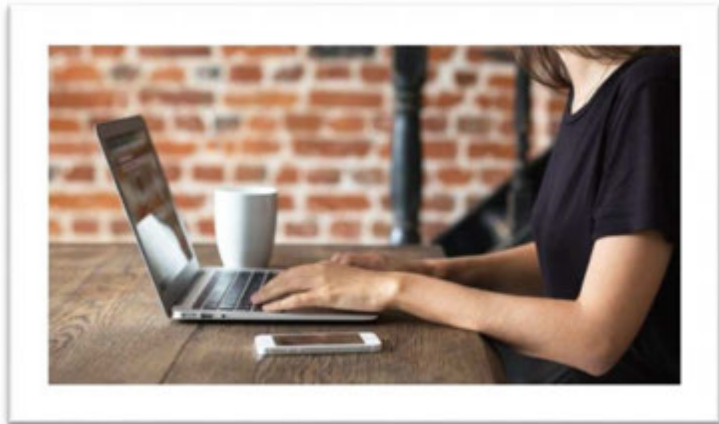


Virtual Design Public Hearing Presentation





Route 690

Project Location

Route 45

Route 689

Route 45 Roundabout

Cumberland County

UPC: 110766

Project No: 6045-024-597, P101, R201, C501



Virtual Design Public Hearing in Response to Public Health

The Virtual Design Public Hearing and VDOT website provide 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

- Inform the public of project status and present recommendations.
- Describe the project so the public can determine how they may be affected.
- Provide the public the opportunity to provide input on the design.
- Develop a record of public participation.

PROJECT TEAM

Daniel J. Brown, PE
VDOT Lynchburg
District
Project Manager &
Roadway Design
Engineer


Brian Casto, PE
VDOT
Lynchburg
District's
Location &
Design Manager

Matt Lipscomb,
PE VDOT
Lynchburg
District's
Hydraulic
Engineer

Kevin Bradley
VDOT
Lynchburg
District's
Environmental
Manager

Brandi Marchant
VDOT Regional
Right of Way
Senior Agent

Keith Rider, PE
VDOT
Lynchburg
District's Traffic
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

- Roundabout Concepts

4

- Project Overview

5

- Environmental Overview

6

- Project Schedule and Next Steps

7

- Adjournment

How to submit your comments

Please submit your comments regarding the design presented in this Virtual Design Public Hearing by using any of the four methods below by our deadline of Friday, July 2, 2021.



Leave a Voicemail

(434) 856-8010



Email

Daniel.Brown@vdot.virginia.gov



Mail Us

Virginia Department of Transportation
4219 Campbell Avenue
Lynchburg, VA 24501
Attn: Daniel Brown



Comment

In the chat below
Or Visit
www.VirginiaDOT.org/Route45CartersvilleRoad

Location Map



Project History

- Smart Scale application submitted by Cumberland County in 2017 and was approved for funding in 2018
- Project Development started in 2019
- Willingness to hold a Design Public Hearing was posted in March 2021
- Virtual Design Public Hearing being held in June 22, 2021

