

Civil Rights

Prince William County ensures nondiscrimination and equal employment in all programs and activities in accordance with Title VI and Title VII of the Civil Rights Act of 1964.

If you need more information or special assistance for persons with disabilities or limited English proficiency, contact the Prince William County Department of Transportation at 703-792-6825 or TDD 711.

Right of Way

Although most of the Right of Way needed to construct this project has already been acquired, additional Right of Way and easements are anticipated and will be confirmed upon final design of this project. Impacted property owners will be informed of the exact location of these easements during the land acquisition process prior to construction.

The land acquisition program will be conducted in accordance with the Uniform Relocation and Real Estate Property Acquisition Act of 1970, as amended.

Adjustments to the existing Limited Access lines will also be required.

What's Next?

Prince William County Department of Transportation (PWC-DOT) will review and evaluate comments received throughout the public involvement process. Once review is completed, Prince William County will issue a written response to all the comments and convey all additional informational documents including interchange schematic plan, re-evaluated environmental document, and preliminary pavement boring report along with compiled public comments-and-responses document to the design-build teams for their consideration in their final design.

ANTICIPATED SCHEDULE

Public Information Meeting: **March 25, 2020**
Final Concept Submittal: **May 2020**
Project Award Date: **August 2020**
Project Completion Date: **April 2023**

Contact Information

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Please reference "Route 234 – Brentsville Road Interchange PIM Comments" in the subject heading of comments submitted via email.



Public Information Meeting Route 234 – Brentsville Road Interchange Prince William County, Virginia

Wednesday, March 25, 2020
6:30 PM – 8:30 PM

Lake Jackson Volunteer Fire Department
11310 Coles Drive, Manassas, VA 20112

About Tonight's Public Information Meeting

Thank you for attending tonight's Public Information Meeting to learn about the Route 234 – Brentsville Road Interchange Project in Prince William County, Virginia.

Prince William County Department of Transportation (PWC-DOT) invites you to review and comment on the conceptual interchange plan for this project.

This meeting will consist of a short presentation to review project details, followed by an opportunity for you to review exhibits, ask questions and provide comments.

All written comments received will be compiled and considered as this project moves toward the selection of a design-build contractor and design development.

Comment sheets are included with this brochure and are available at tonight's meeting. Comments can be provided either in writing during tonight's meeting, via email to the project manager, or by sending a comment sheet by close of business on April 22, 2020. See contact information on back page of this brochure.

We look forward to serving you as the project moves forward. Thank you for attending!

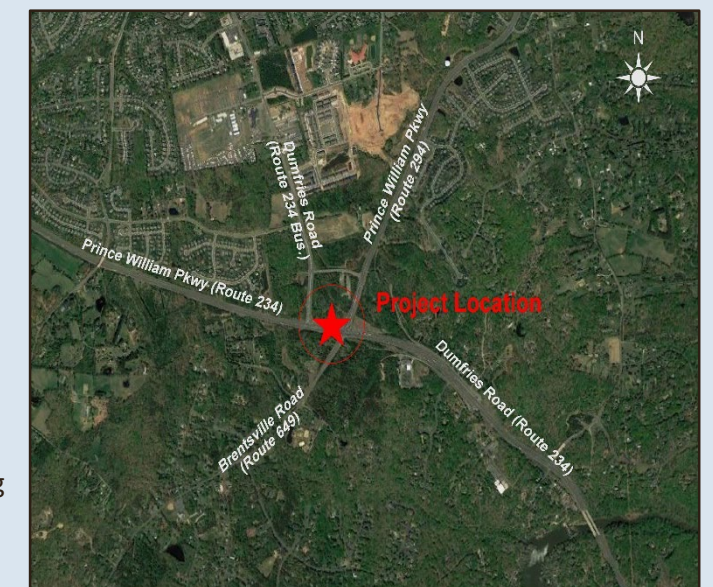
Project Overview

Route 234 – Brentsville Road Interchange

Location: The junction of Dumfries Road (Business Route 234), Dumfries Road (Route 234), Prince William Parkway (Route 234), Prince William Parkway (Route 294) and Brentsville Road (Route 649) in Prince William County, VA.

Project Budget: The \$54.9 Million project cost is fully funded with Northern Virginia Transportation Authority (NVTA) regional revenues as part of the NVTA FY 2018-23 Funding Program.

Purpose: The purpose of this project is to improve the safety and traffic operations within the vicinity of the project location including the elimination of the two existing traffic signals on Prince William Parkway (Route 234).



