

Get Involved

VDOT representatives will review and evaluate information received as a result of this meeting. Please fill out the comment sheet provided in this brochure if you have any comments or questions. You may leave the sheet or any other written comments in the comment box, or mail/email your comments.

Comments must be postmarked, emailed or delivered to VDOT by **June 20, 2019**.

Mail comments to Ms. Hong "Jenny" Ha, P.E. at the address below or email **meetingcomments@vdot.virginia.gov**. Please include "Route 29 Widening" in the subject line.

Project information shared at this meeting will be available online at **www.virginiadot.org/projects/** and at VDOT's Northern Virginia Office.

Contact Information

Primary Contact:

Hong "Jenny" Ha, P.E.
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Location & Design

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Preliminary Engineering

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703-259-2239

Brian Costello
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Right of Way & Utilities

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Fairfax, VA 22030

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Jennifer McCord
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Communications

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703-259-1779

TTY/TDD Dial 711



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Design Public Hearing

Route 29 Widening Fairfax County

Monday, June 10, 2019
6:30 p.m. to 8:30 p.m.
Presentation starts at 7 p.m.

Virginia Department of Transportation
Potomac Conference Room
4975 Alliance Drive
Fairfax, VA 22030



Design Public Hearing

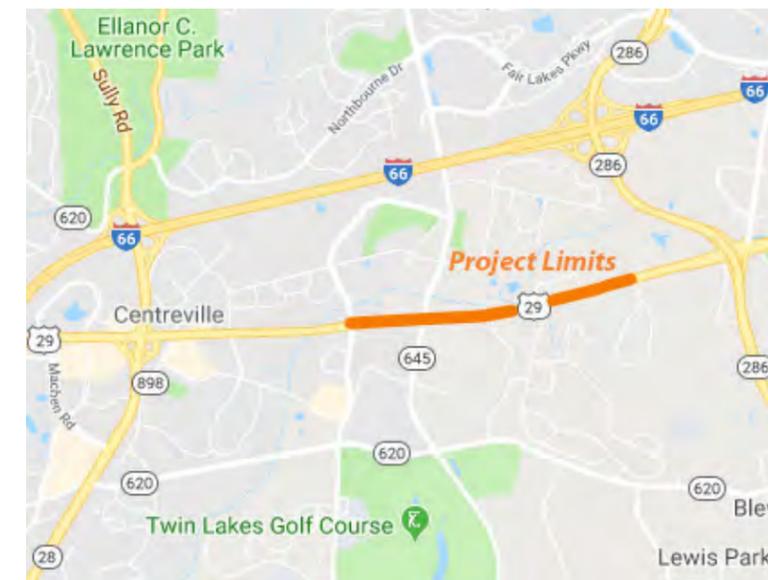
Welcome to the Virginia Department of Transportation's (VDOT) Design Public Hearing on proposed improvements to Route 29 (Lee Highway). We look forward to your active participation.

This design public hearing is being held to provide an opportunity for citizens and organizations to give VDOT comments and/or suggestions on the proposed project.

VDOT strives to ensure that all members of the community have the opportunity to participate in public decisions on transportation projects and programs affecting them.

VDOT representatives are present to discuss the project and answer your questions. A comment sheet is included in this brochure and your input is encouraged. All written comments received on this project will be reviewed by the design team.

Project Overview



Purpose:

Reduce congestion, improve safety and operations

Project Length:

About 1.5 miles from Union Mill Road to Buckleys Gate Drive

Improvements:

Widen Route 29 from four to six through lanes, including shared-use paths along both sides of Route 29 to provide better bicyclist and pedestrian access to the trails at the Fairfax County Parkway/West Ox Road Interchange

Project Description

This project will widen about 1.5 miles of Route 29 (Lee Highway) from four to six lanes between Union Mill Road and Buckleys Gate Drive. It will relieve a major bottleneck during AM and PM peak hours, with lengthy backups occurring in particular at the signal for Stringfellow/Clifton roads (Route 645).

This project aims to reduce congestion, and improve safety, operations and access management. The project will also add and improve shared-use paths along both sides

of Route 29 to provide better bicyclist and pedestrian access to the trails at the Fairfax County Parkway/West Ox Road Interchange. In addition to the roadway widening, there will also be improvements to crosswalks at major intersections and modified signals to accommodate these new facilities.

Tonight's meeting is being held to obtain feedback from the community about the preliminary design.

Lee Highway Widening

Union Mill Road to Willow Road



Willow Road to Cruz Drive



Cruz Drive to Gunpowder Road



Estimated Project Cost

Engineering Design: **\$5.7 million**

Right of Way Acquisition/Utility Relocation: **\$26.1 million**

Construction: **\$54.1 million**

Total Cost: **\$85.9 million**

The project is being financed with local, state (including Smart Scale) funding and the I-66 concession fee.

Anticipated Schedule

Public Hearing
June 10, 2019

Comment Period Ends
June 20, 2019

Begin Right of Way Acquisition
Early 2020

Begin Construction
Late 2022

Civil Rights

VDOT 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 Ms. Hong Ha at 703-259-2907 or TTY/TDD 711.

Right of Way

Preliminary right of way impacts presented on the displays are conceptual in nature and may change as the design is refined. The property owners will be informed of the exact location of the easements during the right of way acquisition process and prior to construction.

Information about right of way purchase is discussed in VDOT's brochure, "Right of Way and Utilities: Guide for Property Owners and Tenants." Copies of this brochure are available here from VDOT personnel. After this meeting, information regarding right of way may be obtained from the right of way contact listed on the back of this brochure.

Environmental Review

In compliance with the National Environmental Policy Act (NEPA) and 23 CFR Parts 771 and 772, an environmental document in the form of a Categorical Exclusion (CE) has been prepared which includes a Preliminary Noise Analysis. Pursuant to the National Historic Preservation Act, Section 106 and 36 CFR 800, information concerning the potential effects of the proposed improvements on historic properties will be included in the CE. In accordance with 23 CFR 774, notice is given of the Federal Highway Administration's intent to issue a Section 4(f) de minimis impact finding with respect to the project's use of Willow Pond Park.



Design Public Hearing

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6:30 p.m. to 8:30 p.m.
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Virginia Department of Transportation
Potomac Conference Room
4975 Alliance Drive
Fairfax, VA 22030

COMMENT SHEET

State Project: 0029-029-350, P101, R201, C501, D612
UPC: 110329 Federal Project: NHPP-5A01(917)

All comments are subject to public disclosure.

Name (optional): _____

Address (optional): _____

Email (optional): _____

1. Which of the following applies to you? (Check all that apply)

- I live on Route 29. If so, where? _____
- I live in a neighborhood adjacent to Route 29: _____
- I commute on Route 29.
- Other: _____

2. Do you have concerns or comments related to the Route 29 widening project?

Yes _____ No _____

3. Please provide us with any additional information or suggestions that would assist in the completion of this project.

4. How did you hear about this meeting?

Newspaper Social Media Mailer Other:

Please leave this comment sheet at the designated location, mail your comments (postmarked by June 20, 2019) to the addressee on the reverse side, or email them to meetingcomments@vdot.virginia.gov. Please include "Route 29 Widening" in the email subject line.

Fold Line

Postal Service
will not
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a stamp

Ms. Hong "Jenny" Ha, P.E.
Virginia Department of Transportation
Northern Virginia District
4975 Alliance Drive
Fairfax, VA 22030

Fold Line





DESIGN PUBLIC HEARING

Route 29 Widening
Union Mill Road to Buckleys Gate Drive

June 10, 2019
6:30 to 8:30 p.m.

