



www.VirginiaDOT.org

Public Information Meeting

## Rollins Ford Road Corridor Study Prince William County

Thursday, May 23, 2019

6:30 p.m. to 8:30 p.m.

Presentation at 7 p.m.

Glenkirk Elementary School

584 Sedge Wren Drive

Gainesville, VA 20155

### Public Information Meeting

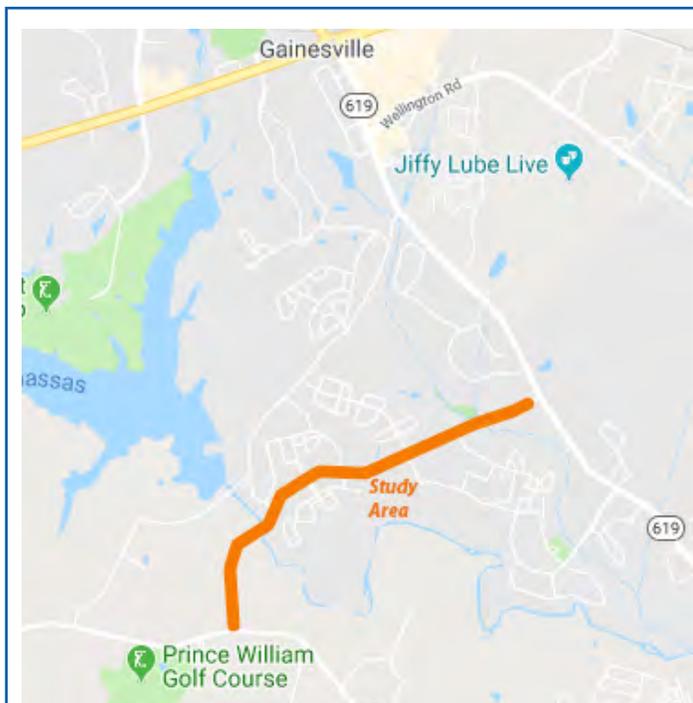
Welcome to the Virginia Department of Transportation's (VDOT) public information meeting on concepts being studied to enhance safety for drivers and pedestrians along two miles of Rollins Ford Road between Vint Hill Road (Route 215) and Linton Hall Road (Route 619).

This meeting is being held to provide an opportunity for citizens and organizations to give VDOT comments and/or suggestions on the study. 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 here to discuss the concepts being studied and answer your questions. We've included a comment sheet in this brochure and encourage your input. All written comments received on this study will be reviewed and the final concepts based on public input will be made available on the VDOT project website.

### Study at a Glance



**Purpose:** Assess potential safety enhancements for drivers and pedestrians.

**Lengths and Limits:** Two miles of Rollins Ford Road between Vint Hill Road (Route 215) and Linton Hall Road (Route 619).

**Phase:** Study

**Begin Date:** Underway

**Completion Date:** Mid 2019

**Cost:** \$98,000

## Study Overview

This study is assessing potential safety enhancements for drivers and pedestrians along two miles of Rollins Ford Road between Vint Hill Road (Route 215) and Linton Hall Road (Route 619).

Currently, this segment of Rollins Ford Road has six unsignalized pedestrian crossings. The corridor has seen an increase in crashes since the segment was completed in 2014.

The concepts being studied include:

- Additional pedestrian signage at existing crosswalks
- Partial lane reduction
- Intersection roundabouts
- Restricted crossing u-turns

## 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 Mr. Rahul Trivedi at 703-259-2308 or TTY/TDD 711.

## Get Involved

VDOT will review and evaluate any information received as a result of the public information meeting. The comment sheet and brochure is provided to assist in making your comments. 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 **May 28, 2019**. Mail comments to Rahul Trivedi at the address below or email [meetingcomments@vdot.virginia.gov](mailto:meetingcomments@vdot.virginia.gov).

## Environmental Review

No environmental impacts have been identified as part of this study. VDOT will coordinate the appropriate federal, state and local agencies as part of the environmental review and approval process required as part of a future project design development.

## Right of Way

Preliminary study concepts presented on the displays are conceptual and may change as the study and concepts are refined. Property owners would be informed of the exact location of any easements during the right of way acquisition process and prior to construction if projects should be developed as a result of this study.

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 also available online at: [www.virginiadot.org/business/row-default.asp](http://www.virginiadot.org/business/row-default.asp).

## Contact Information

**Primary Contact:**  
**Rahul Trivedi**

Planning

4975 Alliance Drive  
Fairfax, VA 22030

703-259-2308



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## COMMENT SHEET

**All comments are subject to public disclosure.**

Name (optional): \_\_\_\_\_

Address (optional): \_\_\_\_\_

Email (optional): \_\_\_\_\_

1. What concept(s) do you support and why?

2. What are your major concerns that you would like to see incorporated into this study?

3. Please provide us with any additional information or suggestions that will assist VDOT in developing the final concepts of this study.

