



PRINCE WILLIAM
COUNTY

Design Public Hearing

Old Bridge Road and Occoquan Road Intersection Improvements

Thursday, February 3, 2022

Ms. Sherry Djouharian

Project Manager

Prince William County Department of Transportation



Project Purpose & Funding

Project Purpose:

The purpose of this project is to realigning the intersection of Old Bridge Road and Occoquan Road to increase sight distance, pedestrian visibility, and improve overall operational performance of this busy intersection.

Primarily a safety improvement project - removes sharp reverse curve at intersection to reduce congestion/accidents

Funding:

The project is funded through the Federal SMART SCALE program

➤ Budget of **\$11.85** million

Project History To-Date

- May 2020 – Design contract awarded
- March 2021 – Public Information Meeting (Virtual)
- November 2021 – Public Hearing Level Phase Plans submitted to VDOT/PWC
- December 2021 – Utility Field Inspection
- **February 2022 – Design Public Hearing (In-person/Virtual Streaming)**

Project Location / Vicinity Map



Design Overview

Project Purpose

- Congestion and Crash History Data warrants improvement...



Proposed Improvements



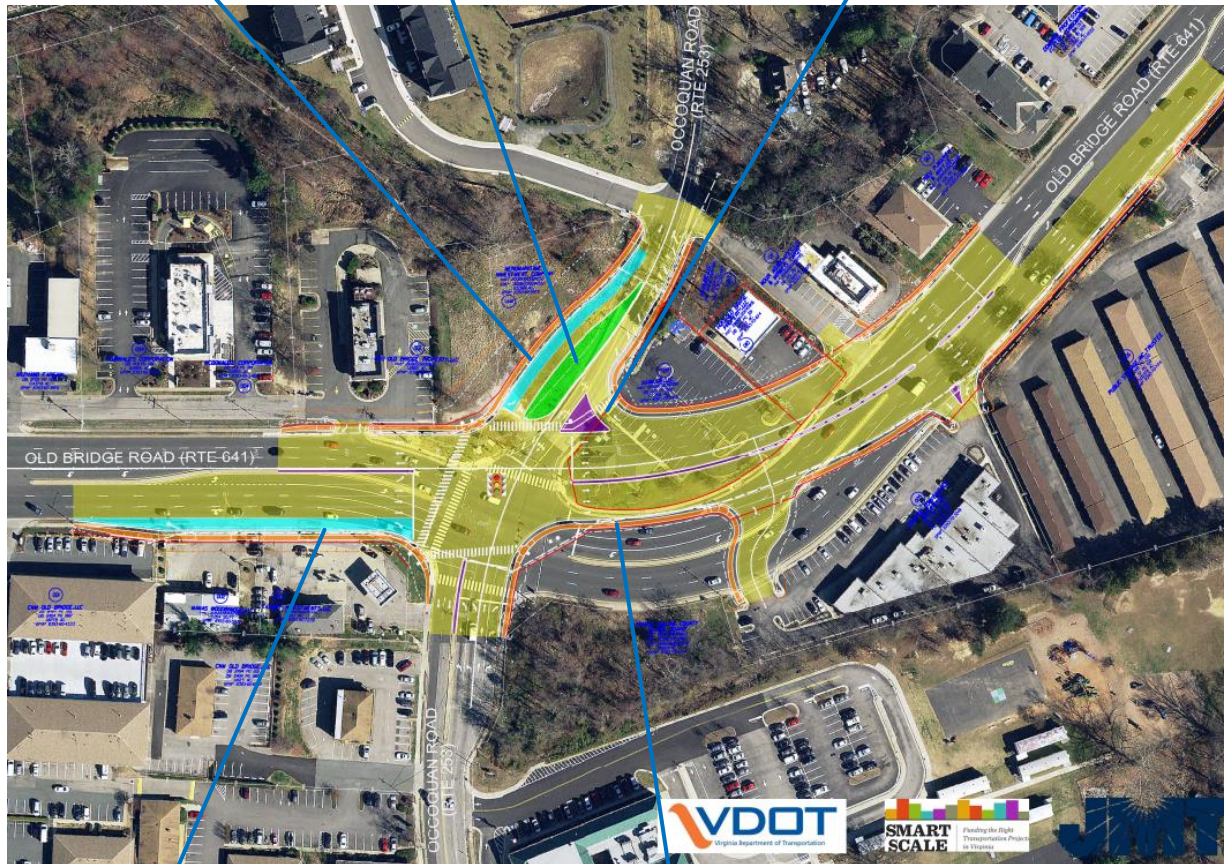
- Realignment – One Simple Curve
- Adequate Sight Distance
- Maintain Posted Speed (35 MPH)
- Urban Low-Speed Design
- Reduces Superelevation
- Efficient Design (minimize impacts)