Presentation Agenda

- **Introduction**
 - Nick Roper, P.E., VDOT NOVA District Project Development Engineer
- **Project Overview**
 - Andy Beacher, P.E., VDOT Preliminary Engineering, Project Sponsor
- **Preliminary Design and Environmental**
 - John Giometti, P.E., Rinker Design Associates, Design Consultant
- **Noise Analysis**
 - LJ Muchenje, P.E., VDOT Environmental, Noise Abatement Coordinator
- **Right of Way**
 - Andy Beacher, P.E., VDOT Preliminary Engineering, Project Sponsor
- **Project Schedule and Cost Summary**
 - Andy Beacher, P.E., VDOT Preliminary Engineering, Project Sponsor

Project Overview

Roadway Widening & Reconstruction

- Additional through lanes in each direction (three lanes in each direction)

Intersection Improvements

- Centreville Farms Road & Union Mill Road
- Clifton Road & Stringfellow Road
- Meadow Estates Drive & Hampton Forest Way
- Buckleys Gate and Summit Drive

Proposed Shared Use Paths

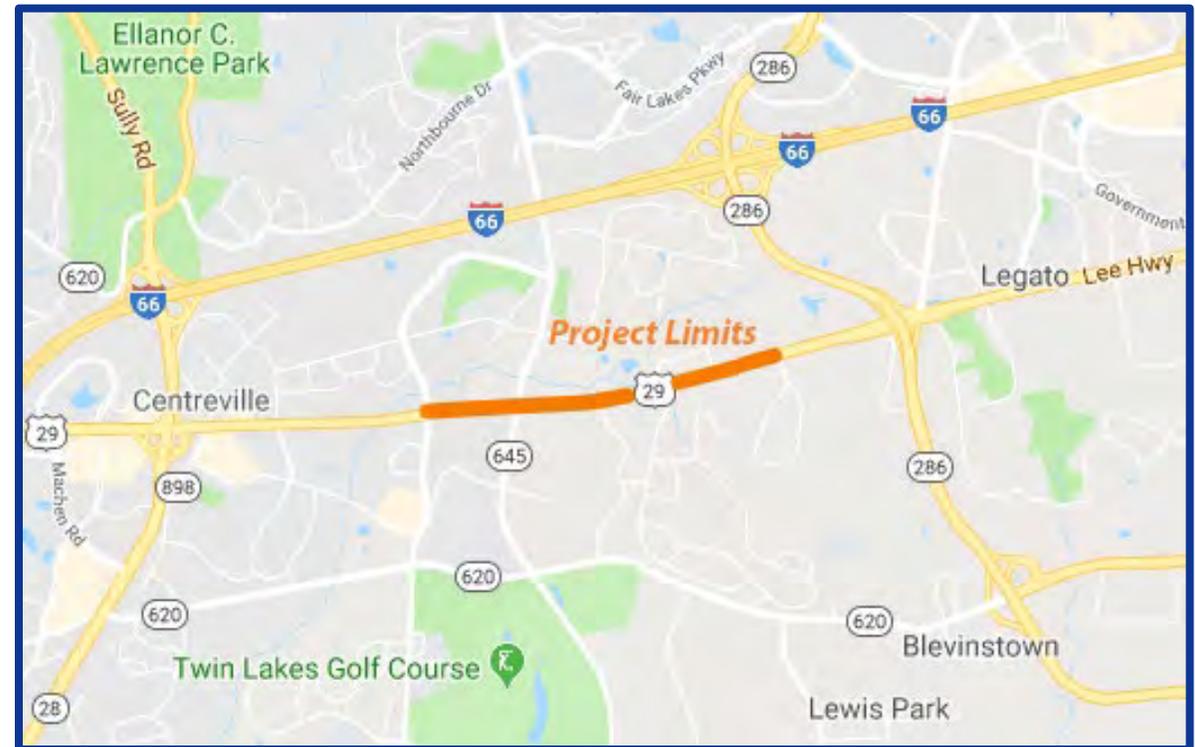
- Continuous 10' wide Shared Use Paths on both sides of Route 29

Access Management Strategies

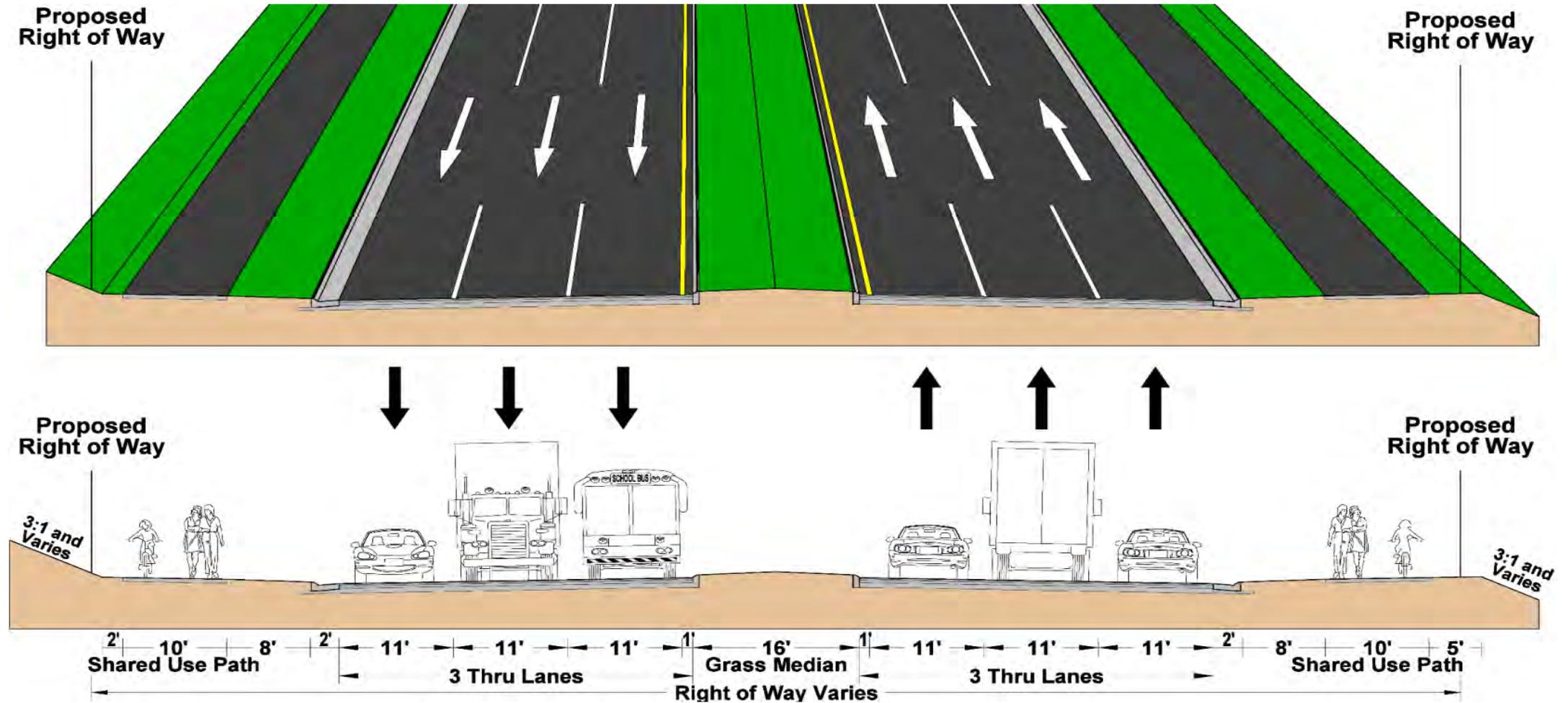
- Consolidated entrances
- Service Roads