4. How did you hear about this meeting?

\_\_\_\_\_ Newspaper \_\_\_\_\_ Social Media \_\_\_\_\_ Website \_\_\_\_\_ Other \_\_\_\_\_

Please leave this comment sheet at the designated location, mail your comments (postmarked by May 28, 2019) to the addressee on the reverse side, or email them to [meetingcomments@vdot.virginia.gov](mailto:meetingcomments@vdot.virginia.gov). Please include "Rollins Ford Corridor Study" in the email subject line.

Fold Line

Postal Service  
will not  
deliver without  
a stamp

Virginia Department of Transportation  
Northern Virginia District  
Mr. Rahul Trivedi, P.E.  
4975 Alliance Drive  
Fairfax, VA 22030

Fold Line

A wide-angle photograph of a multi-lane road under construction. The road surface is dark asphalt with white lane markings. In the distance, there are construction vehicles and workers. The sky is overcast and grey. On the right side, there are residential houses and trees. A semi-transparent white box is overlaid on the center of the image, containing the title and subtitle text.

# ROLLINS FORD ROAD CORRIDOR STUDY

Public Involvement Briefing

Jon Crisafi, PE, Kittelson & Associates, Inc.

May 23, 2019

# Agenda

1. Current Issues
2. Data Findings
3. Concept Development



# 1. Current Issues/Challenges

## Issues/challenges raised by residents

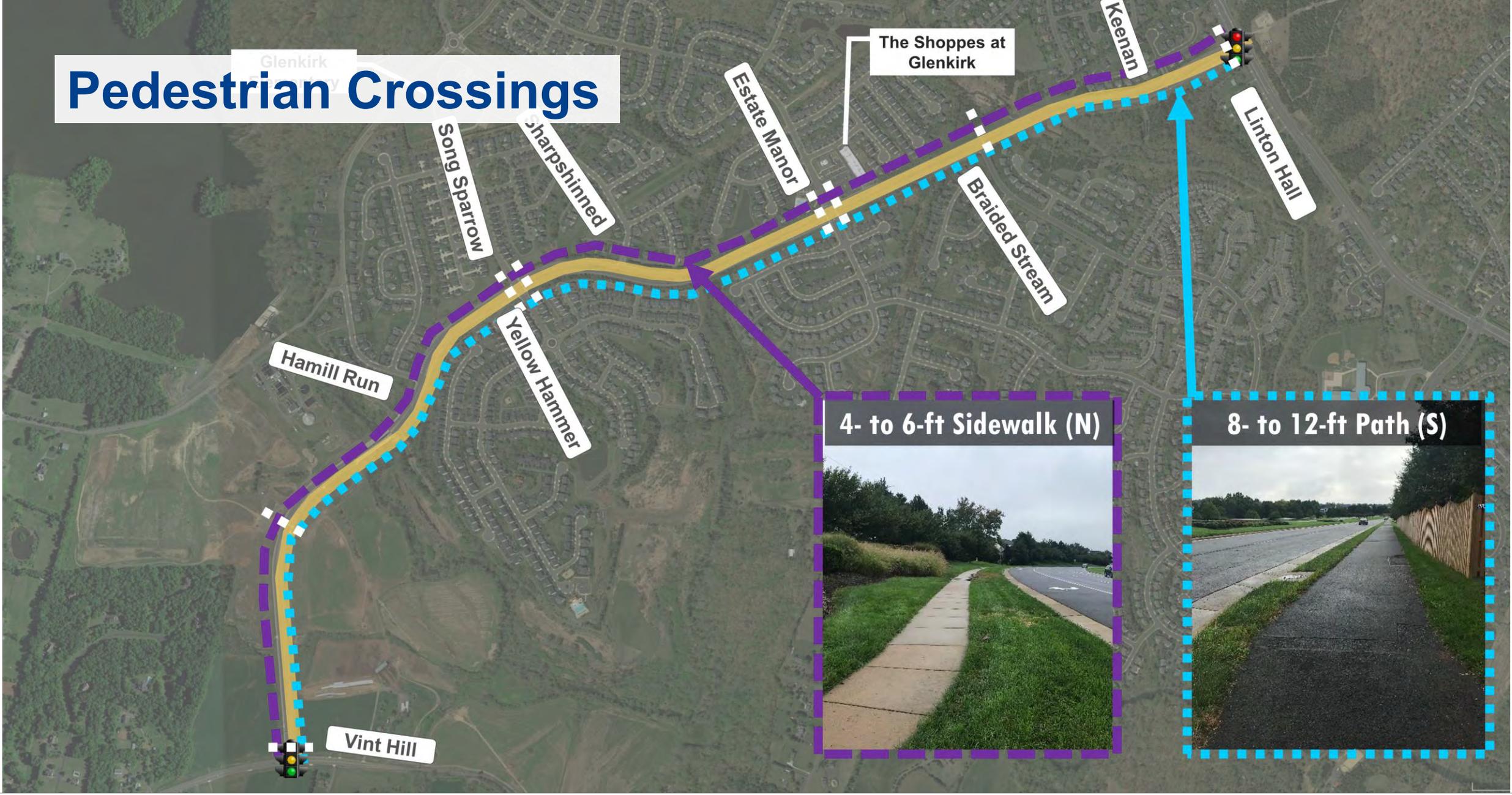
Concerns about pedestrian crossings

Challenging turning movements

Overall safety issues



# Pedestrian Crossings



4- to 6-ft Sidewalk (N)



