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.

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

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.

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.

Contact Information

<table>
<thead>
<tr>
<th>Primary Contact:</th>
<th>Location &amp; Design</th>
<th>4975 Alliance Drive</th>
<th>703-259-2907</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hong &quot;Jenny&quot; Ha, P.E.</td>
<td>4975 Alliance Drive</td>
<td>Fairfax, VA 22030</td>
<td>703-259-2239</td>
</tr>
<tr>
<td><a href="mailto:andrew.beacher@vdot.virginia.gov">andrew.beacher@vdot.virginia.gov</a></td>
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<td>703-259-2986</td>
</tr>
<tr>
<td>Brian Costello</td>
<td>4975 Alliance Drive</td>
<td>Fairfax, VA 22030</td>
<td>703-259-1779</td>
</tr>
<tr>
<td><a href="mailto:brian.costello@vdot.virginia.gov">brian.costello@vdot.virginia.gov</a></td>
<td>Right of Way &amp; Utilities</td>
<td>4975 Alliance Drive Fairfax, VA 22030</td>
<td>703-259-1779</td>
</tr>
<tr>
<td>Jennifer McCord</td>
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<td>Fairfax, VA 22030</td>
<td>703-259-1779</td>
</tr>
<tr>
<td><a href="mailto:jennifer.mccord@vdot.virginia.gov">jennifer.mccord@vdot.virginia.gov</a></td>
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<td>703-259-1779</td>
</tr>
</tbody>
</table>

TTY/TDD Dial 711

© 2019 Commonwealth of Virginia
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.

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**Lee Highway Widening**

- Union Mill Road to Willow Road
- Willow Road to Cruz Drive
- Cruz Drive to Gunpowder Road

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**Project Description**

- 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.

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**Estimated Project Cost**

- Public Hearing
  - June 10, 2019
- Comment Period Ends
  - June 20, 2019
- Begin Right of Way Acquisition
  - Early 2020
- Begin Construction
  - Late 2022

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**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.

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**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.

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**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.
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.
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

Begin Project: 0029-029-350

New lane configuration

Signalization to Remain

Safety Improvements to the Right turn at Union Mill Road
Preliminary Design

Stringfellow/Clifton Road
- Dual Left Turn Lanes on Rt. 29
- Right Turn Slip Design
- Improved left turn capacity
- Signalization to remain

Service Drive to consolidate private entrances and enhance safety

Consolidated Commercial Entrances with increased separation to the signal
Preliminary Design

Left turn Lane Extension Stringfellow Road

Left turn Lane Extension Clifton Road
Preliminary Design

Willowmeade Dr. Safety Improvements
- Right In/Out Design
- Deceleration Taper on approach

Transit Bus Stop to remain

New Box Culvert

Signalization to remain

Storm Water Management Pond
Preliminary Design

- Maintain exclusive right turn to Summit Drive
- End Roadway Widening
- Continue shared use path
- Signalization to Remain

Route 29 (Lee Highway) Southbound

Route 29 (Lee Highway) Northbound

Willowmeade Drive

Buckleys Gate Drive

Ferguson Drive

Hazel Drive
Preliminary Design

- End Project: 0029-029-350
- End proposed shared use path at Gunpowder Road
- Proposed ramp diet

[Map with labeled sections]
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

<table>
<thead>
<tr>
<th>Document Type</th>
<th>Impact Description</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programmatic Categorical Exclusion (PCE)</td>
<td>Minor to no Impacts</td>
<td>A Categorical Exclusion (CE) was prepared for this project and approved for Public Availability by the Federal Highway Administration (FHWA) on May 20, 2019.</td>
</tr>
<tr>
<td>Categorical Exclusion (CE)</td>
<td>Impacts, with limited mitigation to lessen potential impacts</td>
<td>Issues Covered:</td>
</tr>
<tr>
<td>Environmental Assessment (EA)</td>
<td>Mid level Document, with mitigation used to lessen Impacts</td>
<td>• Impacts to Willow Springs Park – Section 4f</td>
</tr>
<tr>
<td>Environmental Impact Statement (EIS)</td>
<td>Most complex Environmental Document with significant impacts</td>
<td>• Impacts to streams – Clean Water Act &amp; Army Corp of Engineers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Noise Impacts – Preliminary Noise Study</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Accessibility for Residents – Environmental Justice</td>
</tr>
</tbody>
</table>
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

\[
\text{Reasonableness} = \frac{300 \times 12}{2} = \frac{3600}{2} = 1800\ \text{SF/BR} > 1600\ \text{SF/BR}
\]