Drainage Improvements

- Culvert replacement at Willow Spring Branch

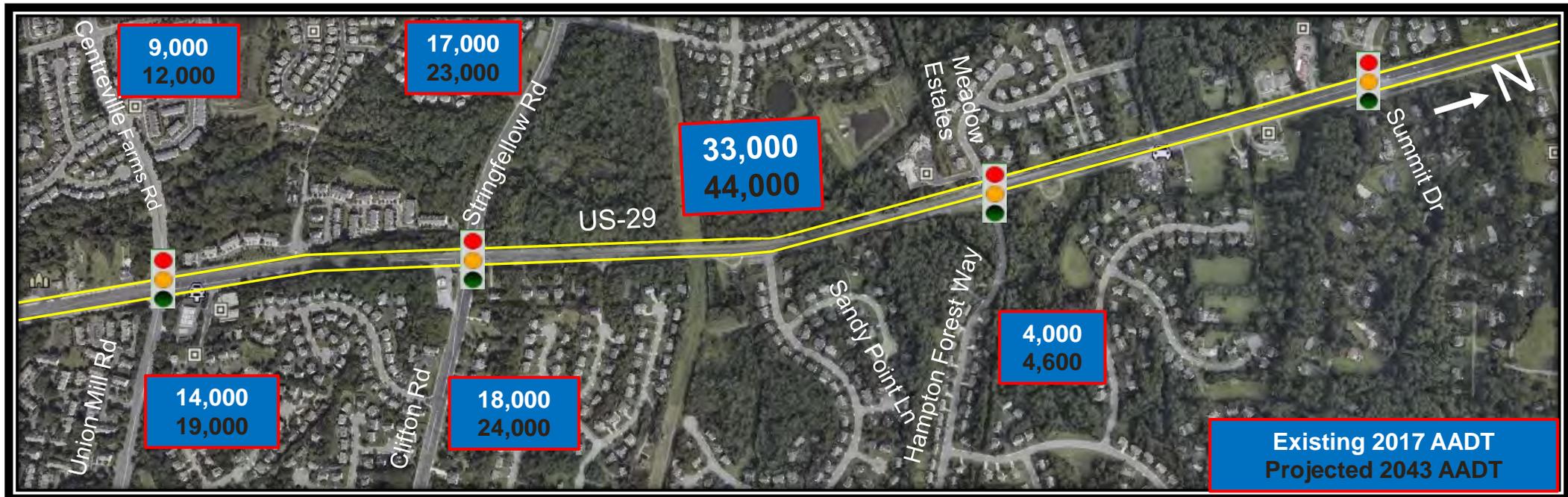


Typical Section

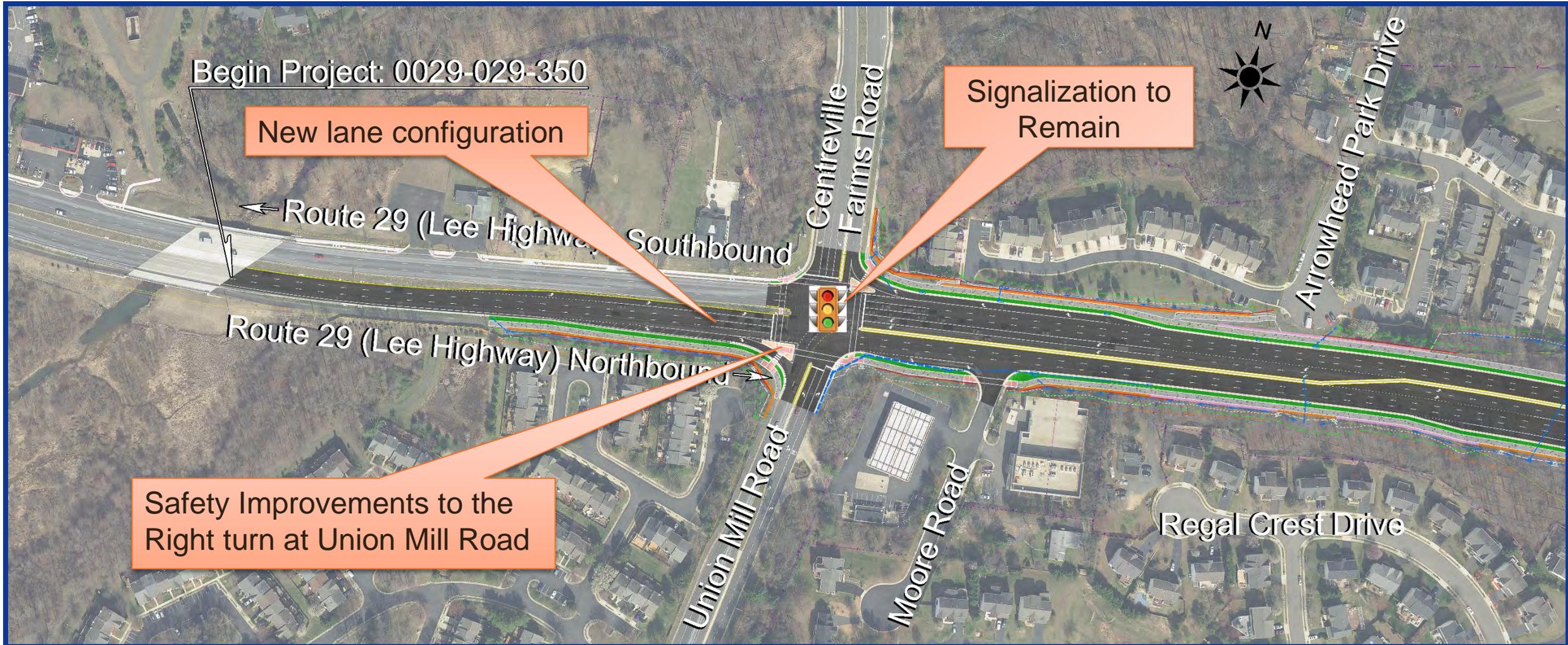


Route 29 – Traffic Volume

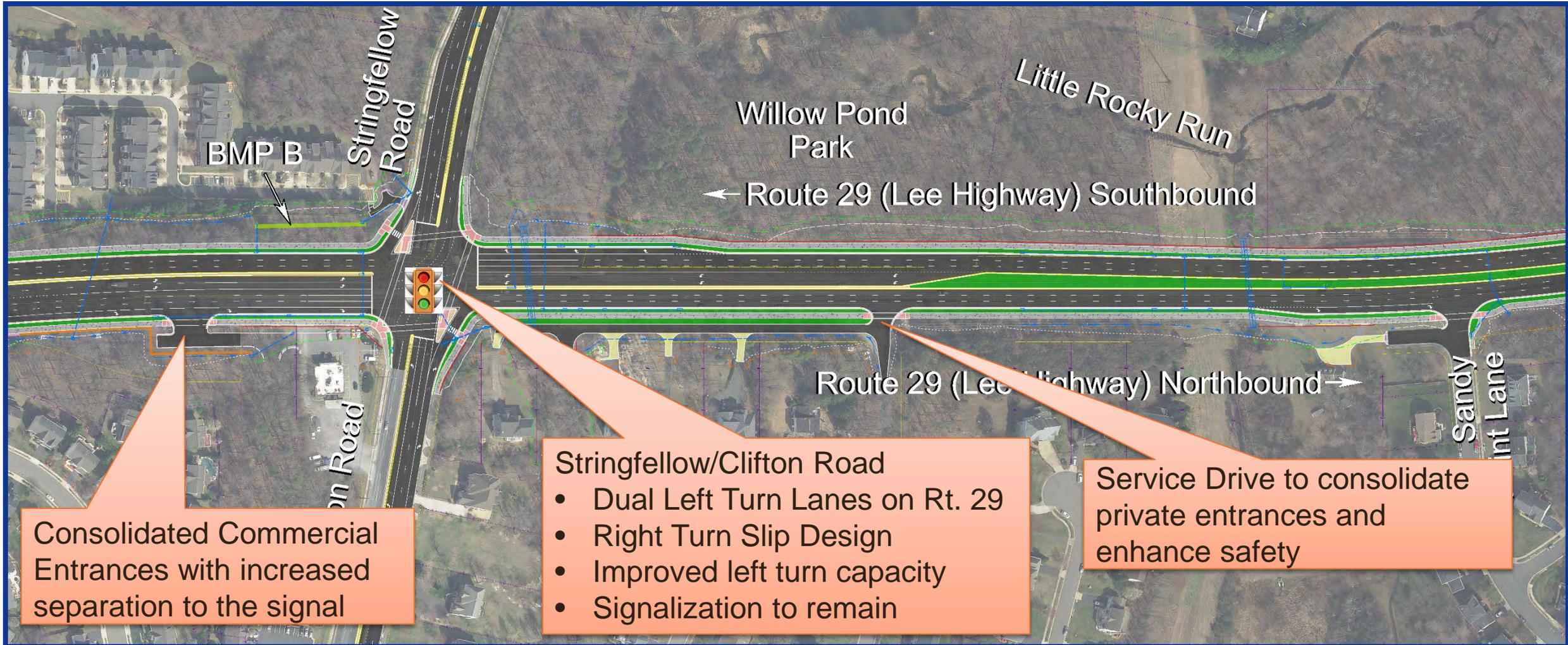
- Existing Volume on US 29 is 33,000 veh/day
- Between 2017 and 2043 traffic volume increases by 33% to 35%
- Future (2043) traffic volume on US 29 is 44,000 veh/day