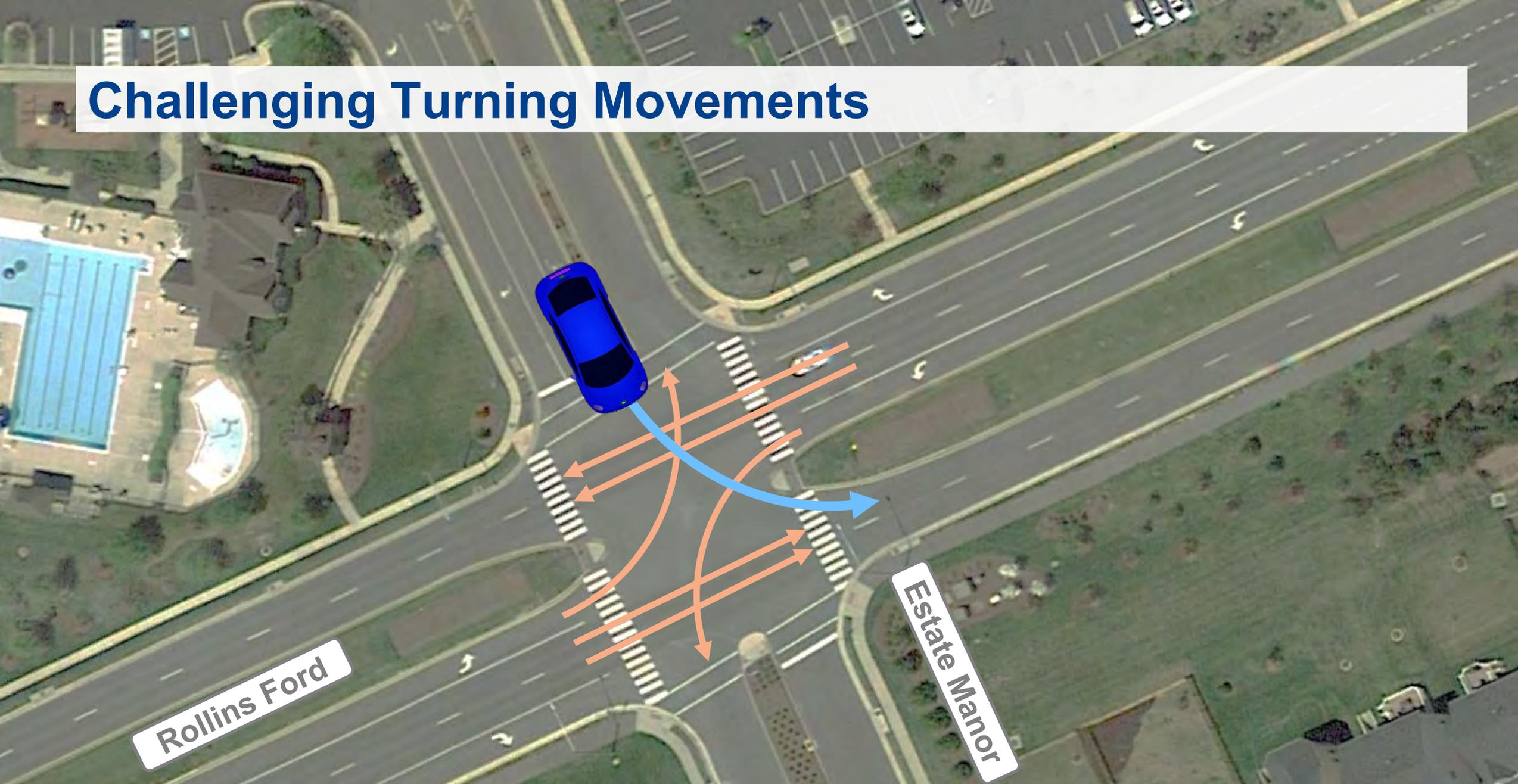
8- to 12-ft Path (S)



# Pedestrian Crossings



# Challenging Turning Movements



# Challenging Turning Movements



# Challenging Turning Movements



## 2. Data Findings

Traffic Operations (Speeds)

Safety

Qualitative Review



# Speeds are high... why?

Open clear zones

Gentle curves

Low traffic volumes

No stops between  
Vint Hill/Linton Hall

No signals warranted



# Safety – Crash Data, July 2014 – Nov 2018

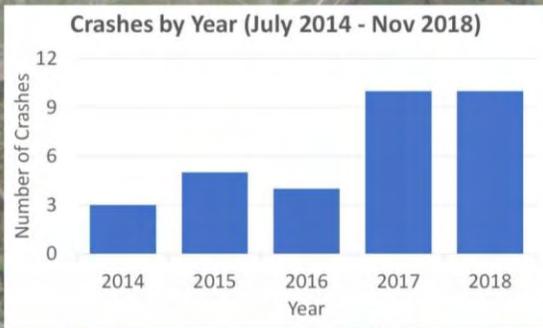
Song Sparrow/Yellow Hammer (8 Crashes)



Estate Manor (9 Crashes)



