Public Information Meeting

Intersection Improvements at Prince William Parkway and University Boulevard (Quadrant Road Intersection)

May 20, 2019

PWC Project Number: 19C17004
General Transportation Information

- Project is part of VDOT’s STARS program
  - Broader effort to increase capacity and safety along University Boulevard.

- STARS Report identifies 4 intersections along Prince William Parkway (Route 234 Bypass):
  - Sudley Manor Drive
  - Wellington Road
  - University Boulevard
  - Clover Hill
Project Overview

- The Project is being administered by Prince William County Department of Transportation.

- The Project is a County project funded by the Northern Virginia Transportation Authority (NVTA) as part of the FY2018-2023 Six Year Program.

- Current budget is approximately $24.2 million.

- Project limits Along Prince William Parkway:
  - **From**: Approximately 1,200 feet east of the existing Wellington Road Intersection
  - **To**: Approximately 1,500 feet east of existing University Boulevard Intersection

- Project limits Along Prince William Parkway:
  - **From**: Approximately 500 feet west of the existing Innovation Drive intersection
  - **To**: The eastern Leg of existing Hornbaker Road Intersection
Project Location
Proposed Concept

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Traffic Operations

- The new intersection improves overall traffic operations by removing left turns at the Prince William Parkway and University Boulevard intersection.

- Operationally, there are some similarities with cloverleaf interchange design where motorists travel slightly further but encounter lower overall delays.

- Safety is enhanced because there are fewer conflict points.
Traffic Operations

- Left turns at the intersection of the Prince William Parkway and University Boulevard are accommodated as shown below (disallowed movements are shown in red):

  - Travel route for northbound left turn traffic.
  - Travel route for southbound left/right turn traffic.
Traffic Operations

- Left turns at the intersection of the Prince William Parkway and University Boulevard are accommodated as shown below (disallowed movements are shown in red):

Travel route for eastbound left turn traffic.

Travel route for westbound left turn traffic.
Proposed Typical Section

New Discovery Boulevard
(Extension of Discovery Boulevard to Prince William Parkway)
(N.T.S.)

- 4-lane divided roadway
- 16-foot grass median
- 10-foot shared use path
- 5-foot sidewalk
Additional Design Features & Considerations

- Design speed of 35 mph New Discovery Boulevard;
- Two new traffic signals on New Discovery Boulevard; one at the intersection with Prince William Parkway and another at the intersection with University Boulevard
- Pedestrian and bicycle facilities along New Discovery Boulevard include:
  - 10-foot asphalt shared use path
  - 5-foot concrete sidewalk
- Project involves the improvements to two (2) additional intersections.
- Utility relocations are anticipated.
- The Project will improve overall traffic operations and safety.
Right of Way Acquisition

- Some right of way, including temporary and permanent easements, will be required for construction.
- No anticipated residential displacements or relocations.
- No anticipated displacement of commercial properties.
- This project will involve a change and/or break in limited access control which requires CTB approval.
- Affected property owners will be contacted during the land acquisition process which is anticipated to start in the winter of 2020.
- For additional information related to right of way acquisition, please contact:

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Environmental Evaluation

- Local Environmental Review Process (LERP)

  - Review of affected environment and potential environmental consequences

  - Project area designated for future development in Prince William County Comprehensive Plan

  - Project will not result in any displacements or alterations in land use, planned growth, development patterns, or impacts to natural and cultural resources.
Anticipated Project Schedule

- Public Information Meeting: May 20, 2019
- Right of Way Authorization: February 2020
- Advertise for Construction: August 2020
- Construction Start Date: Fall 2020
- Project Completion Date: Fall 2022
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For More Project Information

http://www.pwcgov.org/government/dept/dot/Pages/Current-Road-Projects.aspx
Questions & Comments

- Staff from Prince William County Department of Transportation and its consultants are available to discuss the project and answer questions.
- Written comments can be submitted to Prince William County’s Project Manager, Mr. John Flemming

By email at:  John.Flemming@PWCgov.org
Ref: Intersection Improvements at Prince William Parkway and University Boulevard – Quadrant Road Intersection

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Project Location