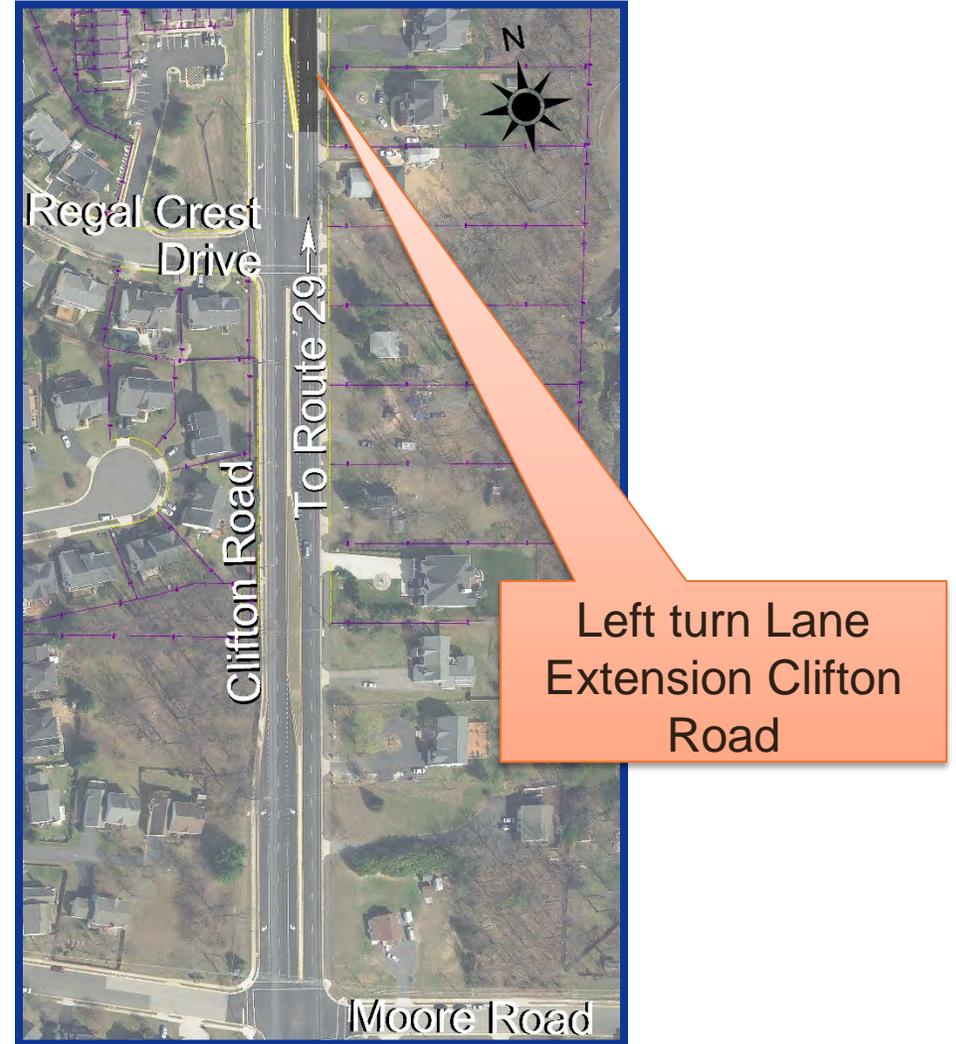
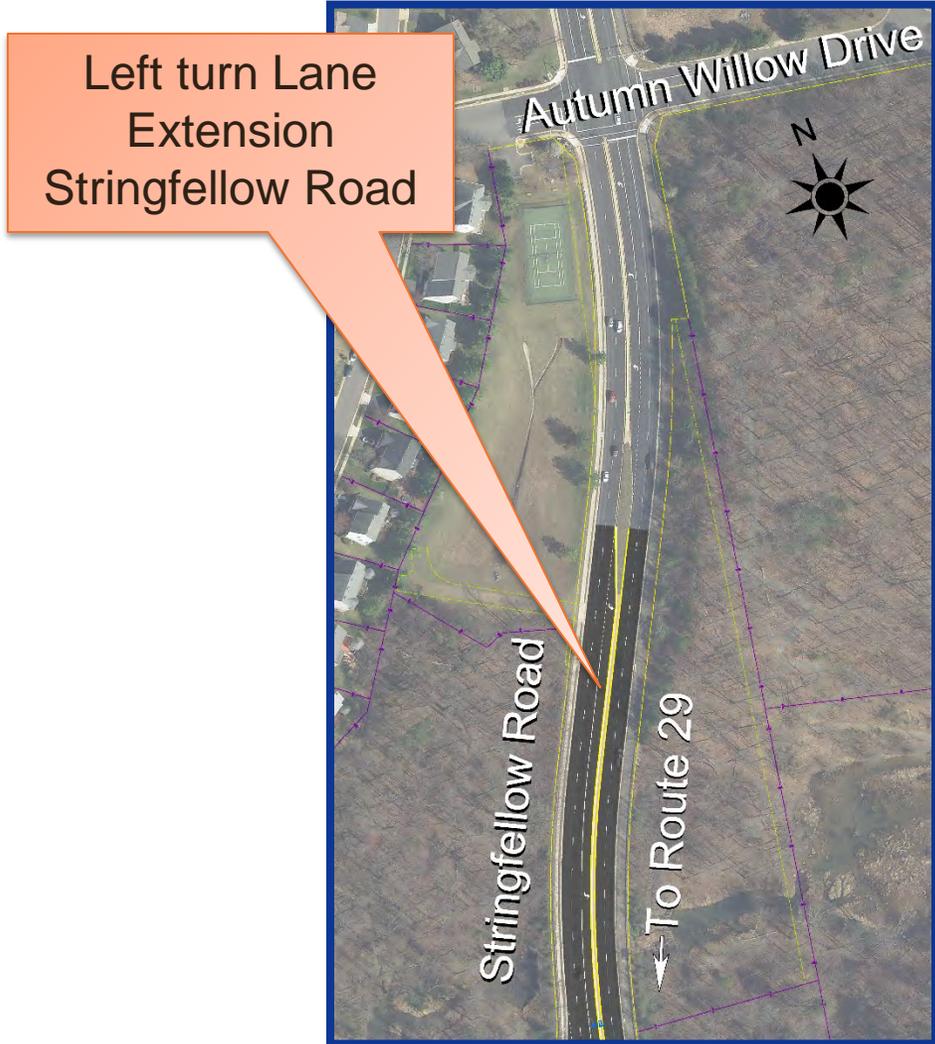
Preliminary Design