Braided Stream (8 Crashes)



Crashes (July 2014 - November 2018)

Injury		PDO		Fatal	
	Angle (9)		Rear End (3)		Head On (1)
	Fixed Object (1)		Deer (2)		Sideswipe (1)
	Other (1)		Angle (10)		Fixed Object (4)
			Non-Collision (1)		Angle (1)

# Safety – Crash Data

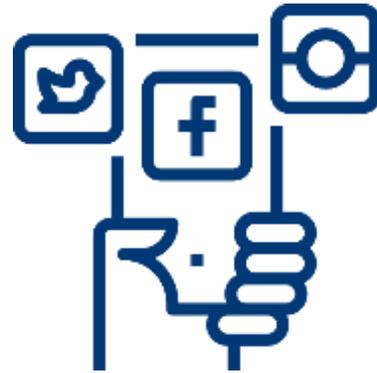
## Driver Behaviors/Non-Roadway Conditions



4%



11%



11%



0%



19%



## What are challenges?

Speeding

Large unsignalized intersections

Difficult pedestrian crossings

## What are not challenges?

Traffic congestion

# 3. Concepts Development

## Recent VDOT Improvements

### New Concepts:

Short-Term	Long-Term
Pedestrian Crossing Enhancements	Restricted Crossing U-Turn (RCUT)
Partial Lane Reduction	Roundabout



# Recent VDOT Improvements



# Pedestrian Crossing Enhancements Concept

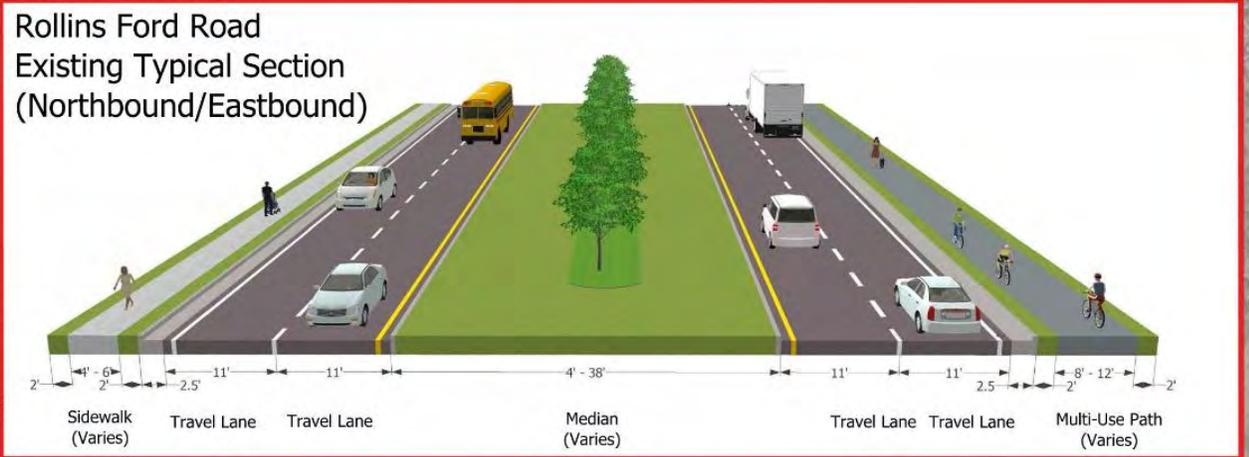
Curb extensions and approach reconfiguration



**Speed Feedback Sign Installation Note**  
Any and all speed feedback sign installations need to be installed by the locality under VDOT permit for installation and maintenance purposes.

Install Speed Feedback Signage

Legend	
	Existing Crosswalk
	Existing Pedestrian Sign
	Existing School Flasher
	Existing No U-turn Sign
	Existing Oversized STOP Signs
	Typical Section Extent
	Proposed Intersection Treatment
	Proposed: Pedestrian Advanced Warning Flasher
	Proposed: Detection and Warning Flasher





# Partial Lane Reduction Concept

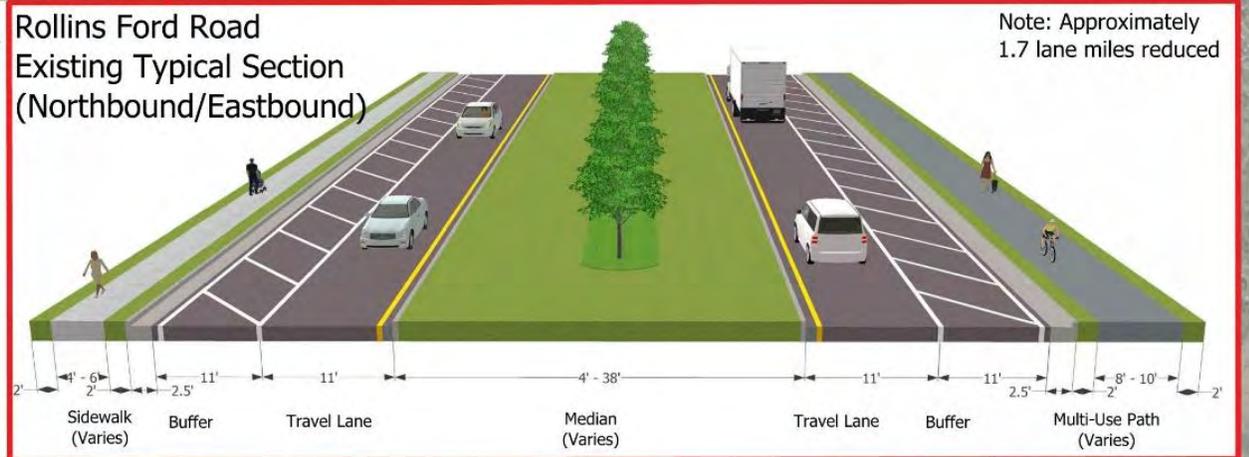
Curb extensions, approach reconfiguration, sight distance improvements



