

VIRTUAL DESIGN PUBLIC HEARING

Proposed RCUT Intersection at Routes 29 and 662 (Shelby)



Madison County

UPC 109587

Project # 0029-056-734, PE-101, RW-201, C-501

Federal Project HSIP-056-7(024)

Virtual Hearing Guidelines

- Please remain muted during the presentation
- Submitted questions and comments will be addressed at the end of the presentation
- Participant list will be recorded
- Project materials and displays are available at:

www.virginiadot.org/shelbyRCUT



Virtual Design Public Hearing in Response to Public Health

The virtual public hearing and VDOT website provides the same information as an in-person hearing:

- ✓ Project Information
- ✓ Estimated timeline
- ✓ Process for submitting comments
- ✓ Key contacts

COVID 19
CORONAVIRUS DISEASE

Share Facts About COVID-19

Know the facts about coronavirus disease 2019 (COVID-19) and help stop the spread of rumors.

FACT 1 Diseases can make anyone sick regardless of their race or ethnicity.

People of Asian descent, including Chinese Americans, are not more likely to get COVID-19 than any other American. Help stop fear by letting people know that being of Asian descent does not increase the chance of getting or spreading COVID-19.

FACT 2 Some people are at increased risk of getting COVID-19.

People who have been in close contact with a person known to have COVID-19 or people who live in or have recently been in an area with ongoing spread are at an increased risk of exposure.

FACT 3 Someone who has completed quarantine or has been released from isolation does not pose a risk of infection to other people.

For up-to-date information, visit CDC's coronavirus disease 2019 web page.

FACT 4 You can help stop COVID-19 by knowing the signs and symptoms:

- Fever
- Cough
- Shortness of breath

Seek medical advice if you

- Develop symptoms

AND

- Have been in close contact with a person known to have COVID-19 or if you live in or have recently been in an area with ongoing spread of COVID-19.

FACT 5 There are simple things you can do to help keep yourself and others healthy.

- Wash your hands often with soap and water for at least 20 seconds, especially after blowing your nose, coughing, or sneezing; going to the bathroom; and before eating or preparing food.
- Avoid touching your eyes, nose, and mouth with unwashed hands.
- Stay home when you are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash.

For more information: www.cdc.gov/COVID19

Virtual Design Public Hearing Purpose


- 1. Inform the public of project status and present recommendations.**
- 2. Describe the project so the public can determine how they may be affected.**
- 3. Provide the public the opportunity to provide input.**
- 4. Develop a record of public participation and review recommendations.**

Project Team



Justin Warfield, P.E.
VDOT Project Manager
and Roadway Engineer



Chat  - Use this to communicate with all of the participants on the meeting or you can Chat with one of our team members individually.

Virtual Design Public Hearing Agenda

1

• Welcome

2

• Public Comment Process

3

• Project Background and Proposed Design

4

• Right of Way & Environmental Overview

5

• Project Estimate, Schedule and Next Steps

6

• Opportunity for Questions/Comments

How to submit your comments

Please submit your comments regarding the design presented in this Virtual Design Public Hearing by using any of the three methods below by our deadline of Friday, October 22, 2021.



Email the Project Manager

Justin.Warfield@VDOT.Virginia.gov



Mail Us

Virginia Department of Transportation
1601 Orange Road
Culpeper, VA 22701
ATTN: Justin Warfield



Comment Online

In the chat below
Or
Visit www.virginiadot.org/shelbyRCUT

Project History

- **Summer 2007- Installation of rumble strips on Route 29**
- **July 2013- Installation of flashing warning lights**
- **2016- RCUT project Funded through Highway Safety Program**
- **June 2019- Additional funding allocated through Smart Scale**