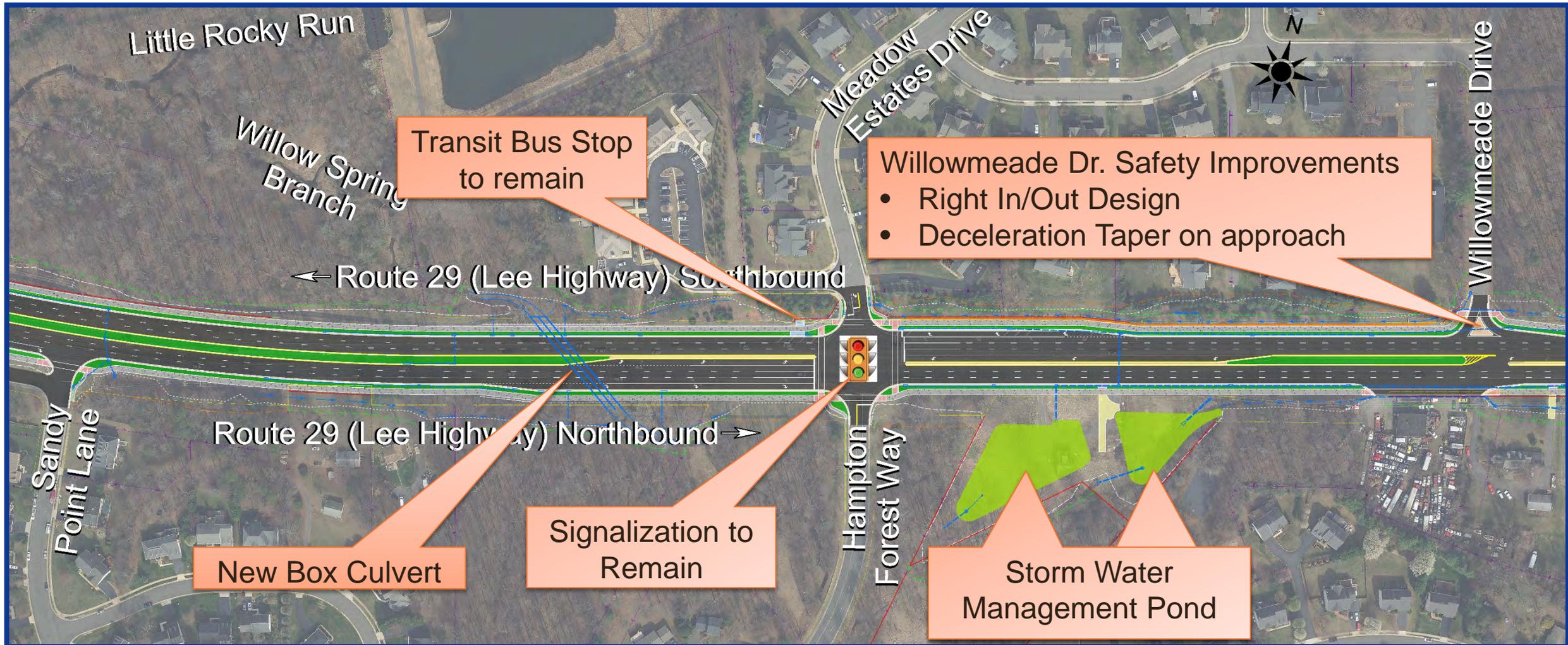
Preliminary Design



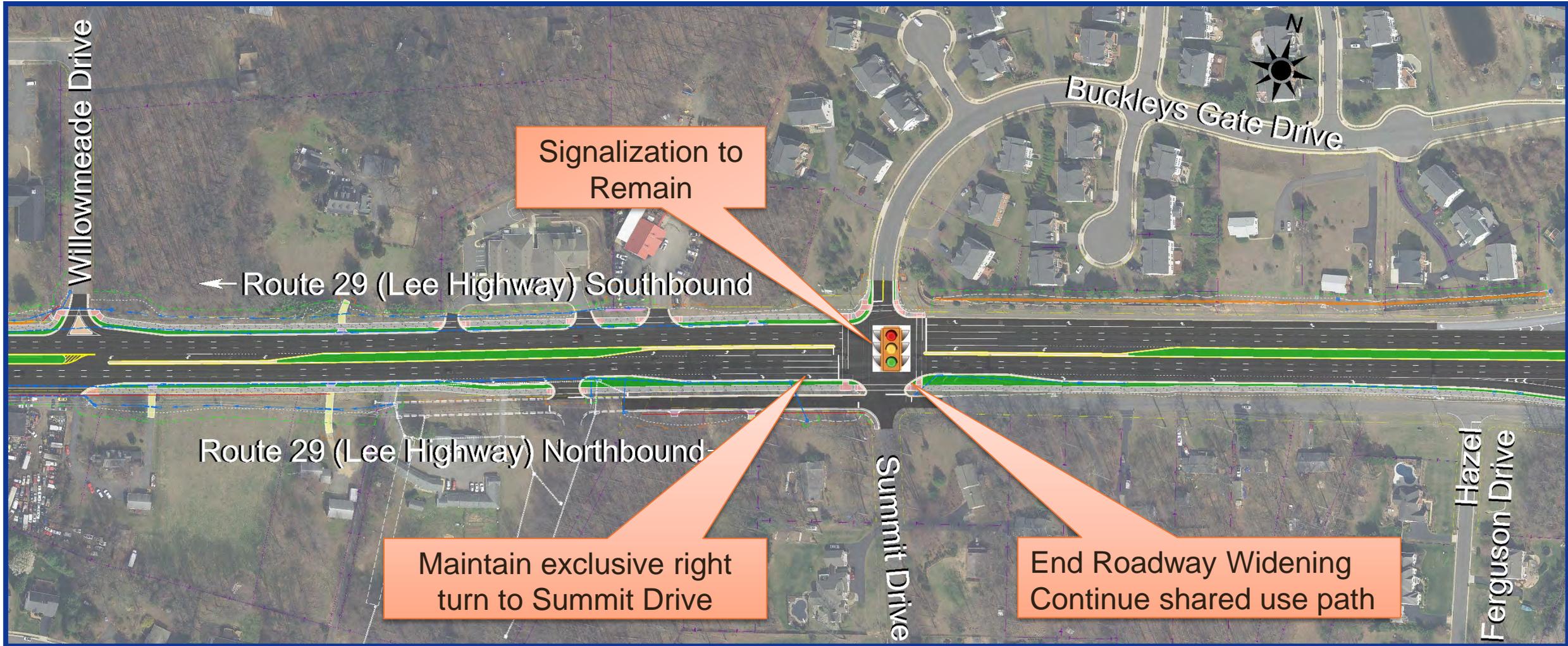
Preliminary Design



Preliminary Design



Preliminary Design



Preliminary Design



National Environmental Policy Act (NEPA) Primary Points of Focus

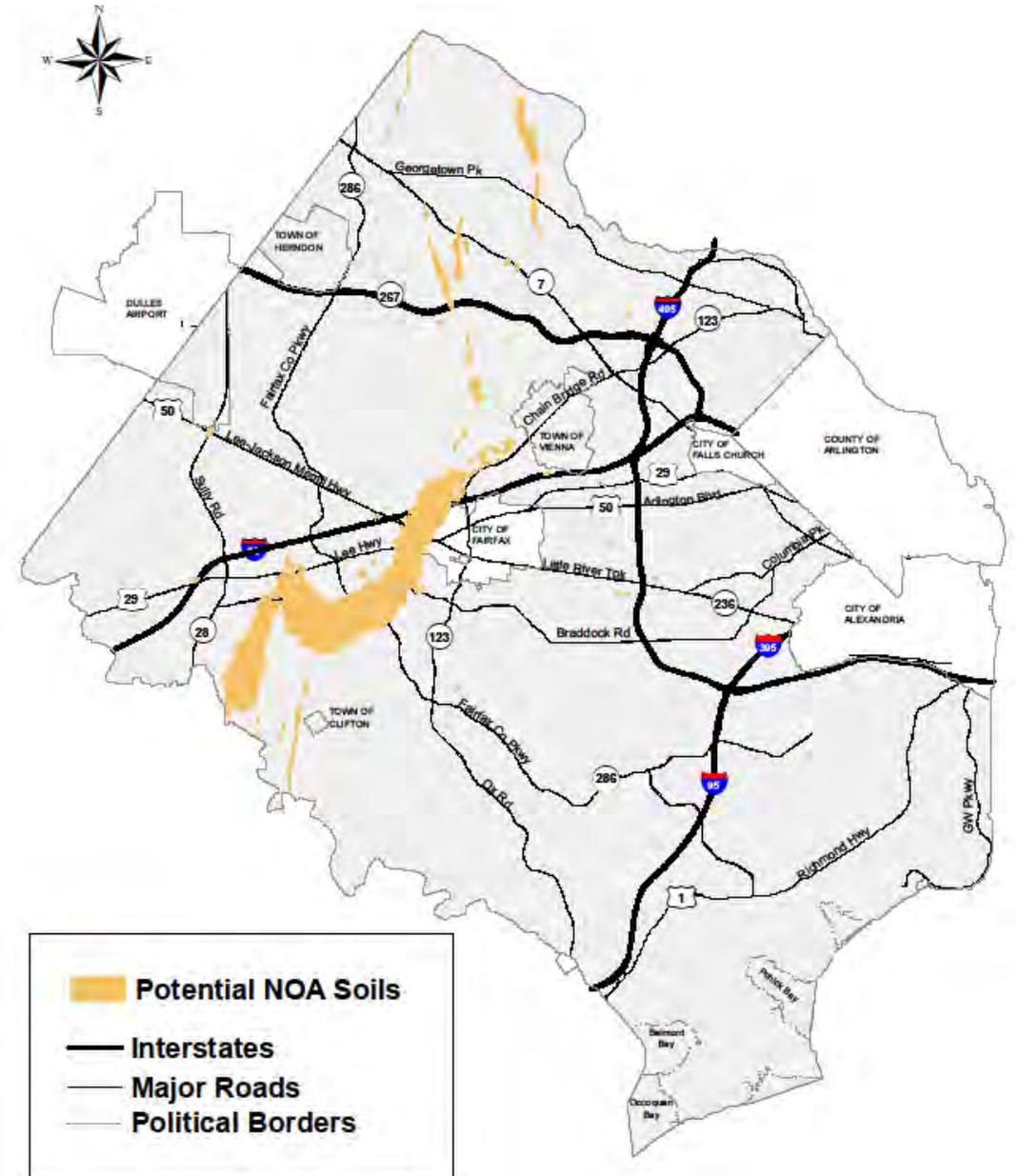
- **Noise Study (23 CFR 772)**
- **Air Study (40 CFR 93.116)**
- **Section 7 of Endangered Species Act**
- **Section 106 of National Historic Preservation Act**
- **Section 404, 401 of Clean Water Act**
- **Section 4(f) of Department of Transportation Act**
- **Section 6(f) - Land and Water Conservation Act**
- **Hazardous Materials (42 U.S.C. 9614)**