**Speed Feedback Sign Installation Note**  
Any and all speed feedback sign installations need to be installed by the locality under VDOT permit for installation and maintenance purposes.

**Legend**

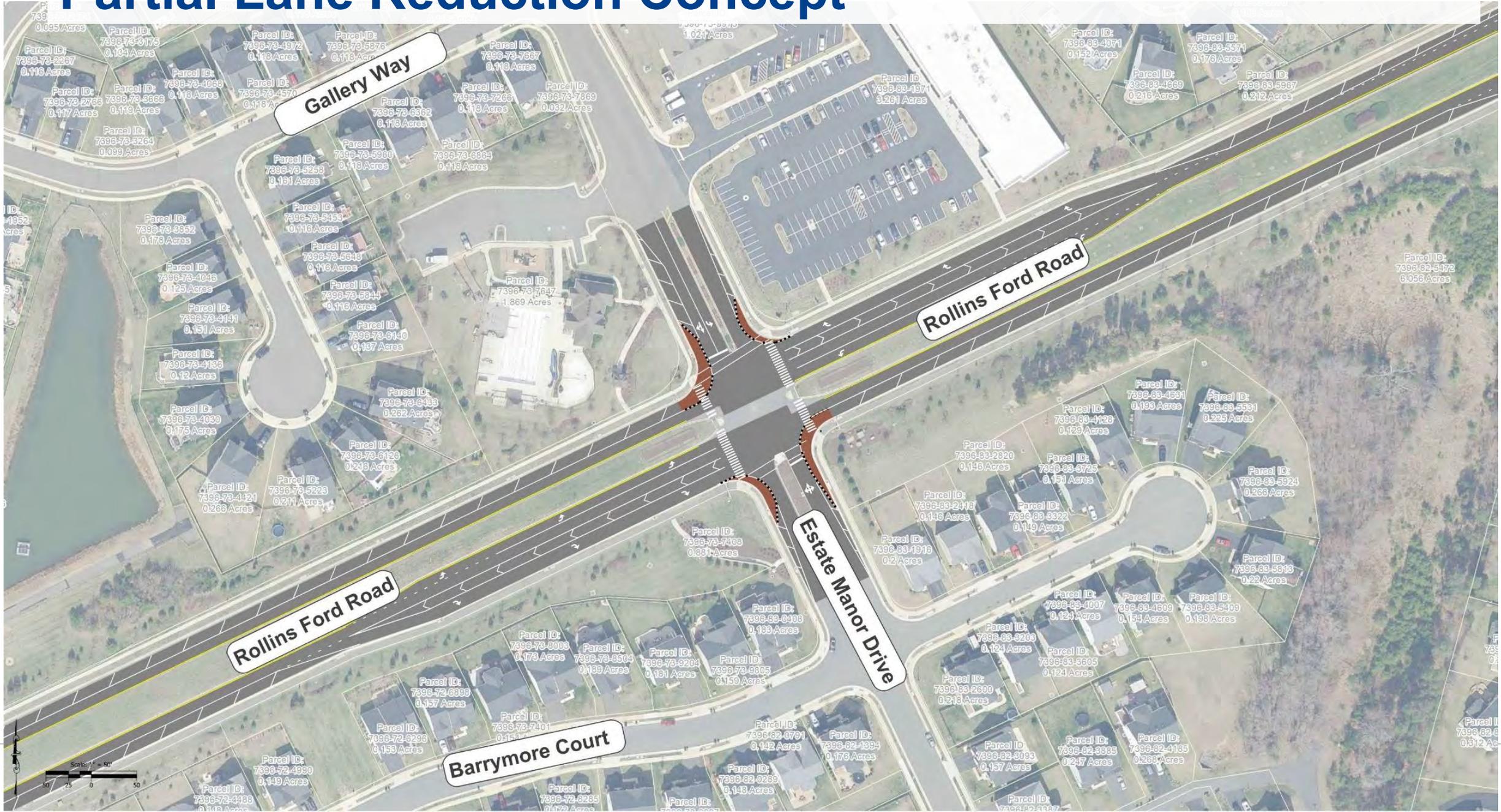
- Existing Crosswalk
- Existing Pedestrian Sign
- Existing School Flasher
- Existing No U-turn Sign
- Existing Oversized STOP Signs
- Typical Section Extent
- Proposed Intersection Treatment
- Proposed: Pedestrian Advanced Warning Flasher