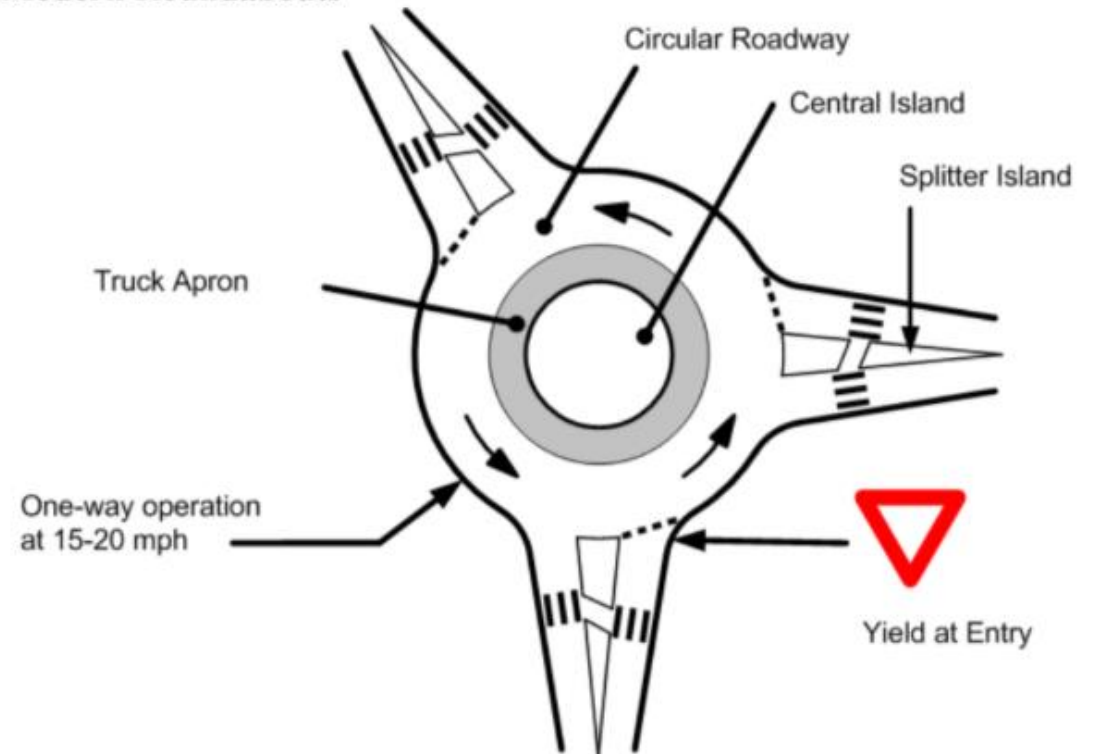
Project Purpose

- The purpose of this project is to construct a roundabout on Route 45 at the intersection of Route 690 to improve safety.
- In the 2013-2019 timeframe, there were seven reported crashes, with two having severe injuries.
- The design includes the realignment of Route 45 and Route 690 to include a single lane roundabout which will facilitate a safer intersection.
- Route 45 had an Average Daily Traffic (ADT) volume of 1,794 vehicles in 2018. In the project Design Year (2045), the estimated ADT is 2,037.

Benefits of a Roundabout over traditional intersections

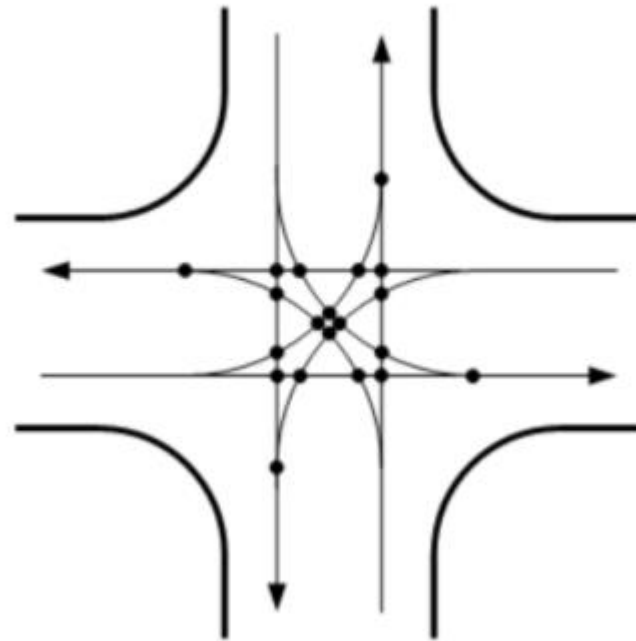
- Safer
- Reduce lifecycle cost
- Typically no traffic signal
- Fuel consumption
- Free flow of traffic
- Usually smaller footprint
- Good for businesses
- Aesthetics