National Environmental Policy Act Document Levels

Programmatic Categorical Exclusion (PCE)	Minor to no Impacts	<p>A Categorical Exclusion (CE) was prepared for this project and approved for Public Availability by the Federal Highway Administration (FHWA) on May 20, 2019.</p> <p>Issues Covered:</p> <ul style="list-style-type: none"> • Impacts to Willow Springs Park – Section 4f • Impacts to streams – Clean Water Act & Army Corp of Engineers • Noise Impacts – Preliminary Noise Study • Accessibility for Residents – Environmental Justice
Categorical Exclusion (CE)	Impacts, with limited mitigation to lessen potential impacts	
Environmental Assessment (EA)	Mid level Document, with mitigation used to lessen Impacts	
Environmental Impact Statement (EIS)	Most complex Environmental Document with significant impacts	

Construction Safety in Areas of Naturally Occurring Asbestos

- Naturally occurring asbestos is found in areas of greenstone bedrock, the asbestos fibers are locked in the rock and separated from the surface by several feet of soil.
- Several borings were drilled in the Piney Branch Formation which is known to potentially contain naturally occurring asbestos.
- Air monitoring and tests for asbestos were conducted on samples. Both came back negative for the presence of asbestos fibers
- General Recommendations for Construction Safety:
 - 1) Develop a construction plan
 - 2) Keep the site moist to control dust
 - 3) Monitor the air
 - 4) Provide protection for your workers
 - 5) Properly dispose of asbestos-contaminated spoils and secure the site



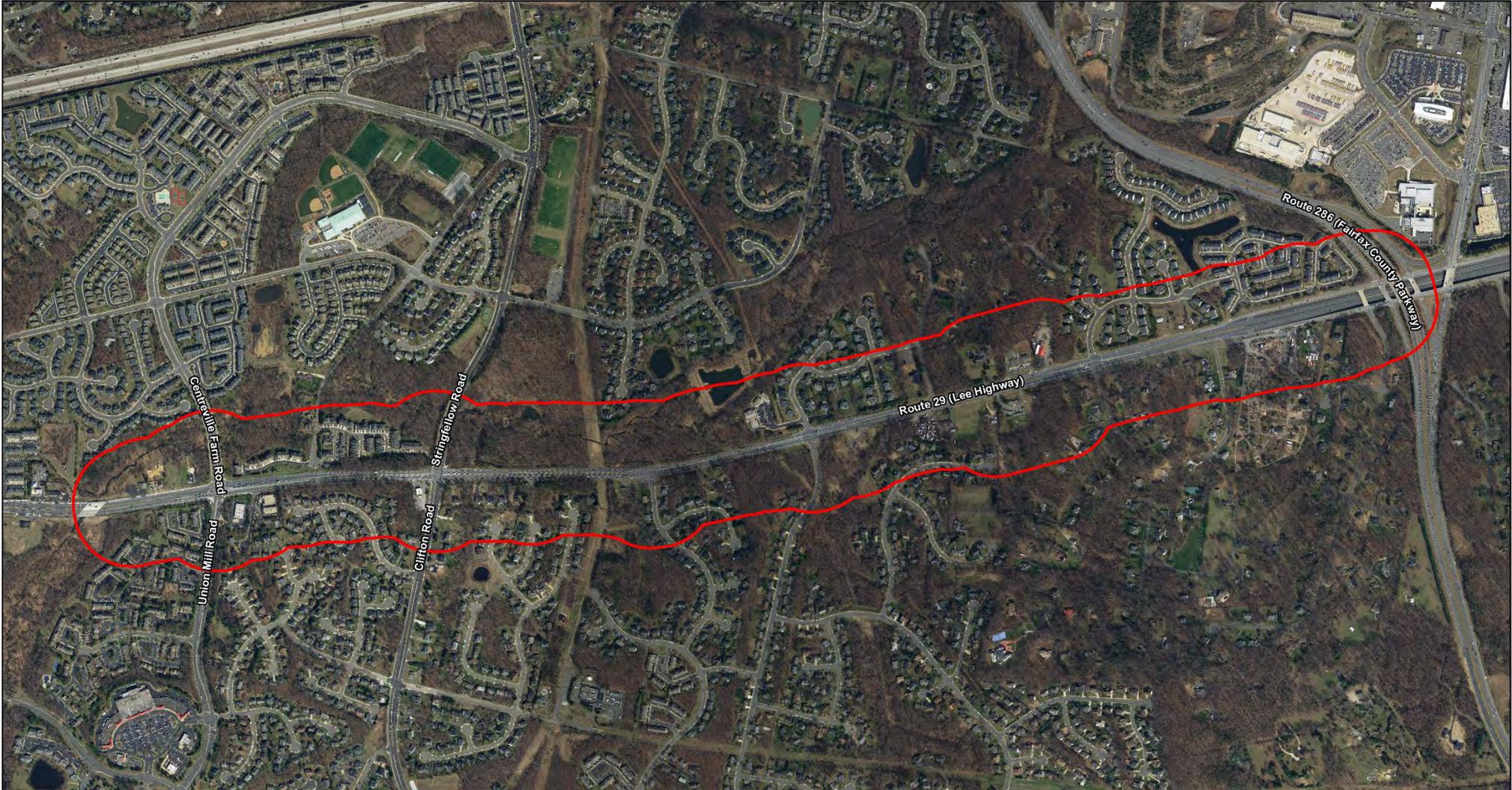
National Environmental Policy Act (NEPA) & Noise Analysis

As part of the environmental analysis the NEPA document, VDOT will conduct a preliminary noise impact assessment which will include:

- Identifying noise receptors (such as residences, schools, parks, etc.)
- Conducting noise monitoring in the field
- Conducting noise modeling
- Identifying anticipated impacts
- Designing and assessing mitigation under feasible & reasonable criteria
- Preparing and presenting noise study results and preliminary noise wall locations (if necessary) for further analysis during final design phase



National Environmental Policy Act (NEPA) & Noise Analysis



Noise Barriers

Warranted Criteria

- Are there noise impacts?

Feasibility Criteria

- Does it work acoustically?
 - At least 50% or more of the impacted receptors experience 5 dB(A) or more of noise reduction from a noise barrier;

AND

- Can it be constructed?
 - Factors related to engineering design and construction include; safety, barrier height, topography, drainage, utilities, and maintenance of the abatement measure, maintenance access to adjacent properties, and general access to adjacent properties.