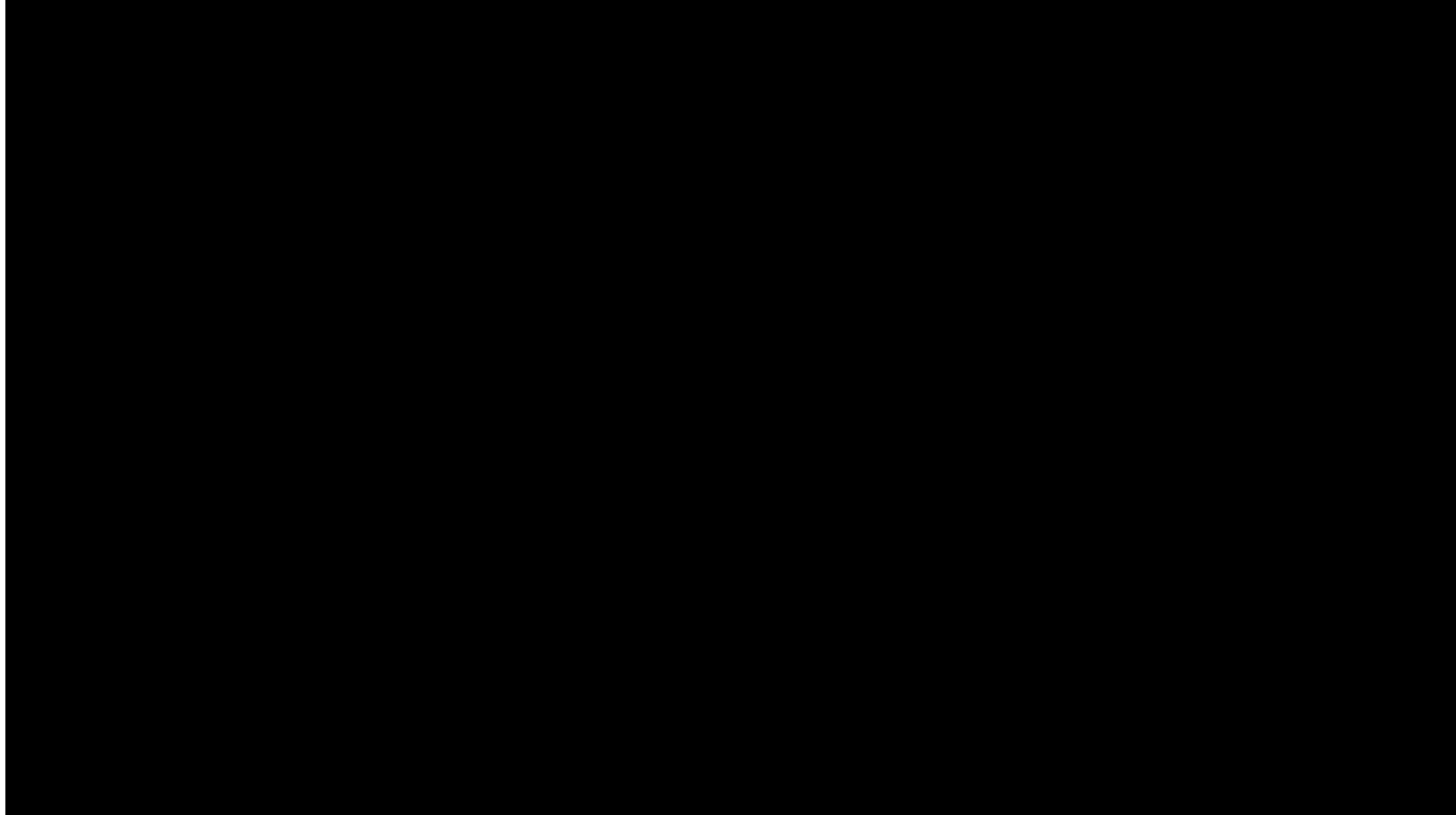
Project Purpose

There were 21 crashes from January 2016 to December 2020:

- 14 angle collisions**
- 5 run off the road crashes**
- 1 rear-end crash and 1 deer**
- 9 crashes resulted in 15 persons injured**

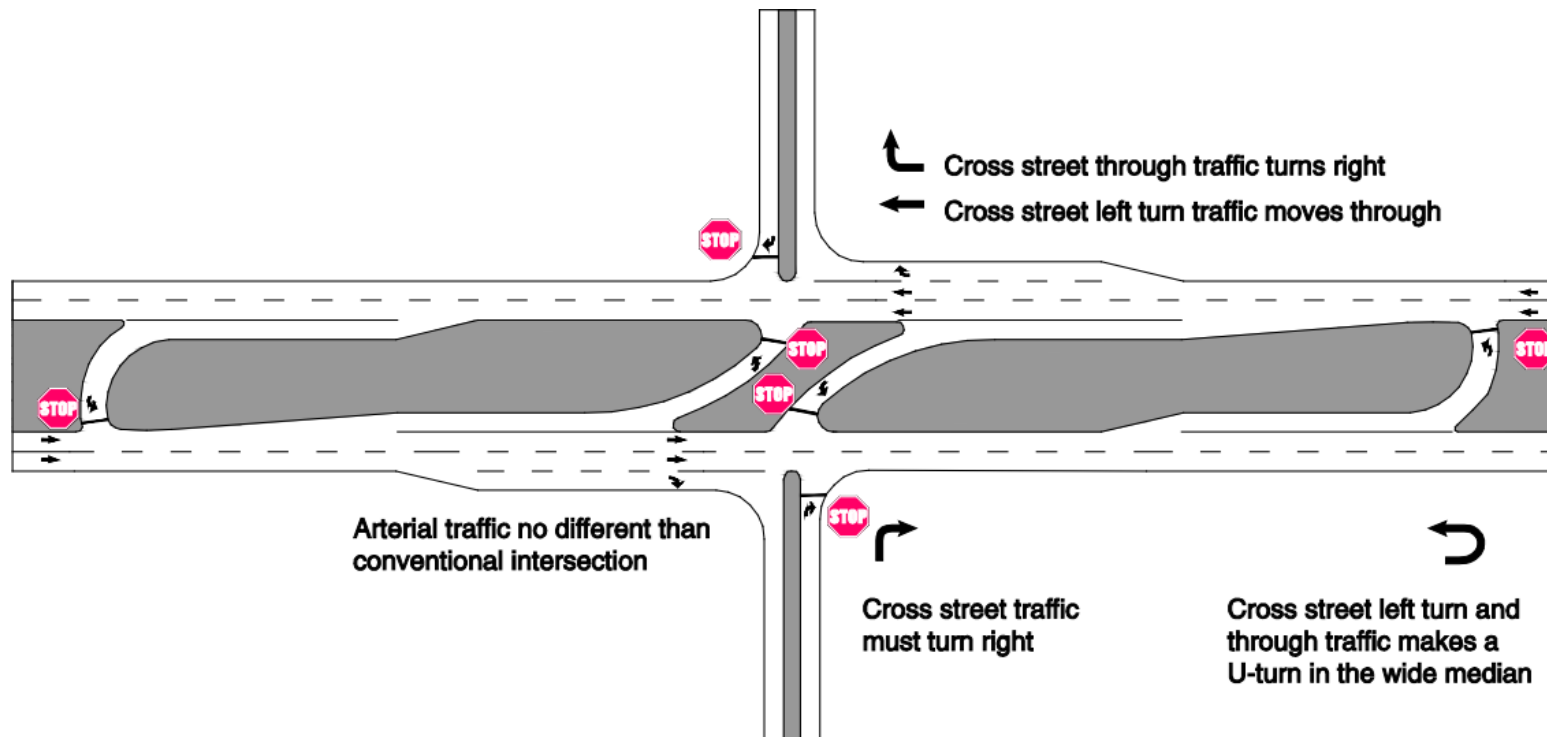
The purpose of the project is to implement a design which improves safety at the intersection by reducing angle crashes and conflict points.