Modern Roundabouts

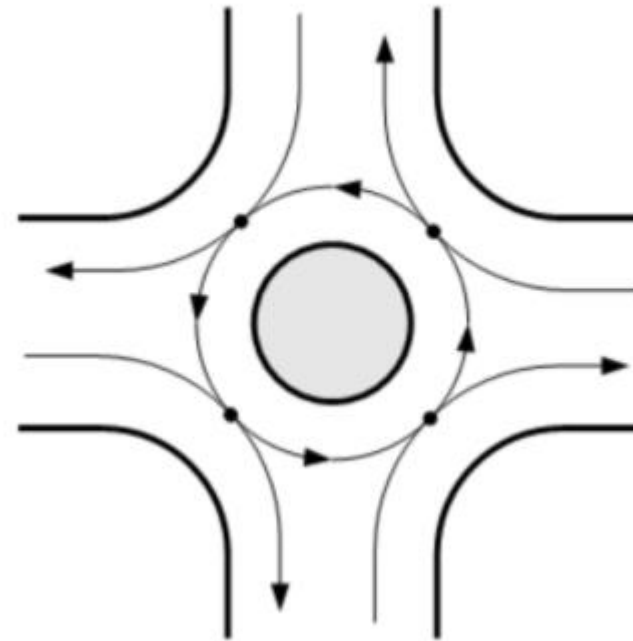


Benefits of a Roundabout

A. Typical Intersection



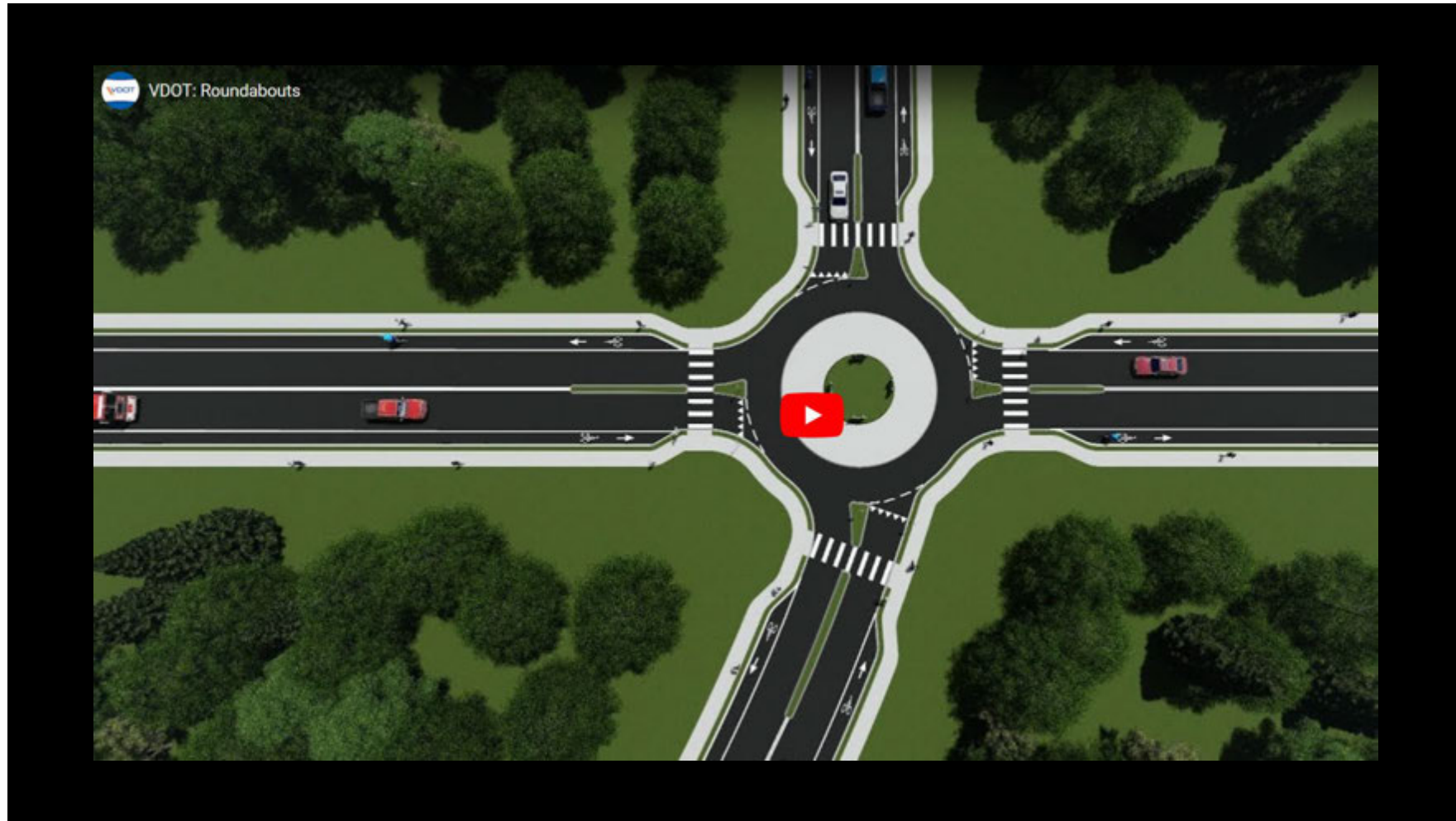
B. Circular Intersection



Benefits of a Roundabout – at this intersection

- Seven (7) reported crashes resulting in three (3) injuries
- Two (2) of the injuries were severe.
- Four (4) of the crashes were attributed to speeding.
- The remaining three (3) were related to the stop condition.
- All seven (7) crashes are susceptible to correction with a roundabout configuration.