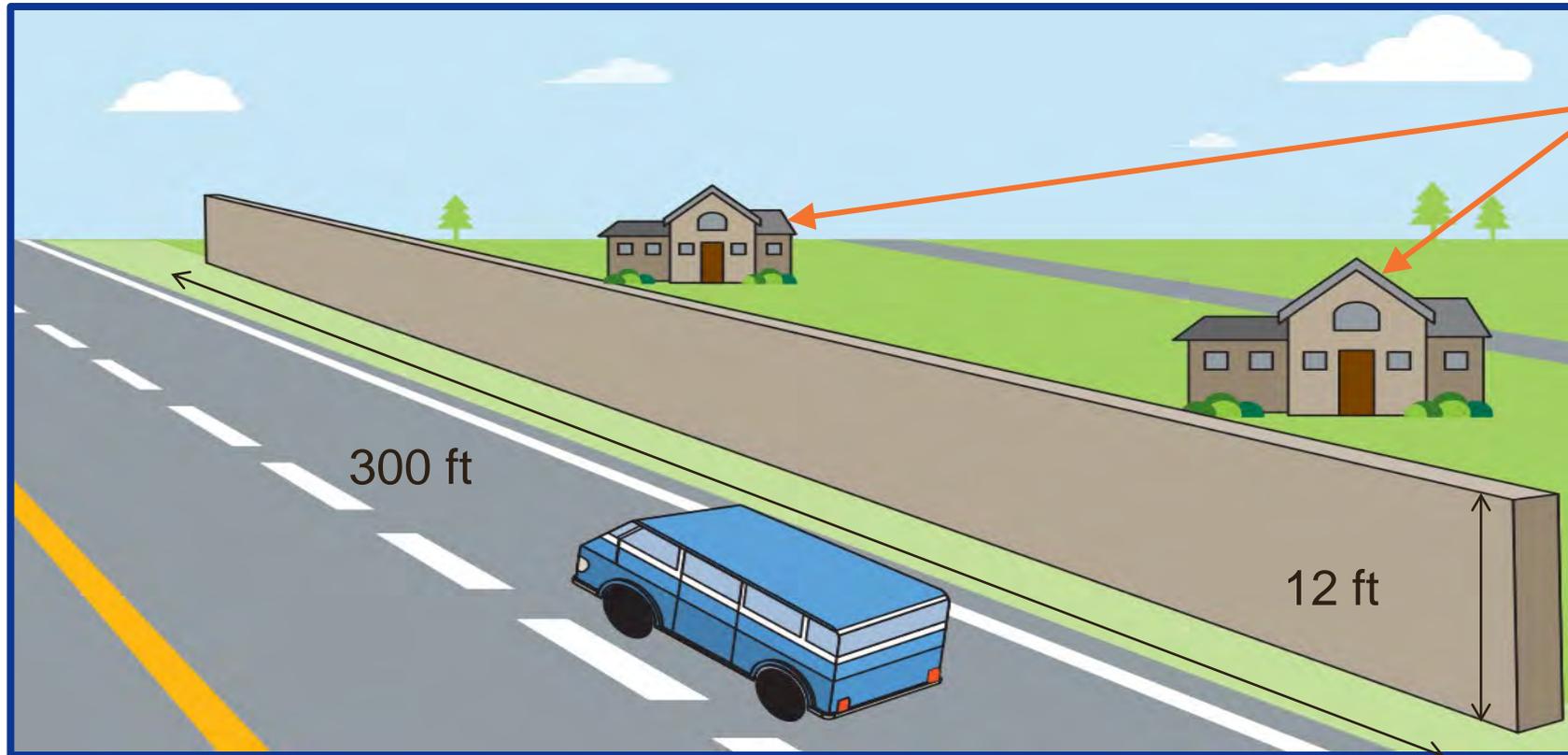
Noise Barriers

Reasonable Criteria

- **Cost-effectiveness:**
 - Maximum 1,600 square feet of noise barrier or less per benefited residence
- **Design goal**
 - 7 decibels of noise reduction for at least 1 impacted receptor
- **Viewpoints of the benefited receptors**
 - Democratic vote of the benefited receptors
 - 50% of the benefited respondents must favor construction
 - Partial mitigation may occur as a result of the vote



Noise Barriers – Not Reasonable

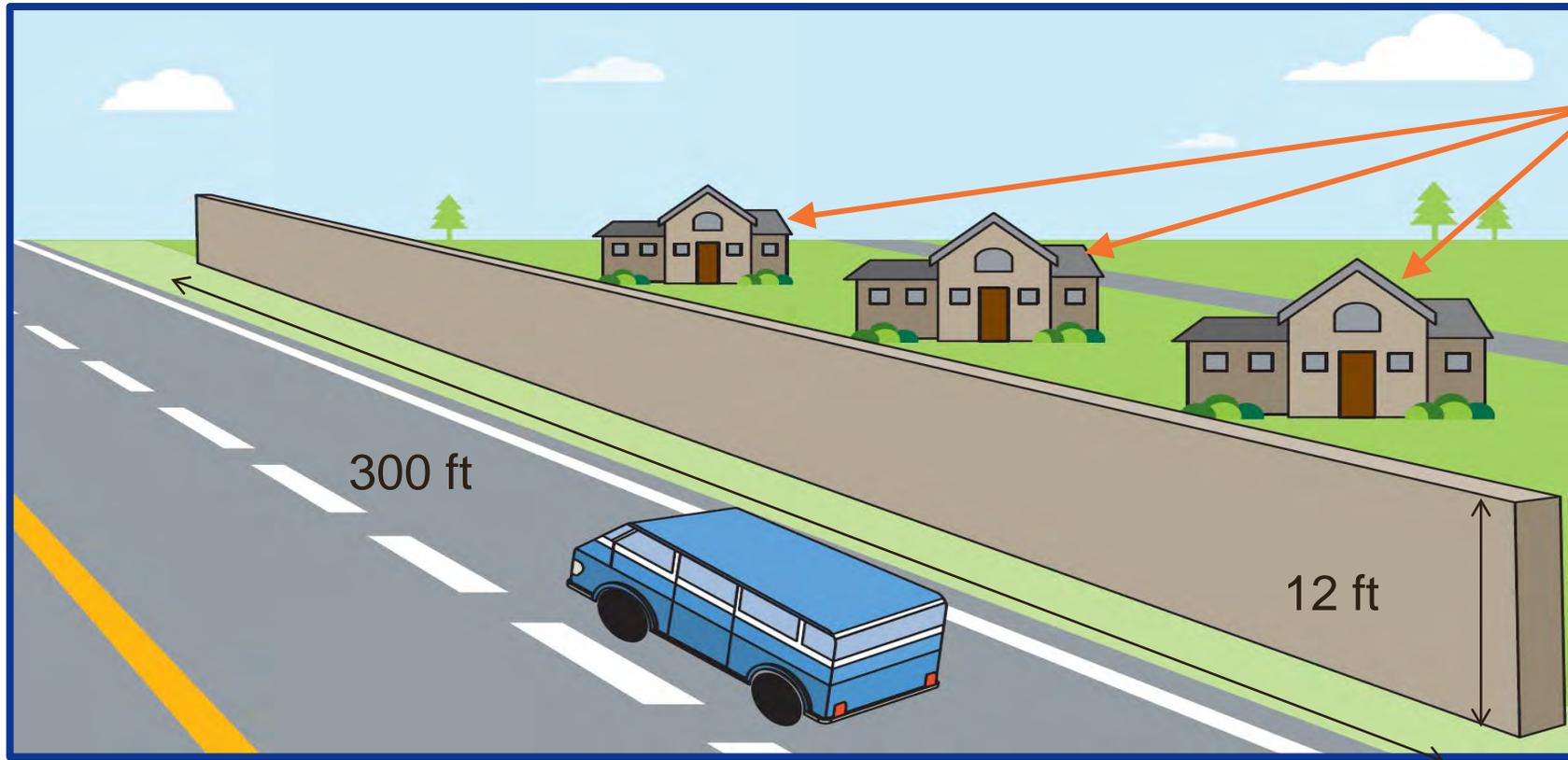


Benefitted Receptors (BR)

$$\text{Reasonableness} = \frac{300 \times 12}{2} = \frac{3,600}{2} = 1,800 \text{ SF/BR} > 1,600 \text{ SF/BR}$$

- Therefore, does not meet reasonableness cost-effective criteria

Noise Barriers - Reasonable



Benefitted Receptors (BR)

$$\text{Reasonableness} = \frac{300 \times 12}{3} = \frac{3,600}{3} = 1,200 \text{ SF/BR} < 1,600 \text{ SF/BR}$$

- Therefore, meets reasonableness cost-effective criteria

Right of Way (ROW)

