances will reduce vulnerabilities of an aging line lessening the risk of outages
 - this will help maintain reliability and reduce the restoration time in the event of an outage

- ❑ Maintain safety for Dominion and VDOT crews and lessen potential hazards to the public and watermen
 - relocating off the bridge will lessen the frequency that Dominion and road crews will need to coordinate for line outages or lane closures and reduce road debris from impacting the line.
 - The line will also be built to current Army Corps of Engineers clearances and codes, maintaining up-to-date safety standards for navigable waters.

Norris Bridge Transmission Project

❑ Project details:

- Rebuild ~2 miles of line across the Rappahannock River.
- Replace/remove the existing 7 wood structures currently in the water and remove the 14 bridge attachments.
- Upgrade and relocate onto 10 steel structures/concrete foundations in the water.
- Remain on same side as the current transmission line alignment.
 - Approx. 100' east of bridge

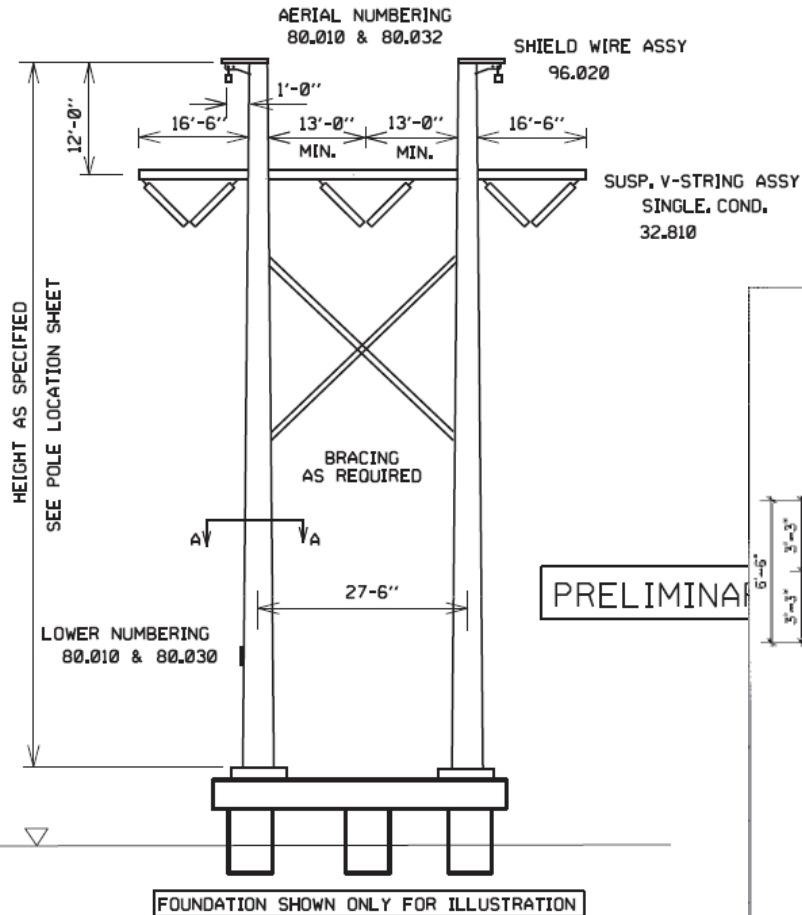
❑ Dominion is seeking state and federal authority to cross the river.

- Active permit application pending with VMRC and US Army Corps of Engineers.
- Anticipate Fall 2015 permit applications approved, begin construction-related activities.