Design Overview

New Right Turn Lane

Raised Grass Median

Right-Turn Slip Lane

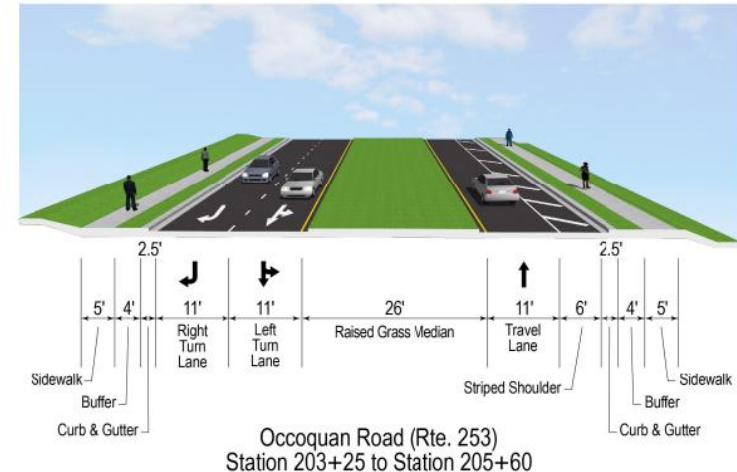
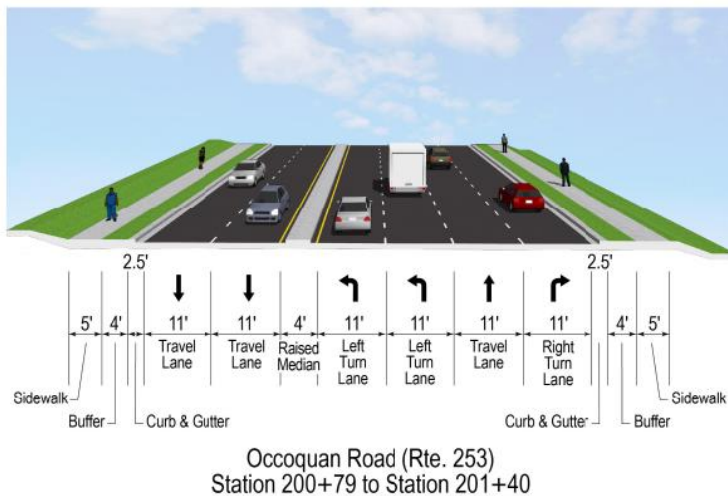
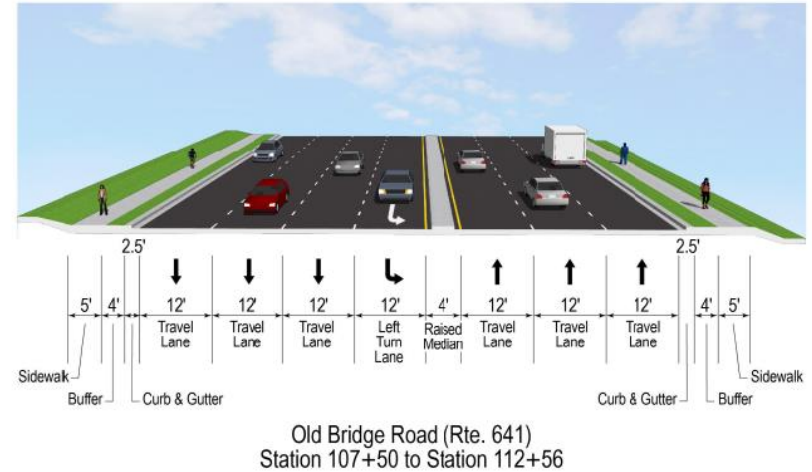
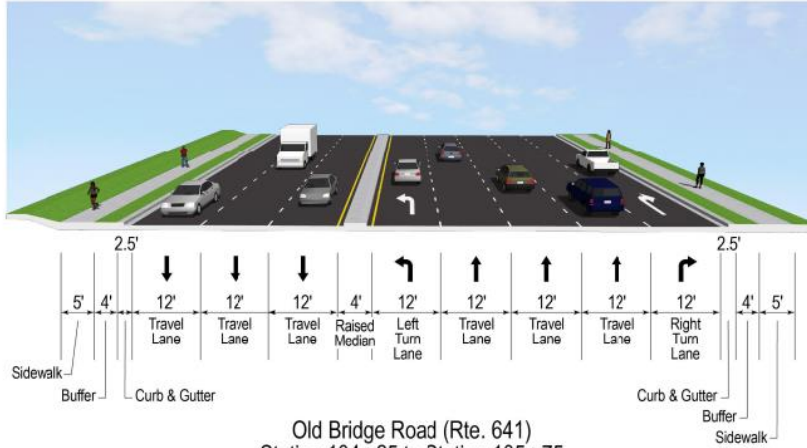