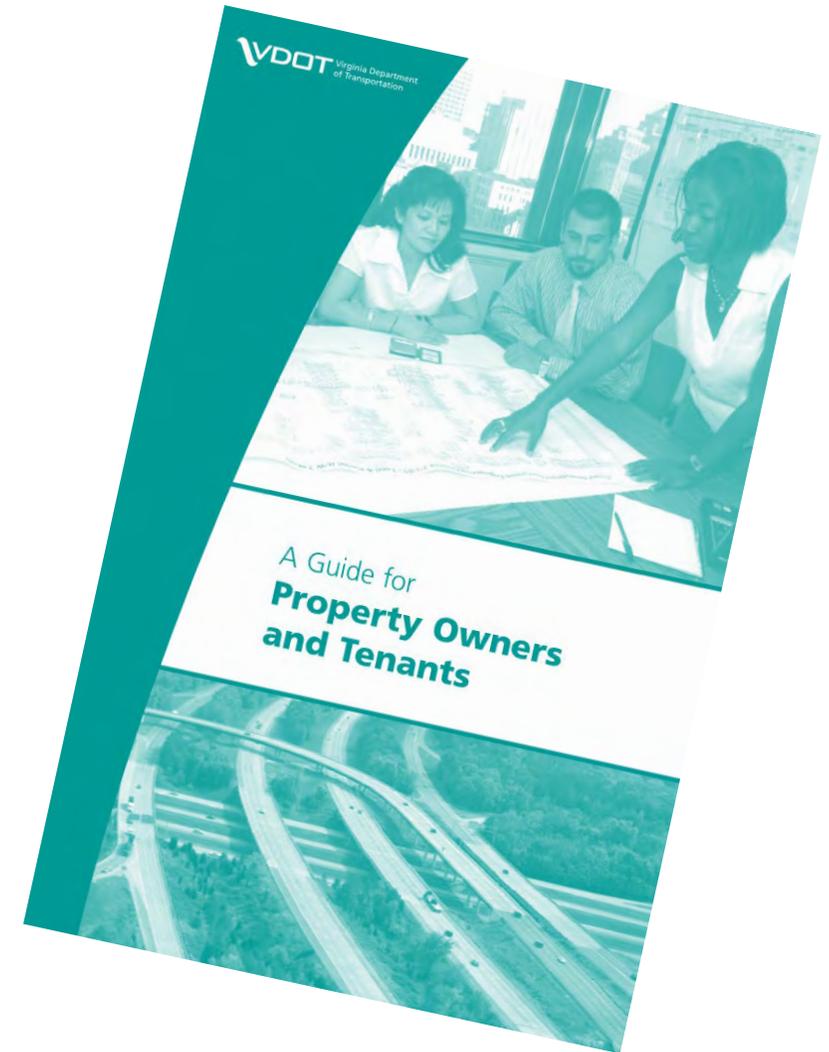
Each property impact is unique

Further design details are needed to determine full right of way impacts

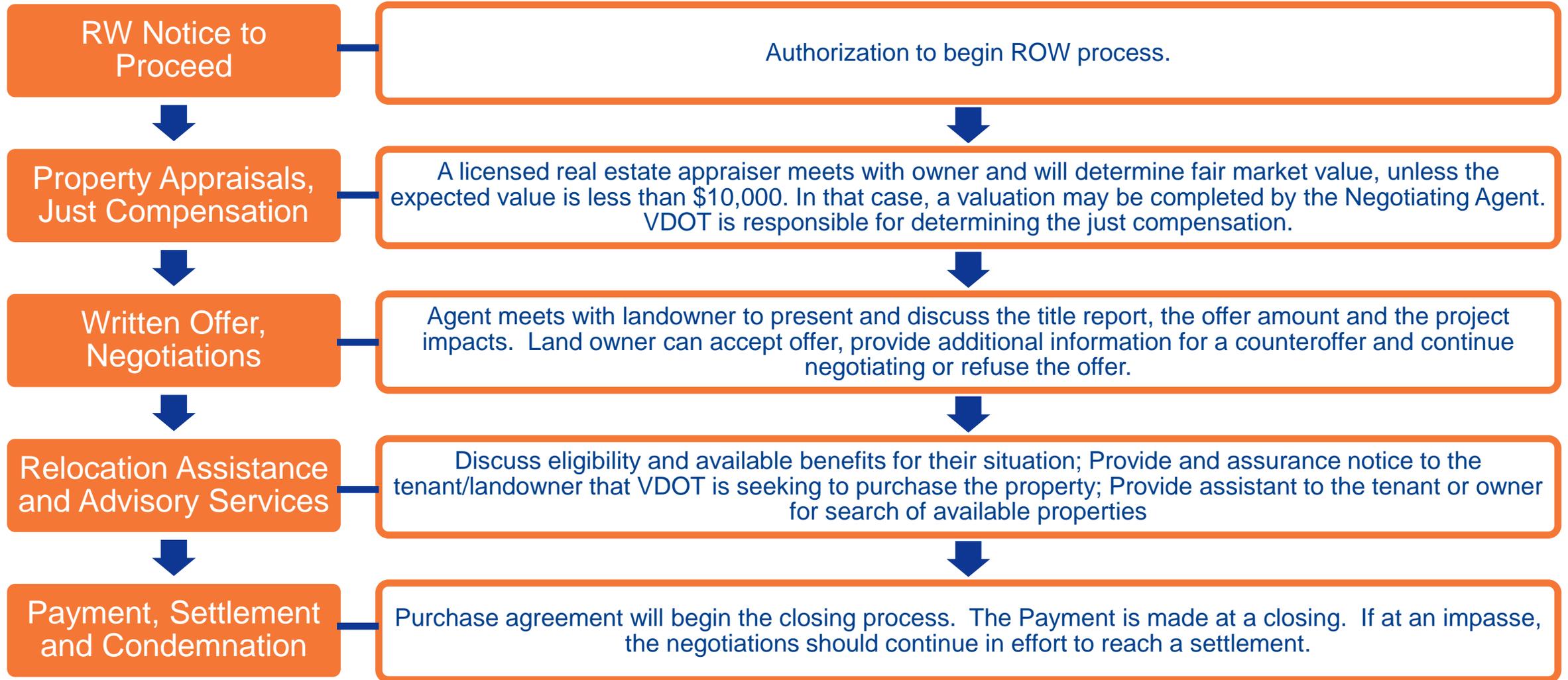
Right of way acquisition process to begin after detailed design – anticipated in early-2020

Meetings with individual property owners

Right of Way representatives are available tonight



Right of Way Process Overview



A Guide for Property Owners and Tenants

http://www.virginiaidot.org/business/resources/Right_of_way/A_Guide_for_Property_Owners_and_Tenants.pdf

Anticipated Project Schedule

Milestones	Dates
Preliminary Plans Developed	August 2018
Public Information Meeting	October 10, 2018
Public Hearing	June 10, 2019
Comment Period End	June 20, 2019
Right of Way Acquisition	Early 2020
Estimated Construction Start	Late 2022

Estimated Project Cost and Funding

Project Cost	
Preliminary Engineering	\$ 5.7 million
Right of Way/Utility Relocation	\$ 26.1 million
Construction	\$ 54.1 million
Total	\$ 85.9 million*

*Estimates are subject to change as project design progresses.

Project Funding			
Funding Source	Programmed Funding	Proposed Funding	Total
SMART SCALE	\$53,766,900	---	\$53,766,900
Concession Funds	\$10,333,778	---	\$10,333,778
Unallocated Concession Funds	---	\$3,366,819	\$3,366,819
Local	---	\$18,407,210	\$18,407,210
Totals	\$64,100,678	\$21,774,029	\$85,874,707

Questions?

- Staff will be available to answer questions at the display boards following a brief question and answer period.
- Contact information:

Hong Ha, P.E.	Andy Beacher, P.E.
Project Manager, VDOT Location & Design	Project Sponsor, VDOT Preliminary Engineering
4975 Alliance Drive, Fairfax, VA 2203	4975 Alliance Drive, Fairfax, VA 2203
Email: Hong.Ha@vdot.virginia.gov	Email: Andrew.Beacher@vdot.virginia.gov
Phone: 703-259-2907	Phone: 703-259-2239

- Email comments to:
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