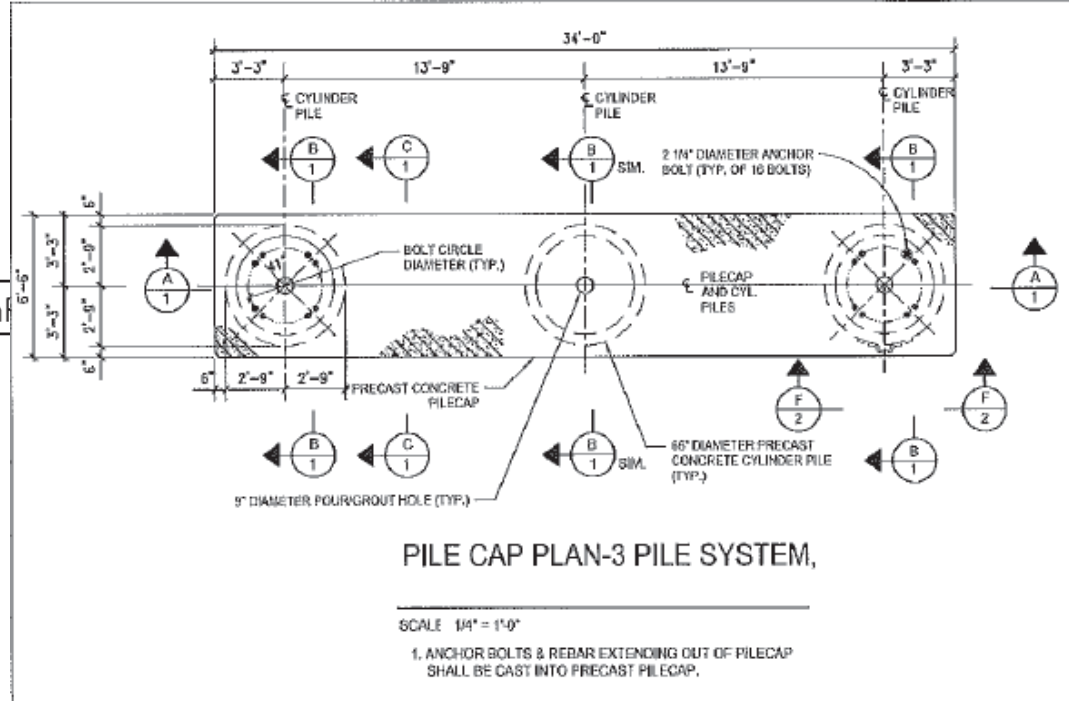
Project Map



Preliminary Structure

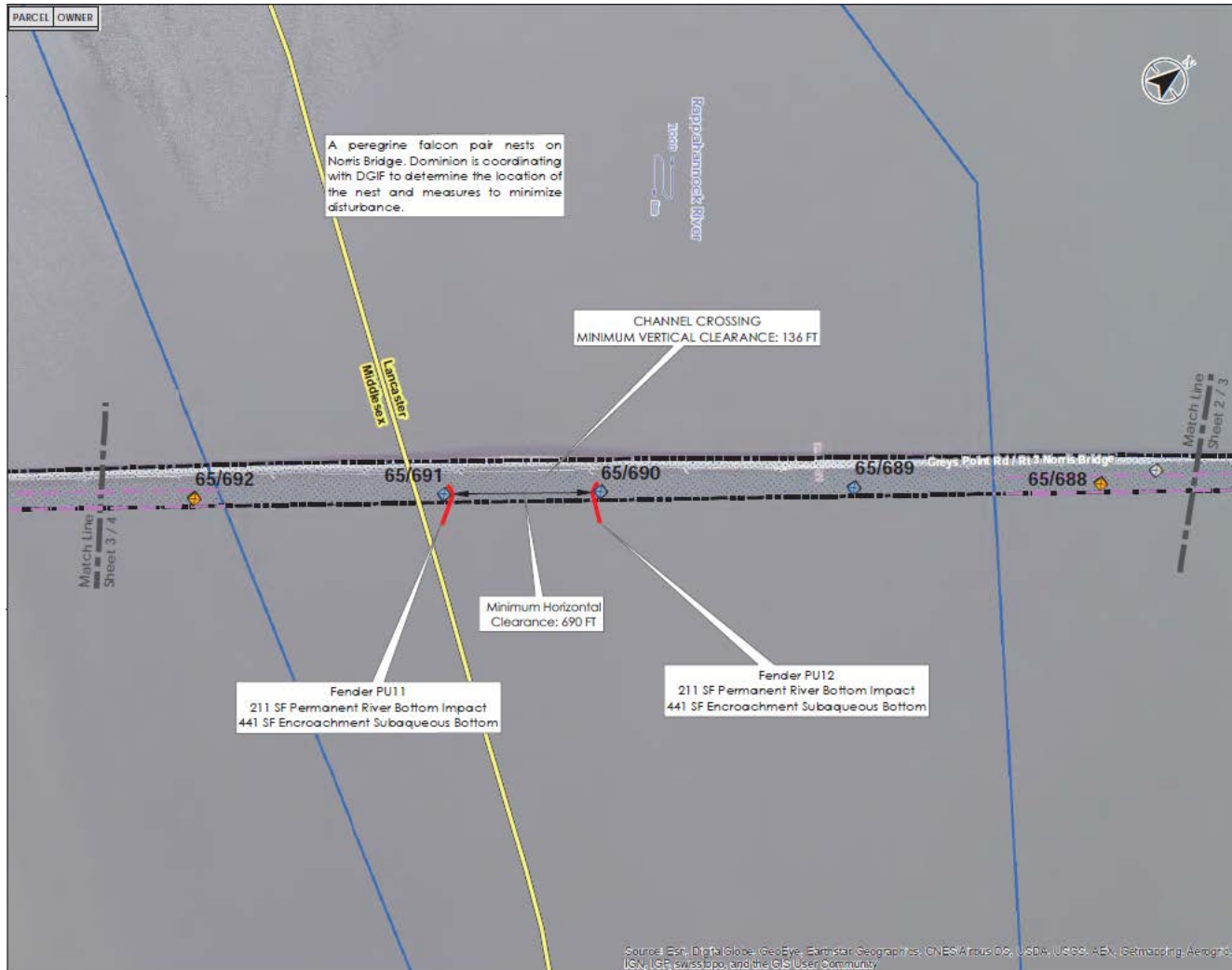


PRELIMINARY



Structure heights:
Ave between 120' and 180'

Navigable Water Way Fender System at Channel



Community Outreach

- ❑ Oyster Bed Lease Holders, Fall 2014
 - A new transmission line would not impact private oyster grounds.

- ❑ Public Announcement
 - Mailed letters and fact sheets to landowners along the route, April 17, 2015.
 - Project web page on dom.com, keyword “Norris Bridge”
 - Email address for on-going contact - powerline@dom.com

- ❑ Maintain Open Lines for Communications Throughout Project

Norris Bridge Transmission Project

Thank You

www.dom.com, keyword “Norris Bridge”

E-mail: powerline@dom.com