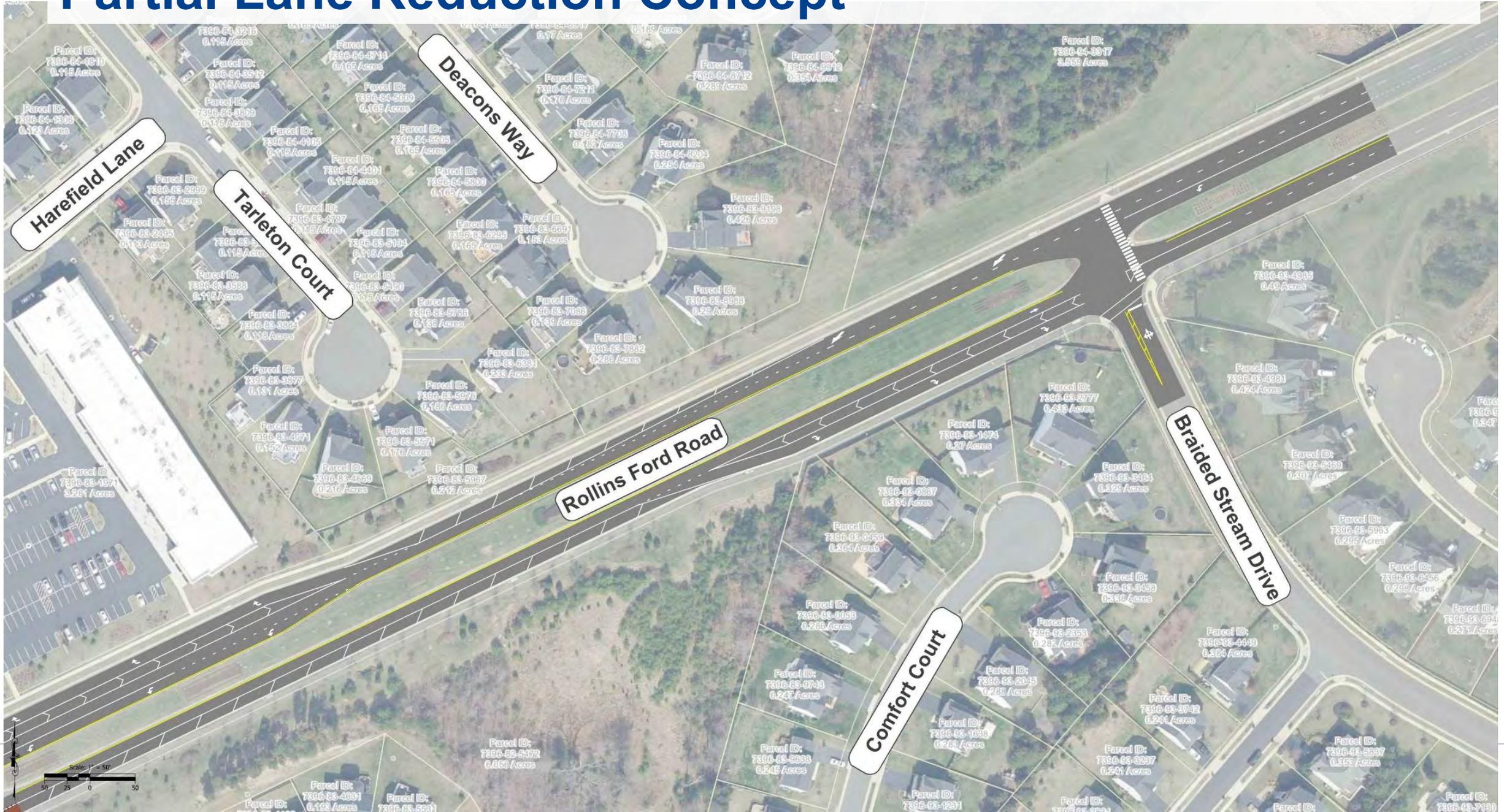
Vint Hill



# Partial Lane Reduction Concept



# Partial Lane Reduction Concept



# Innovative Intersection RCUT Concept

RCUT Intersection Implementation



**Speed Feedback Sign Installation Note**  
Any and all speed feedback sign installations need to be installed by the locality under VDOT permit for installation and maintenance purposes.