RCUT Video



What is a Restricted Crossing U-Turn (RCUT)?

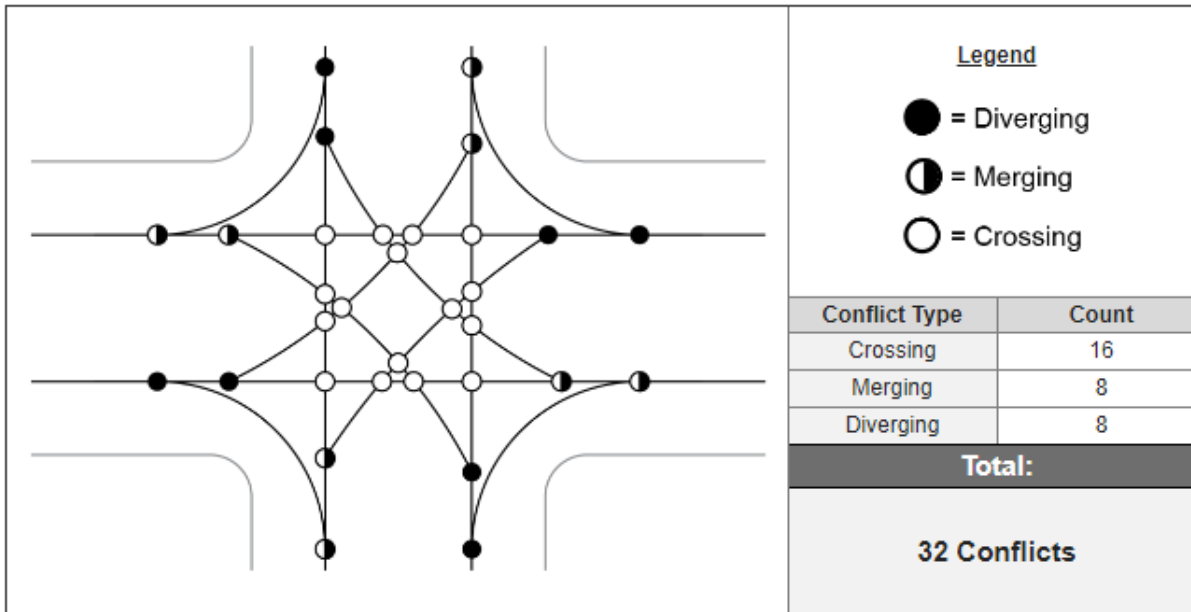
- Left or straight from Shelby Road- must turn right, then U-turn
- All other movements- no change
- Bump-outs for trucks to make U-turns



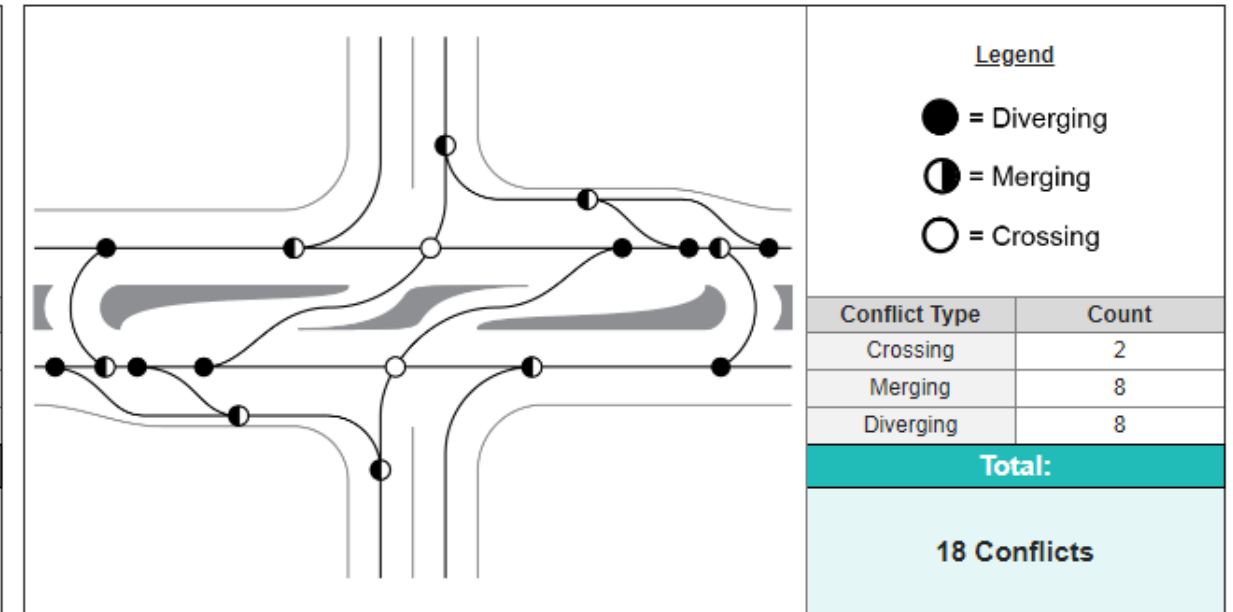
Conflict Points at an RCUT

- Nearly half as many conflicts vs. conventional intersection
- Only 2 crossing conflicts