New Right Turn Lane

Sidewalk Replacement – All Approaches

Design Overview

Typical Sections

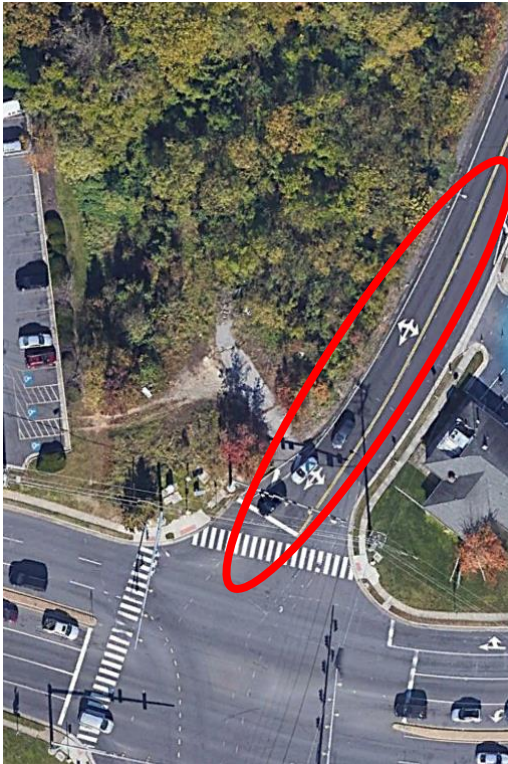


Additional Design Enhancements

- Two additional right-turn lanes (Traffic Volumes)
 - 1) SB Occoquan Rd onto WB Old Bridge Rd (Adjacent to Wendy's)
 - 2) EB Old Bridge Rd onto SB Occoquan Rd (Adjacent to BP Gas Station)
- Channelized Right-Turn Slip Lane and Pedestrian Refuge Island
- Upgraded ADA Compliant Curb Ramps and Sidewalk
- Access Management (Entrance Spacing)
- Drainage Improvements (Upgraded Inlets, Storm Drain Pipes)
- Traffic/Pedestrian Signals, Signing & Pavement Markings