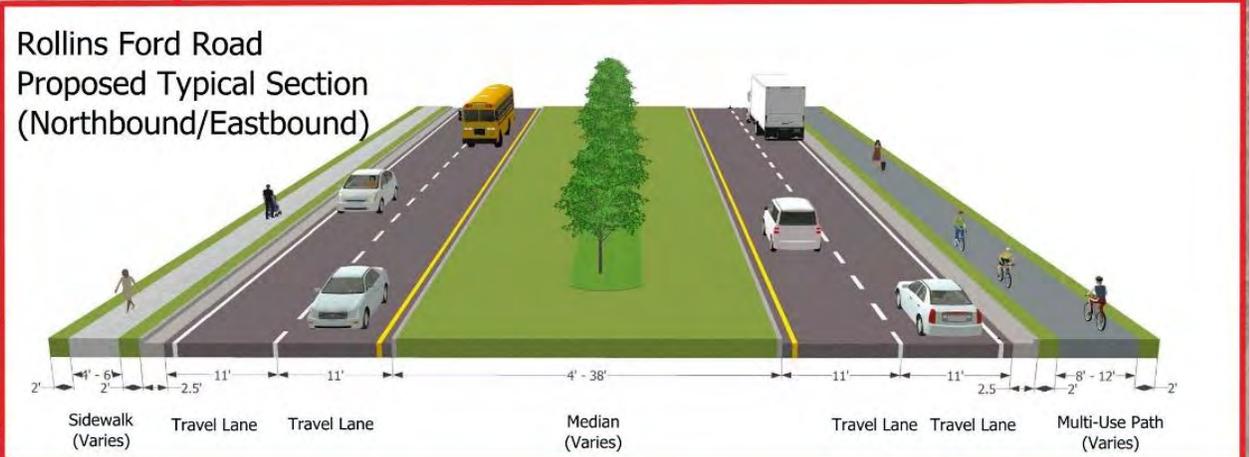
Install Speed Feedback Signage

Install Speed Feedback Signage

Install Pedestrian Advanced Warning with Flasher

Install detection and warning flasher for vehicles entering from Braided Stream Drive

Legend	
	Existing Crosswalk
	Existing Pedestrian Sign
	Existing School Flasher
	Existing No U-turn Sign
	Existing Oversized STOP Signs
	Typical Section Extent
	Proposed Intersection Treatment
	Proposed: Pedestrian Advanced Warning Flasher
	Proposed: Detection and Warning Flasher





# Innovative Intersection Roundabout Concept

Single lane roundabout implementation



Connect bike lane with multi-use path and sidewalk along Rollins Ford Road

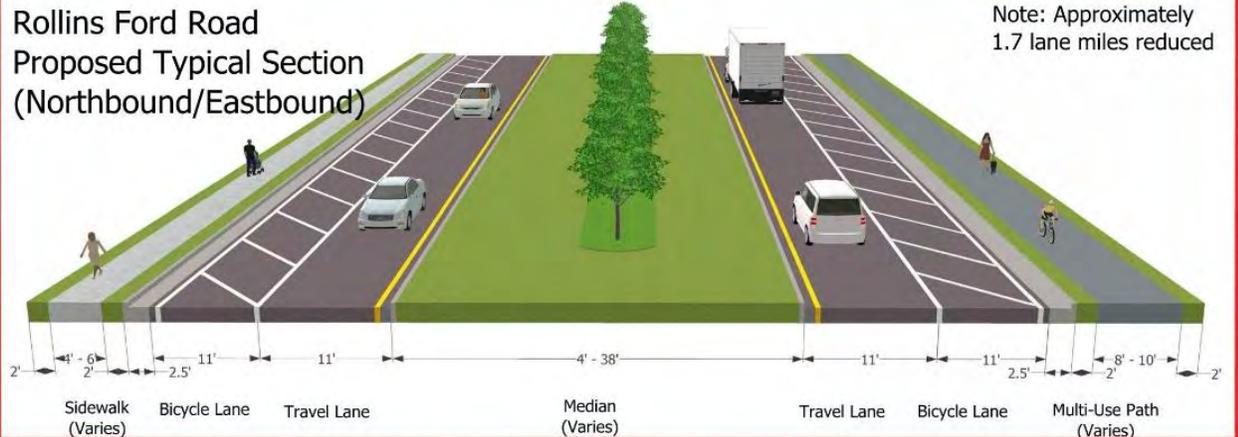
Configure with porkchop; improve gap assessment for westbound left and Braided Stream approach

Install Speed Feedback Signage

**Speed Feedback Sign Installation Note**  
Any and all speed feedback sign installations need to be installed by the locality under VDOT permit for installation and maintenance purposes.