Conventional Intersection: Conflict Points

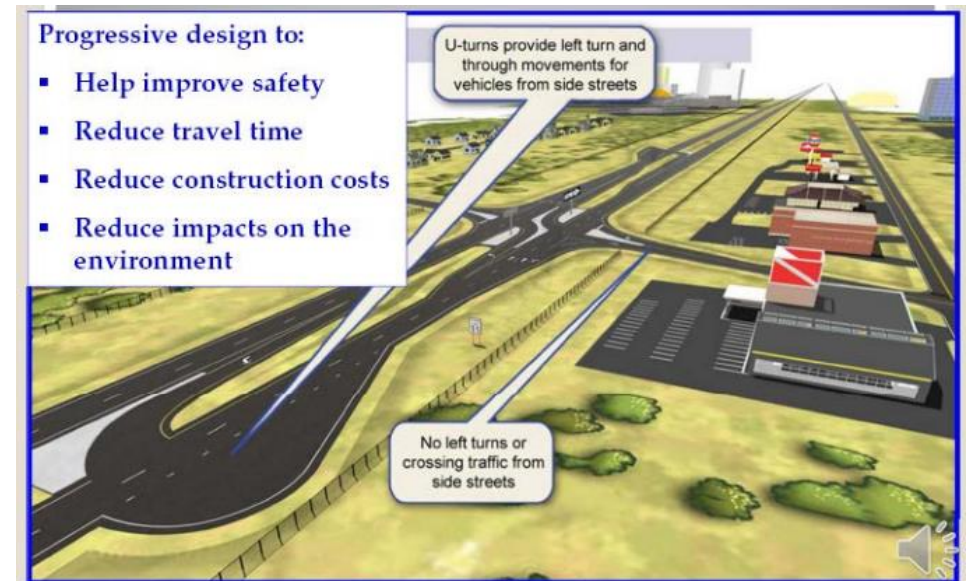


RCUT: Conflict Points

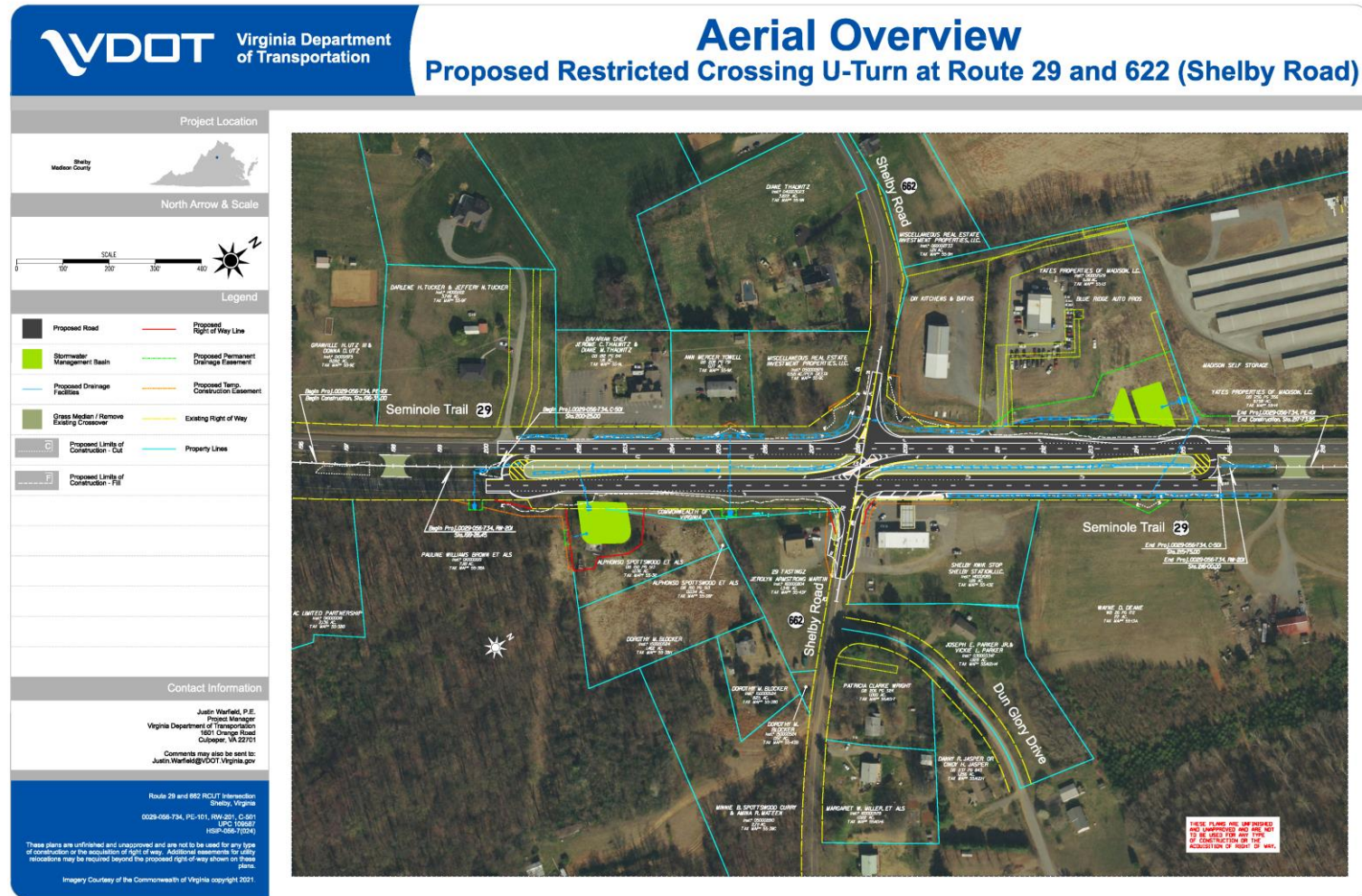


Benefits of a Restricted Crossing U-Turn (RCUT)