Design Overview

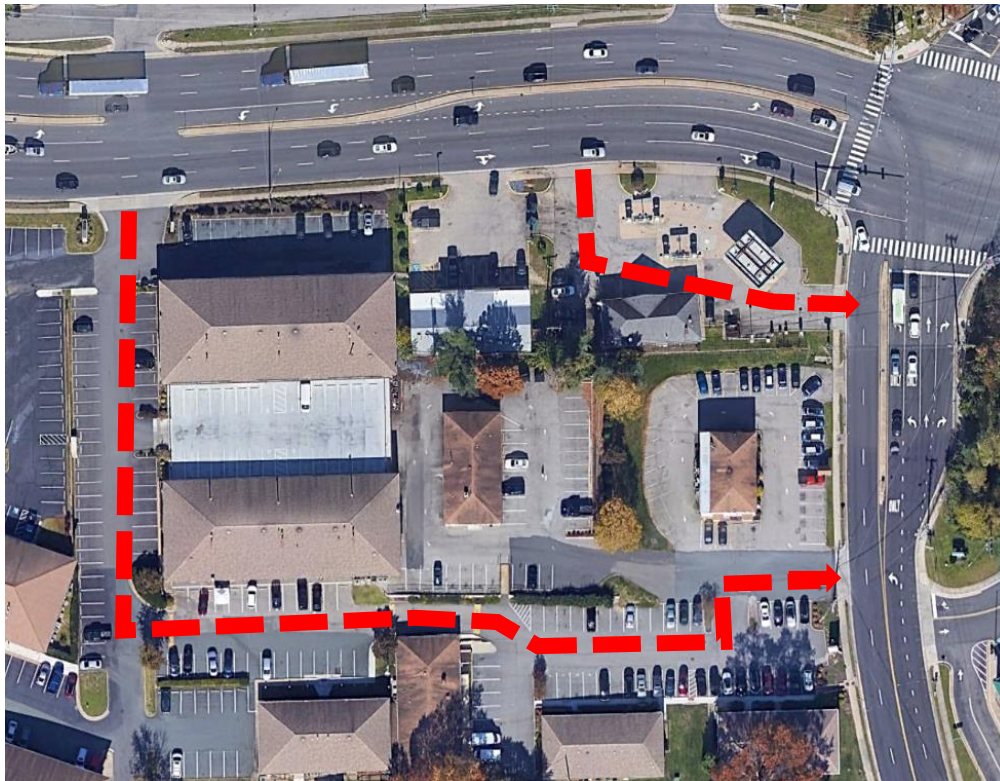
SB Occoquan Rd onto WB Old Bridge Rd Right Turn Lane



- Volumes warrant a separate right turn lane
- Thru/Left Turn movement will not block right turning traffic
- Corrected the intersection skew

Design Overview

EB Old Bridge Rd onto SB Occoquan Rd Right Turn Lane



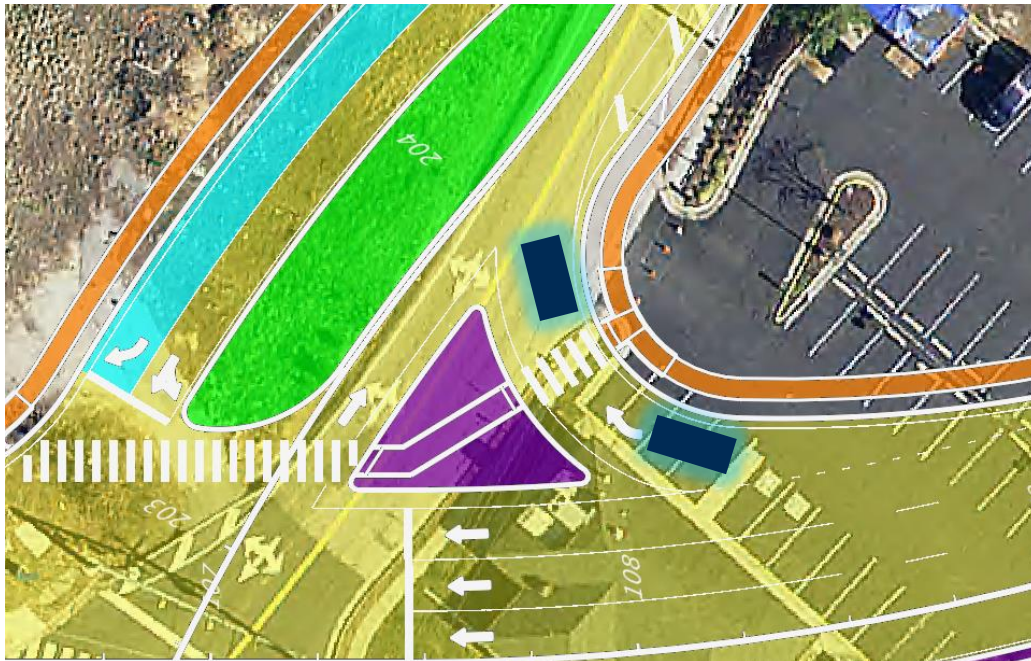
- Volumes warrant a separate right turn lane
- Reduces cut-thru traffic