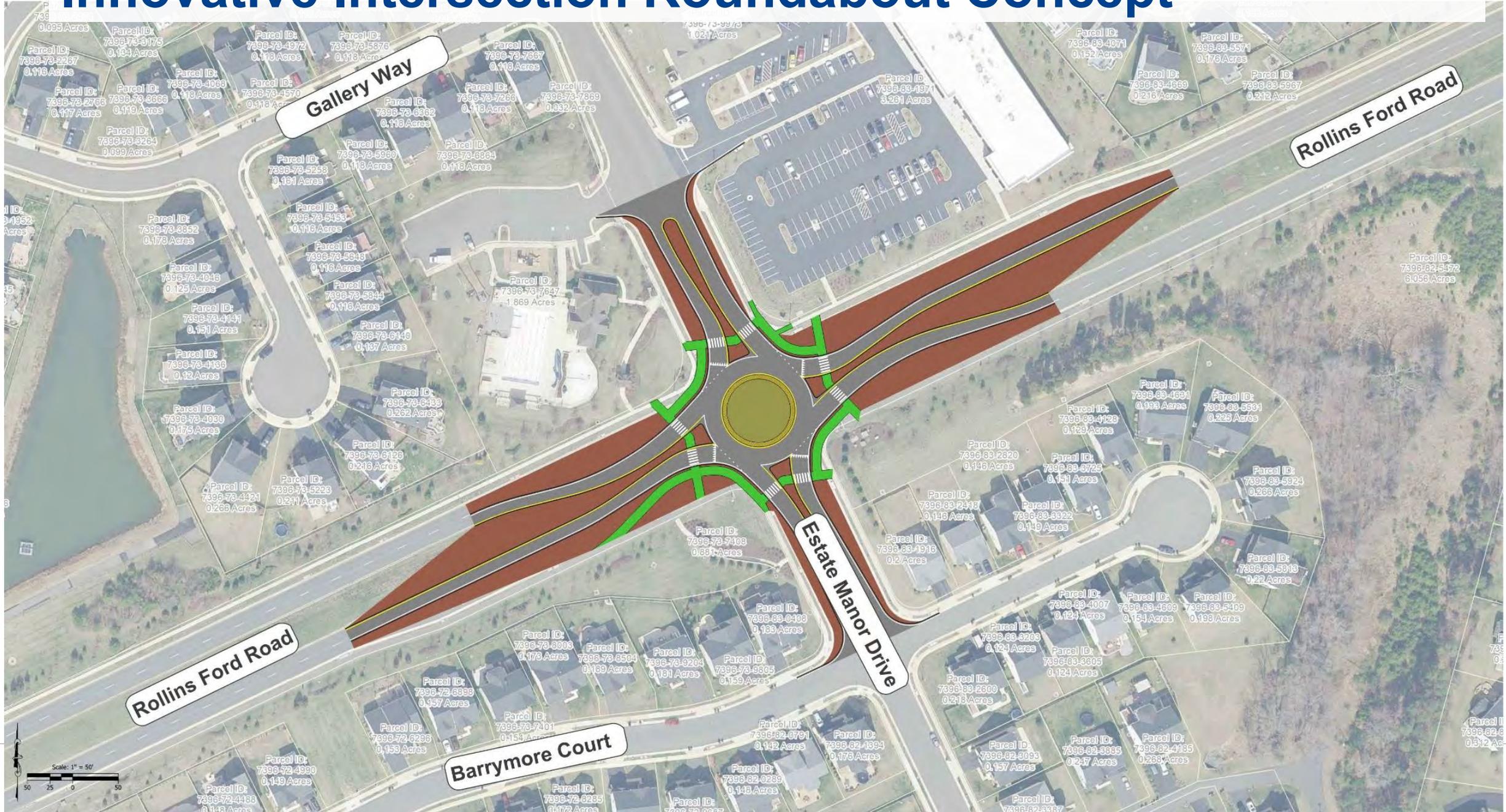
- Legend**
- Existing Crosswalk
  - Existing Pedestrian Sign
  - Existing School Flasher
  - Existing No U-turn Sign
  - Existing Oversized STOP Signs
  - Typical Section Extent
  - Proposed Intersection Treatment

Rollins Ford Road  
Proposed Typical Section  
(Northbound/Eastbound)



Vint Hill

# Innovative Intersection Roundabout Concept



# Concept Evaluation Matrix

Goal/Need	Metric	No Build	Pedestrian Crossing Enhancements Concept	Partial Lane Reduction Concept	Restricted Crossing U-turn Concept	Single Lane Roundabout Concept
<b>Mitigating Speeding</b>	Potential to influence change in speed	○	○	◐	○	●
<b>Improve Bike/Ped mobility/safety</b>	Features design elements to decrease ped/bike exposure/increase visibility	○	◐	◐	◐	●
<b>Improve vehicular safety</b>	Potential CMF <sup>1</sup> of proposed change <sup>2</sup>	○	○	◐	◐	●
<b>Maintain travel time reliability</b>	Estimated change in travel time	●	●	◐	●	◐
<b>Advance cost-feasible solutions</b>	Preliminary Cost Estimate	--	\$	\$\$	\$\$\$	\$\$\$\$
<b>Short-term implementation</b>	Estimated time needed for implementation <sup>3</sup>	--				

<sup>1</sup> CMF = crash modification factor as defined by the AASHTO *Highway Safety Manual*, 2010.

<sup>2</sup> Formal HSM safety analysis should be conducted to evaluate safety impacts

<sup>3</sup> Estimates assume required time for concept final design and construction; actual timeline could vary depending on funding/contracting schedules.

*(cost in 2019 dollars)*

- – Does not meet goal/need
  - ◐ – Partially meets goal/need
  - – Meets goal/need
- \$ < \$500 thousand
  - \$\$ \$500 thousand - \$1 million
  - \$\$\$ \$1 million - \$3 million
  - \$\$\$\$ >\$3 million
-  ~6 months – 1 year
  -  ~1 year – 2 years
  -  ~2 years – 5 years

# Thank you!

**Your participation and feedback  
is essential to developing a  
solution that works for all!**

***Project Website: [www.virginiadot.org/projects](http://www.virginiadot.org/projects)***

***Project Comments (email): [meetingcomments@vdot.virginia.gov](mailto:meetingcomments@vdot.virginia.gov)***