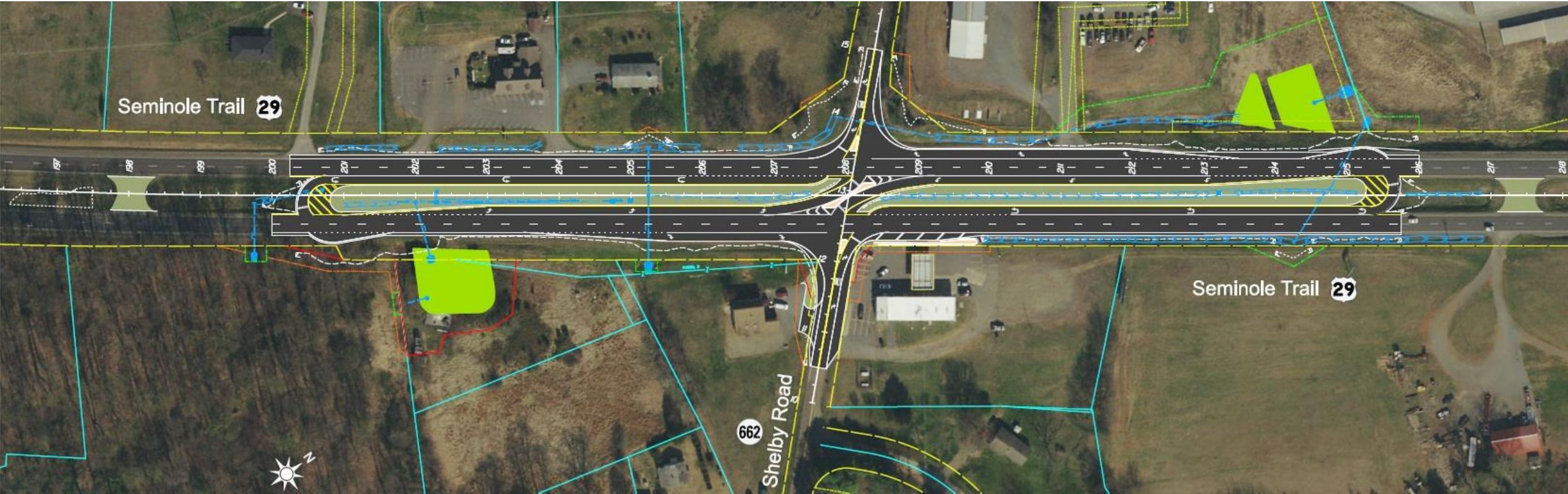
- Proven to reduce crashes/injuries/fatalities
- Reduced conflict points
- Space for trucks and trailers in median
- Only look one direction at a time
- No left turns