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Channelized Right-Turn Slip Lane and Pedestrian Refuge Island



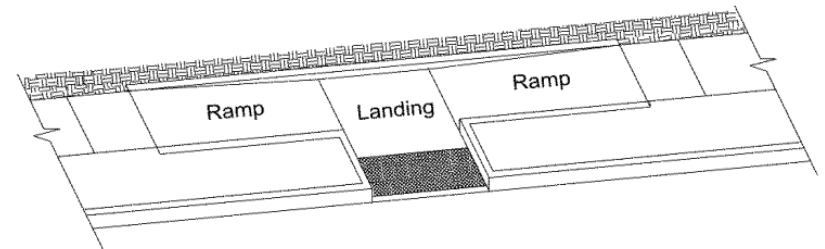
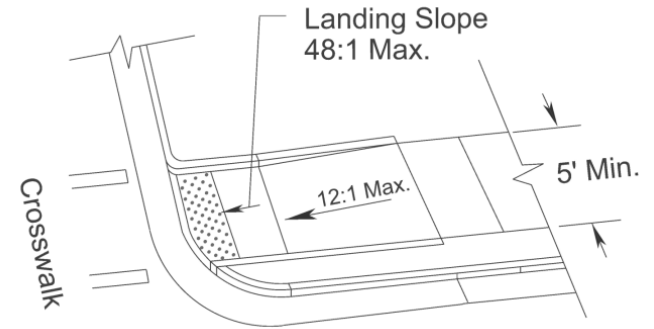
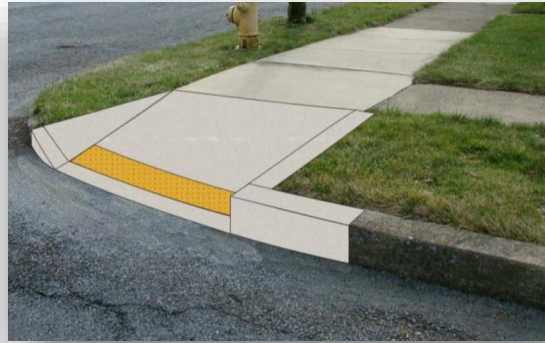
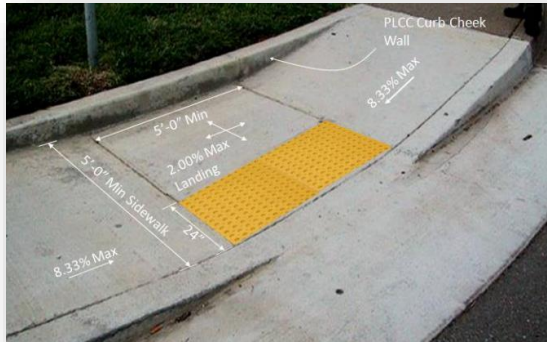
- Traffic Volumes do not warrant a separate right turn lane
- Public Feedback at PIM and VDOT suggestion
- Avoids vehicle overhang and provides vehicle storage pocket beyond crosswalk
- Configuration of intersection, Design Vehicle, and Pedestrian Crosswalk resulted in the need for a Refuge Island