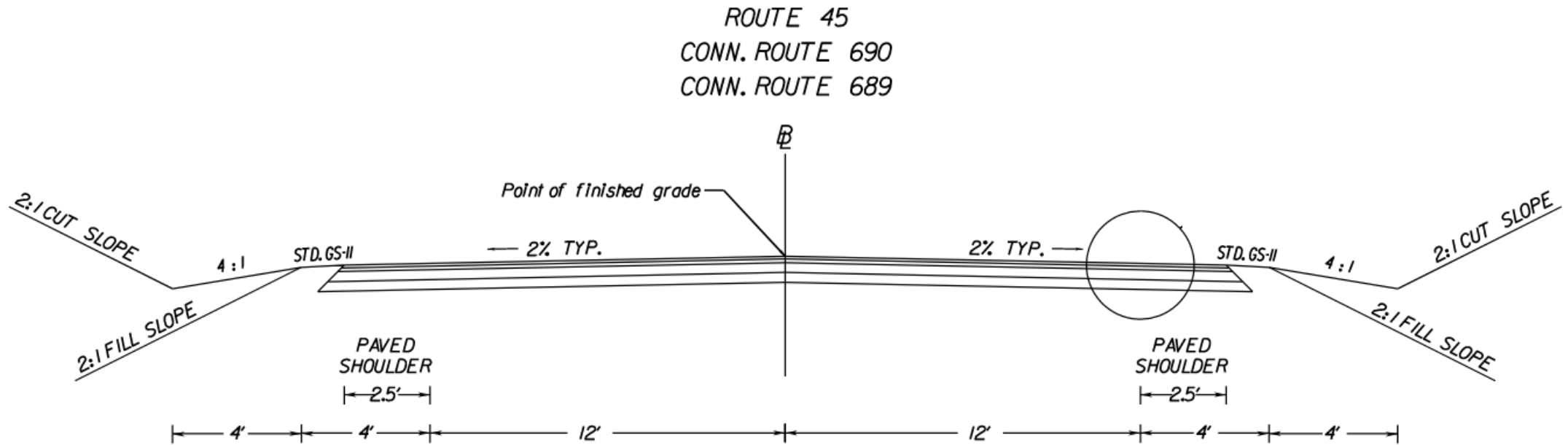
Roundabouts Video



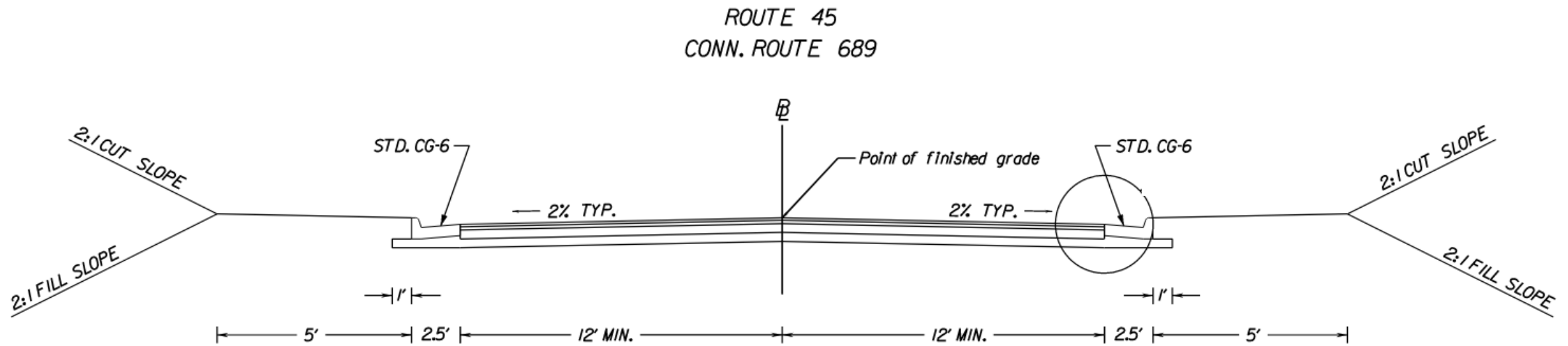