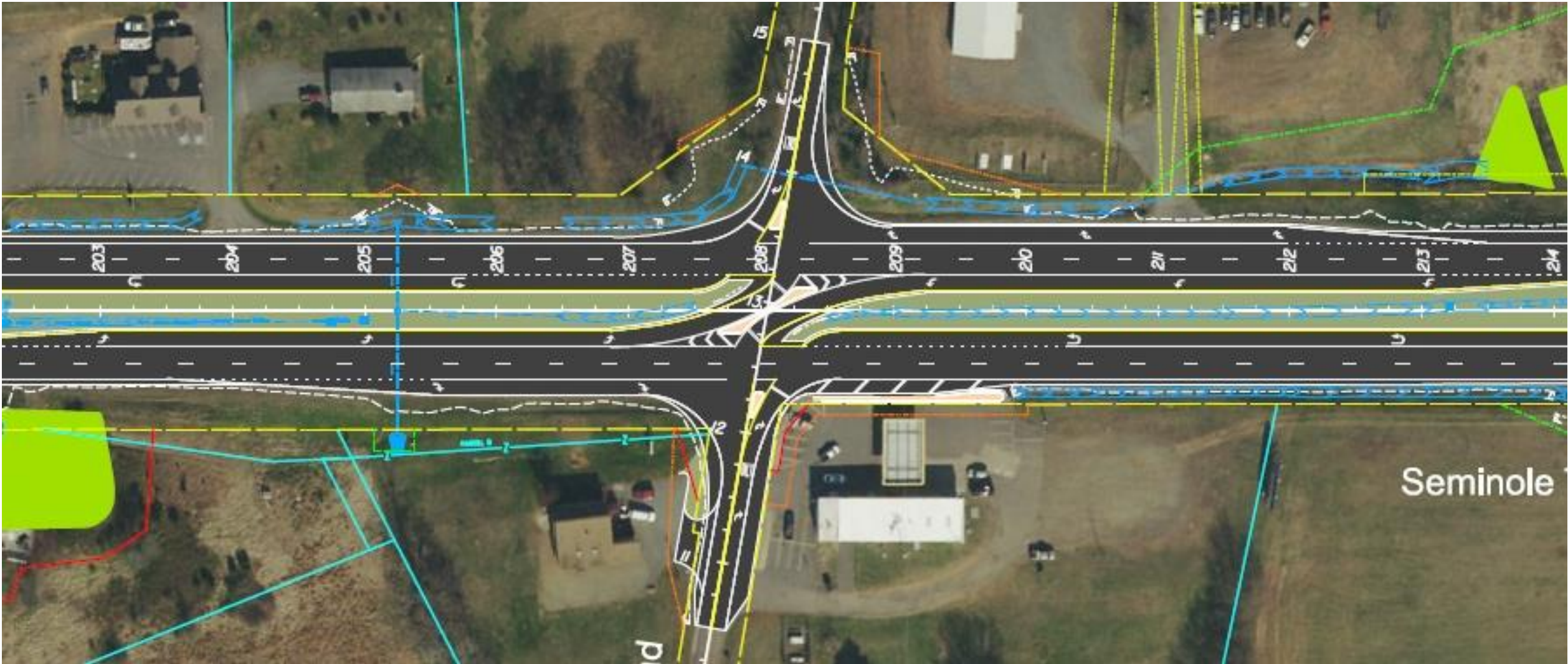
Proposed Design- Plan View



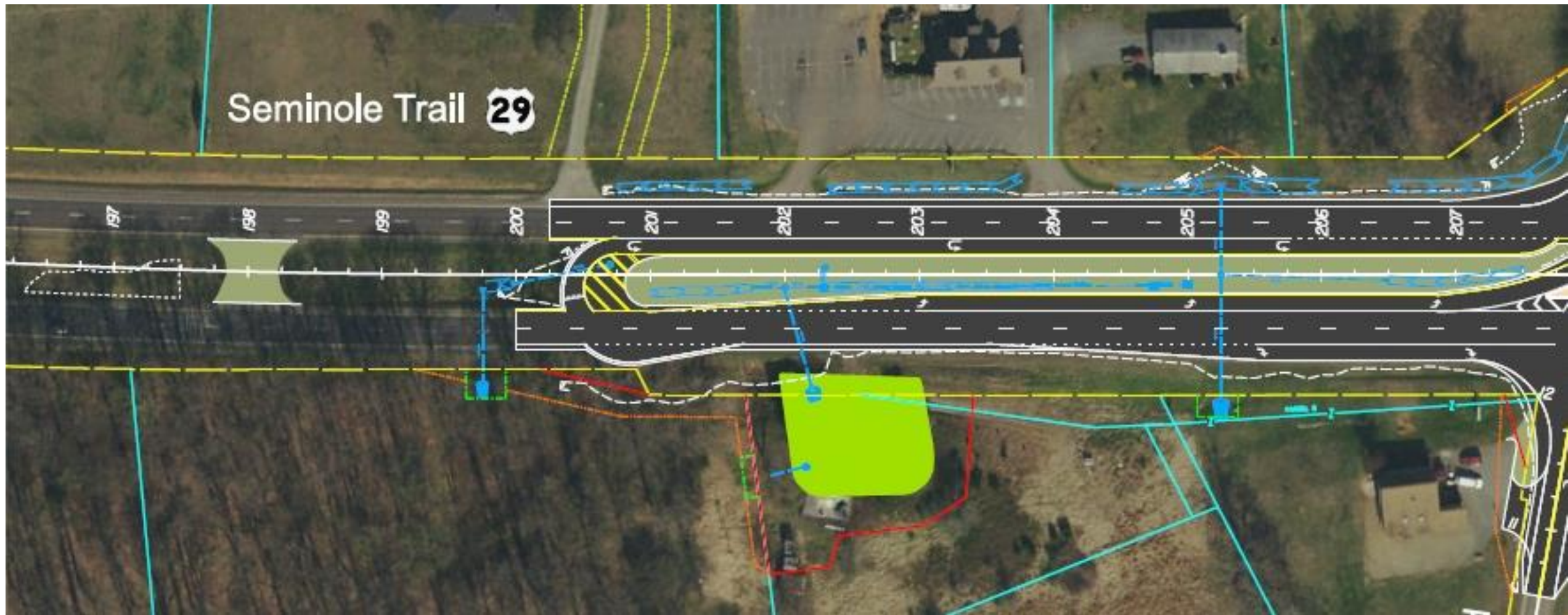
Proposed Design- Plan View



Proposed Design- Plan View



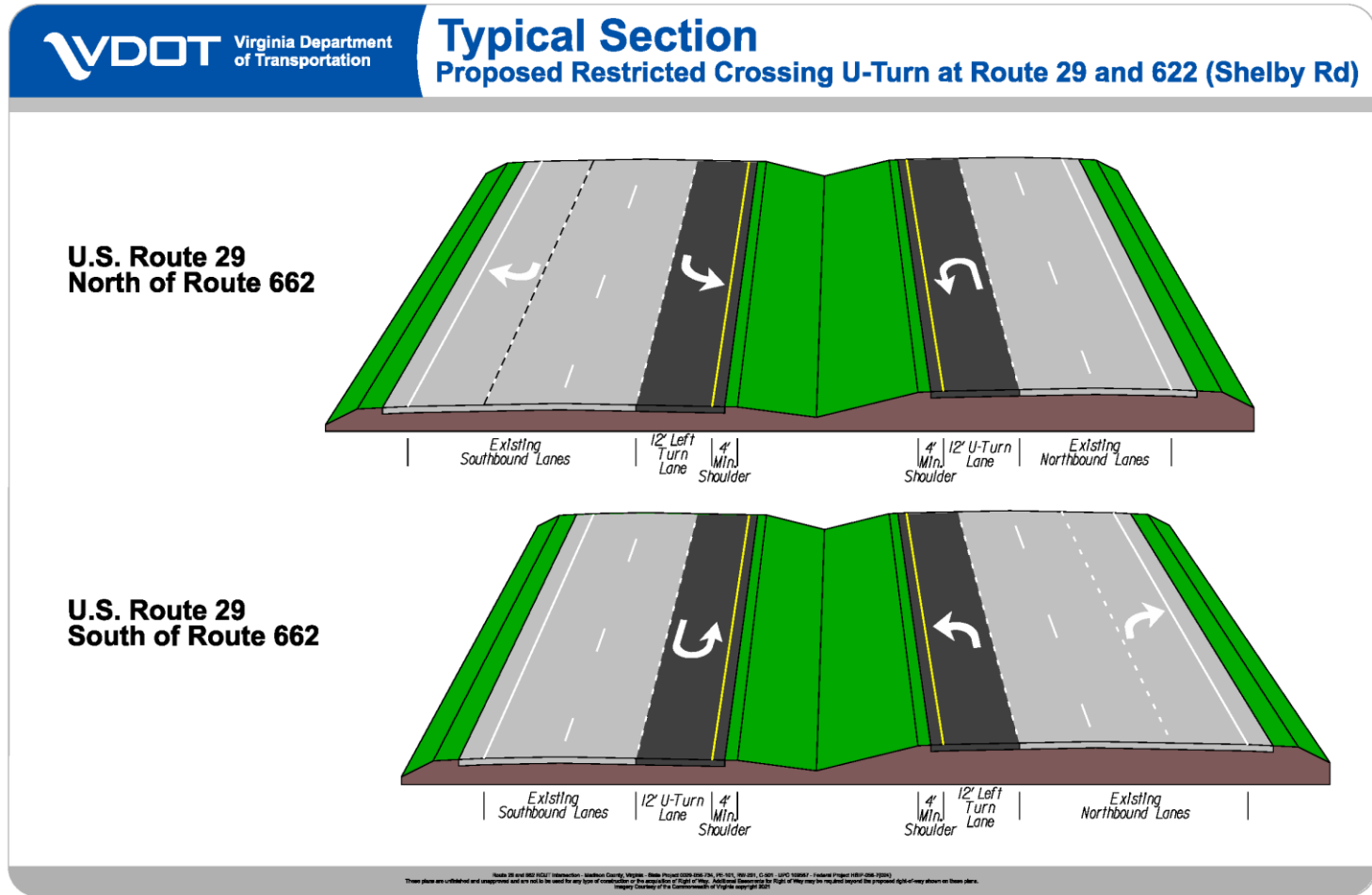
Proposed Design- Plan View



Proposed Design- Plan View



Proposed Design - Typical Sections



Traffic Forecast Analysis

Projected Level of Service (LOS):

Year	2016	2042	
	Existing	No Build	RCUT
Northbound 29 Left Turn	A	A	A
Southbound 29 Left Turn	A	A	A/B
Eastbound 662	D	D	C
-Left turn travel time			Add 10-15 seconds
Westbound 662	D	D	C
-Left turn travel time			Add 10-15 seconds

LOS Definitions:	A	0-10 seconds delay	D	25-35 seconds delay
	B	10-15 seconds delay	E	35-50 seconds delay
	C	15-25 seconds delay	F	50+ seconds delay

Maintaining Traffic During Construction



Environmental Overview

- National Environmental Policy Act (NEPA) – Programmatic Categorical Exclusion (PCE) level document
- Historic (Cultural) Resources
- Waters of the U.S. (streams/wetlands)
- Biological Resources (Threatened and Endangered Species Review)
- Hazardous Materials

National Environmental Policy Act (NEPA)