- Therefore, does not meet reasonableness cost-effective criteria
Noise Barriers - Reasonable

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

- **RW Notice to Proceed**: Authorization to begin ROW process.
- **Property Appraisals, Just Compensation**: A licensed real estate appraiser meets with owner and will determine fair market value, unless the expected value is less than $10,000. In that case, a valuation may be completed by the Negotiating Agent. VDOT is responsible for determining the just compensation.
- **Written Offer, Negotiations**: Agent meets with landowner to present and discuss the title report, the offer amount and the project impacts. Land owner can accept offer, provide additional information for a counteroffer and continue negotiating or refuse the offer.
- **Relocation Assistance and Advisory Services**: Discuss eligibility and available benefits for their situation; Provide and assurance notice to the tenant/landowner that VDOT is seeking to purchase the property; Provide assistant to the tenant or owner for search of available properties.
- **Payment, Settlement and Condemnation**: Purchase agreement will begin the closing process. The Payment is made at a closing. If at an impasse, the negotiations should continue in effort to reach a settlement.

A Guide for Property Owners and Tenants
Anticipated Project Schedule

<table>
<thead>
<tr>
<th>Milestones</th>
<th>Dates</th>
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</thead>
<tbody>
<tr>
<td>Preliminary Plans Developed</td>
<td>August 2018</td>
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<tr>
<td>Public Information Meeting</td>
<td>October 10, 2018</td>
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<tr>
<td>Public Hearing</td>
<td>June 10, 2019</td>
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<tr>
<td>Comment Period End</td>
<td>June 20, 2019</td>
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<tr>
<td>Right of Way Acquisition</td>
<td>Early 2020</td>
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<tr>
<td>Estimated Construction Start</td>
<td>Late 2022</td>
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### Project Cost

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</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering</td>
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<td>$ 5.7 million</td>
</tr>
<tr>
<td>Right of Way/Utility Relocation</td>
<td></td>
<td>$ 26.1 million</td>
</tr>
<tr>
<td>Construction</td>
<td></td>
<td>$ 54.1 million</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$ 85.9 million*</td>
</tr>
</tbody>
</table>

*Estimates are subject to change as project design progresses.*

### Project Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Programmed Funding</th>
<th>Proposed Funding</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMART SCALE</td>
<td>$53,766,900</td>
<td>---</td>
<td>$53,766,900</td>
</tr>
<tr>
<td>Concession Funds</td>
<td>$10,333,778</td>
<td>---</td>
<td>$10,333,778</td>
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<tr>
<td>Unallocated Concession Funds</td>
<td>---</td>
<td>$3,366,819</td>
<td>$3,366,819</td>
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<tr>
<td>Local</td>
<td>---</td>
<td>$18,407,210</td>
<td>$18,407,210</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>$64,100,678</td>
<td>$21,774,029</td>
<td>$85,874,707</td>
</tr>
</tbody>
</table>
Questions?

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

<table>
<thead>
<tr>
<th>Hong Ha, P.E.</th>
<th>Andy Beacher, P.E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Manager, VDOT Location &amp; Design</td>
<td>Project Sponsor, VDOT Preliminary Engineering</td>
</tr>
<tr>
<td>4975 Alliance Drive, Fairfax, VA 2203</td>
<td>4975 Alliance Drive, Fairfax, VA 2203</td>
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<tr>
<td>Email: <a href="mailto:Hong.Ha@vdot.virginia.gov">Hong.Ha@vdot.virginia.gov</a></td>
<td>Email: <a href="mailto:Andrew.Beacher@vdot.virginia.gov">Andrew.Beacher@vdot.virginia.gov</a></td>
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<tr>
<td>Phone: 703-259-2907</td>
<td>Phone: 703-259-2239</td>
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</tbody>
</table>

- Email comments to:
  - Meetingcomments@vdot.virginia.gov
  - Please include “Route 29 Widening” in subject line
  - Comment period ends: June 20, 2019

- Project information for this meeting is available online at:
  - http://www.virginiadot.org/projects
  - VDOT’s Northern Virginia Office

Virginia Department of Transportation