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Design Overview

ADA Facilities

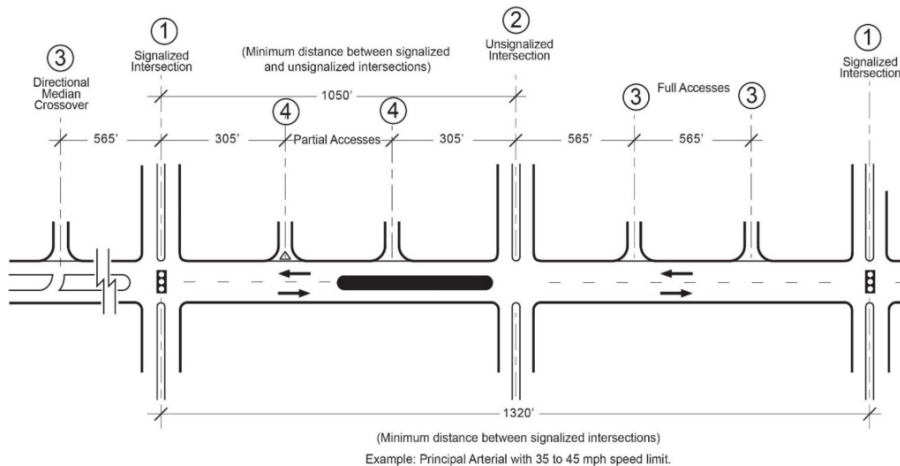


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Access Management (Entrance Spacing)

- Resituating 1 entrance
- Closing off 1 entrance (BP)
- Minor modifications to 8 entrances



Right of Way Acquisitions

- Right of Way and easements (permanent and temporary) will be required for project construction.
- Estimated 13 affected properties with 2 anticipated total acquisitions and/or business relocations
- All affected property owners will be contacted during the land acquisition process prior to construction
- For additional information related to right of way, please contact:

Mr. Scott Hatten

Prince William County DOT
5 County Complex Court, Suite 290
Prince William, VA 22192
Email: Shatten@pwcgov.org
Phone: [\(703\) 792-6257](tel:(703)792-6257)

- Project completed a NEPA CE Environmental Studies
 - Phase 1 Environmental Site Assessment (ESA)
 - Natural Resources/Threatened and Endangered Species.
 - Air Quality Analysis Report
 - Cultural Resources
 - Hazardous Material Due Diligence
 - Water Quality Permits and Natural Resources Due Diligence
 - NEPA Concurrence
- Approved Environmental documents are available for public viewing
- Geotechnical Report to be Finalized Spring 2022

Project Preliminary Schedule

- Prelim. Design Phase January 2021
- Design Public Hearing February 2022
- Initiate Right of Way Spring 2022
- Utility Relocations Begin Fall 2022
- Advertise for Construction Summer 2023
- Construction Complete Spring 2025

Anticipated Dates subject to changes

Next Steps

- Incorporate and/or respond to public feedback
- Address remaining VDOT comments
- Utility and ROW Acquisition Phase
- Progress plans to Final Design

Questions & Comments



Staff from Prince William County Department of Transportation, VDOT, and the Design-Team are available to discuss the project and answer questions.

Written comments can be submitted to Prince William County's Project Manager,

Ms. Sherry Djouharian

sdjouharian@pwcgov.org

Ref: Old Bridge – Occoquan Intersection Public Hearing Comments

Or By Mail:

Ms. Sherry Djouharian

Prince William County DOT

5 County Complex Court, Suite 290

Prince William, VA 22192

Phone: (703)-792-6822



Please submit comments by
February 17, 2022