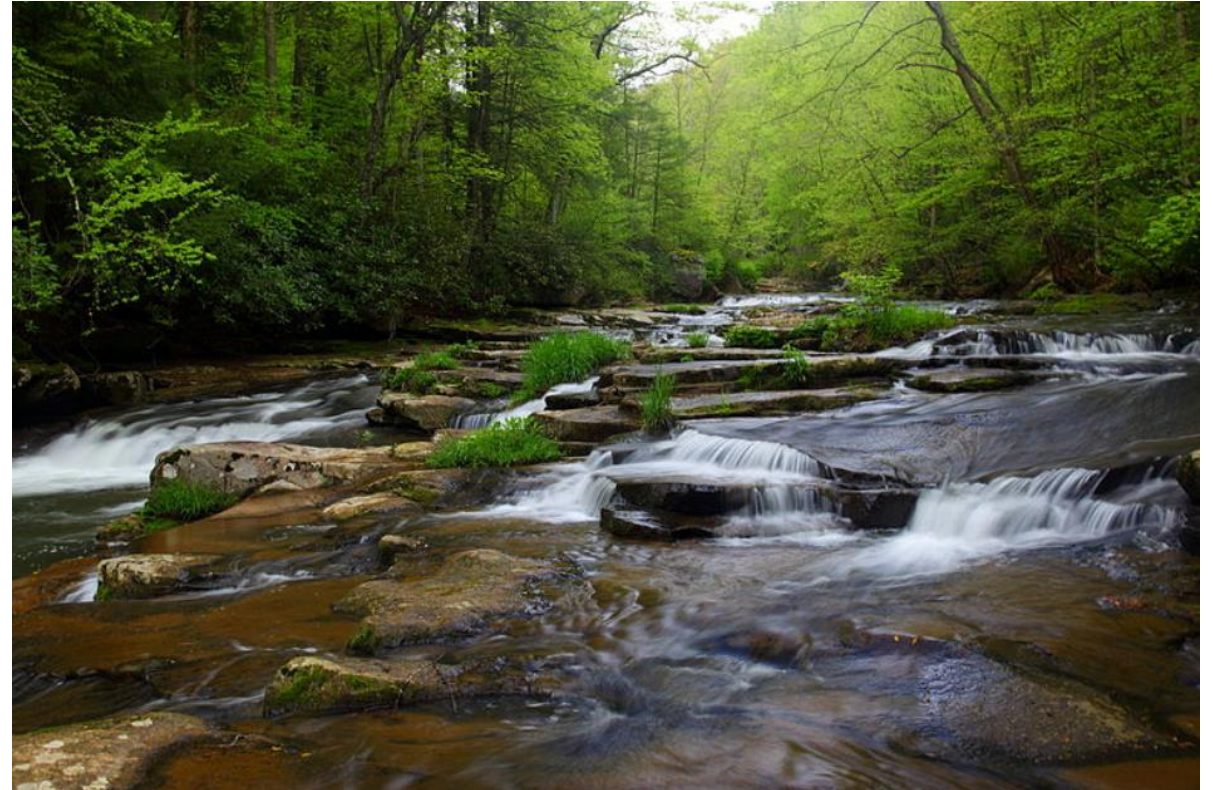
- The project is federally eligible; therefore a NEPA Document was prepared. The project qualified for a Programmatic Categorical Exclusion (PCE) level NEPA Document.

Historic Resources

- The project was reviewed for both archaeological and architectural resources. The Department of Historic Resources concurred that the project will have No Effect on any Historic Properties.

Wetlands & Waters of the U.S.

- The project was reviewed for potential impacts to jurisdictional streams and wetlands. This project will not affect any jurisdictional areas and no water quality permits are required.



Biological Resources

- Database reviews identified the Federally threatened Northern Long-eared Bat within the project area. There are no known hibernacula or roost trees within the project limits.

Hazardous Material

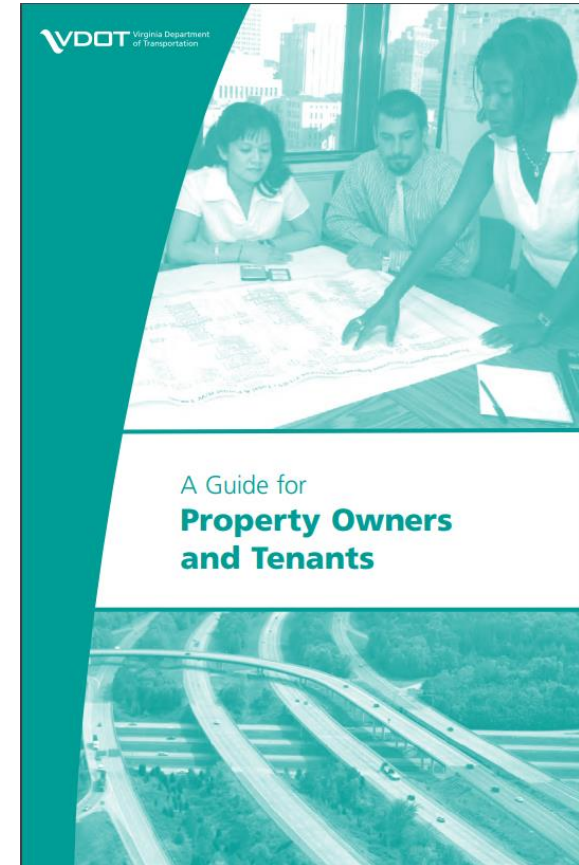
- There is the potential for petroleum contaminated soil to be encountered during construction. Efforts are being taken to avoid and/or minimize impacts in the area of concern. Any contaminated soil encountered during construction will be handled appropriately.

Proposed Right of way (ROW)

- Approximately 0.4 acres of additional right of way required, plus permanent and temporary easements for grading, stormwater, and utilities.
- No businesses, residents, or non-profit organizations will be displaced.
- All ROW acquisitions will be completed in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended in 1987.

Right of way (ROW) Acquisition Information

- To provide uniform and equitable treatment for persons affected by a project, Congress passed the Uniform Relocations Assistance and Real Property Acquisition Policies Act of 1970 and amended it in 1987.
- This law, called the Uniform Act, is the foundation for the information discussed in this brochure.
- VDOT respects these fundamental rights and is committed to treating all customers with fairness and respect.



Project Funding & Estimate

Preliminary Engineering	\$900,000
Right of Way and Utilities	\$1,050,000
Construction	\$2,800,000
Total	\$4,750,000

Estimated timeline



Quick Contacts

- ✓ www.virginiadot.org
 - **KEYWORD: Shelby RCUT**
 - www.virginiadot.org/shelbyRCUT

- ✓ **Justin Warfield, P.E.**
VDOT Project Manager
(540) 829-7599
Email: Justin.Warfield@VDOT.Virginia.gov

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Thank you for Your Participation!



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