Project Description

The Route 234 corridor is regionally significant, serving both commuters and local travelers. Route 234 experiences congestion at the two signalized intersections with Dumfries Road (Route 234 Business) and Brentsville Road/Prince William Parkway (Route 294), resulting in rear-end crashes at the intersections and their approaches. A Strategically Targeted Affordable Roadway Solutions (STARS) study was completed by VDOT in 2017, with the purpose of reducing congestion, improving travel times, implementing long-term operational improvements to Route 234, and improving safety and operations in the corridor. The resulting interchange concept eliminated the Brentsville Road/Prince William Parkway at-grade signalized intersection and was then used to obtain funding for the project from the Northern Virginia Transportation Authority (NVTA).

The proposed interchange concept you see tonight is a slight modification to the STARS Study to further enhance safety and traffic operations. Both existing signalized intersections on Route 234 at Dumfries Road (Route 234 Bus) and Brentsville Road/Prince William Parkway (Route 294) have been eliminated.

The proposed concept will include the construction of two bridge(s) over Route 234, replacing the signalized intersections of Dumfries Road (Route 234 Bus) and Prince William Parkway (Route 294) /Brentsville Road. The new bridges will provide free flow movements for southbound Prince William Parkway (Route 234) to eastbound Prince William Parkway (Route 294), as well as westbound Prince William Parkway (Route 294) to southbound Dumfries Road (Route 234). The delays currently experienced at the two existing signals on Prince William Parkway (Route 234) in both directions will be eliminated. The intersection of Prince William Parkway (Route 294) at Bradley Cemetery Way will be converted to a continuous Green-T intersection that allows eastbound Prince William Parkway (Route 294) to be free flowing. A signal will be activated to allow Bradley Cemetery Way left turns onto eastbound Prince William Parkway (Route 294). Brentsville Road will be realigned with Dumfries Road (Route 234 Bus). Westbound Prince William Parkway (Route 294) will have free right turns towards the intersection with Dumfries Road (Route 234 Bus). Brentsville Road will be rerouted to align with Dumfries Road (Route 234 Bus) and the new intersection with the ramp from southbound Route 234 will operate as another continuous Green-T intersection with northbound Brentsville traffic free flowing. A signal will be activated to allow southbound Route 234 left turns onto northbound Brentsville Road/Dumfries Road (Route 234 Bus). The intersection of Bradley Cemetery Lane and Dumfries Road (Route 234 Bus) will be signalized and will take ramp traffic to and from northbound Prince William Parkway (Route 234)

The Route 294 to Route 234 existing Shared Use Path (SUP) will be rerouted thru the interchange and tie back to the existing SUP on the south side of Route 234. A new SUP will be constructed along extended Dumfries Road (Route 234 Bus) to meet future SUP shown in the County Comprehensive plan along the west side of Dumfries Road (Route 234 Bus) at Bradley Cemetery Way.

Traffic

The Strategically Targeted And Affordable Roadway Solutions (STARS) study prepared by Virginia Department of Transportation evaluated the overall operational performance of the Route 234 corridor but the operational analysis of the interchange was limited to intersection analyses using Synchro software. Synchro is based on methodologies presented in *Highway Capacity Manual*. Additional capacity analyses were performed for year 2045 using Synchro software. Two measures of effectiveness were selected to document the quantitative performance of the signalized intersections.

- Average vehicle delay by movement, approach, and intersection (measured in seconds per vehicle)
- 95th percentile queue length (measured in feet)

For the modified interchange concept shown tonight, each of the signalized intersections were verified that they can operate at acceptable Level-of-service (LOS) of D or better. As per Prince William County 2008 Comprehensive Plan, minimum LOS for roadways and intersections will be LOS D. The selected Design Build team will be responsible for preparing an Interchange Justification Report for review and acceptance by VDOT. This report will include a detailed operational model of the entire interchange.

Environmental Review

The proposed Route 234 – Brentsville Road Interchange was a component of the Route 234 Bypass (now Prince William Parkway) project, which was evaluated in a Supplemental Environmental Impact Statement (SEIS) prepared by VDOT and the Federal Highway Administration (FHWA) in 1994, in accordance with provisions of the National Environmental Policy Act (NEPA) and 23 CFR 771. The location of the current proposed improvement is essentially the same as was proposed and evaluated in the SEIS. Modifications have been made, however, to the design of the interchange to improve traffic operations and take into consideration existing access and features in the vicinity of the interchange.

The Prince William County Department of Transportation has reviewed the modifications to the Route 234 –Brentsville Road Interchange and conducted environmental studies to assess the environmental consequences resulting from changes in the design, changes in regulatory requirements and guidance, and changes in the affected environment since the SEIS was issued, to help determine if there are any new significant impacts at this point in project development. The most notable changes in environmental conditions within the vicinity of the project since the publication of the SEIS include the construction of Prince William Parkway (Route 294) north of the intersection of Brentsville Road and Route 234, the residential development and growth of forest within former agricultural fields, increased traffic congestion, and multiple planned transportation improvements. Copies of the Environmental Studies document are provided at this meeting for your information and will be posted on the project website once finalized.