Maintaining Traffic During Construction



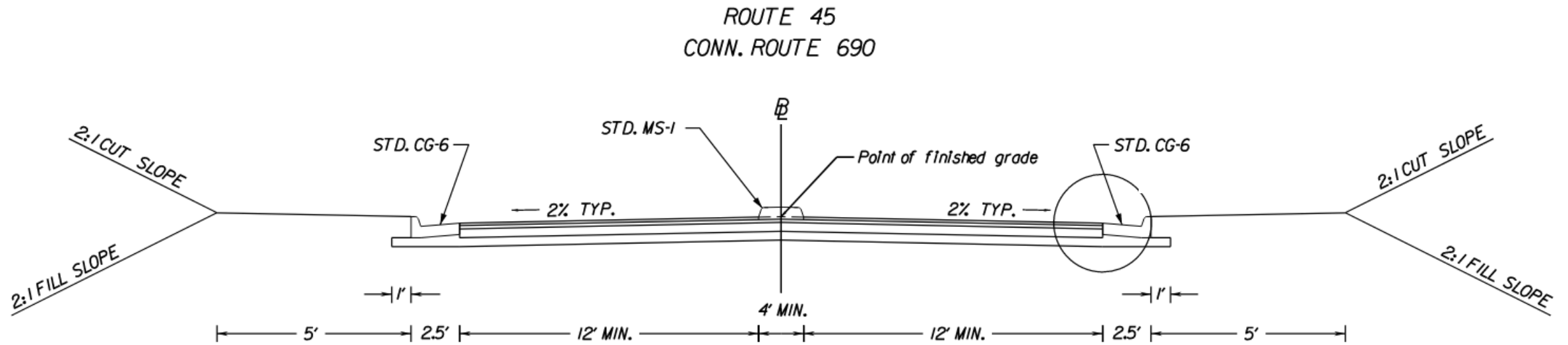
Design Approach – Typical Section w/Paved Shoulders



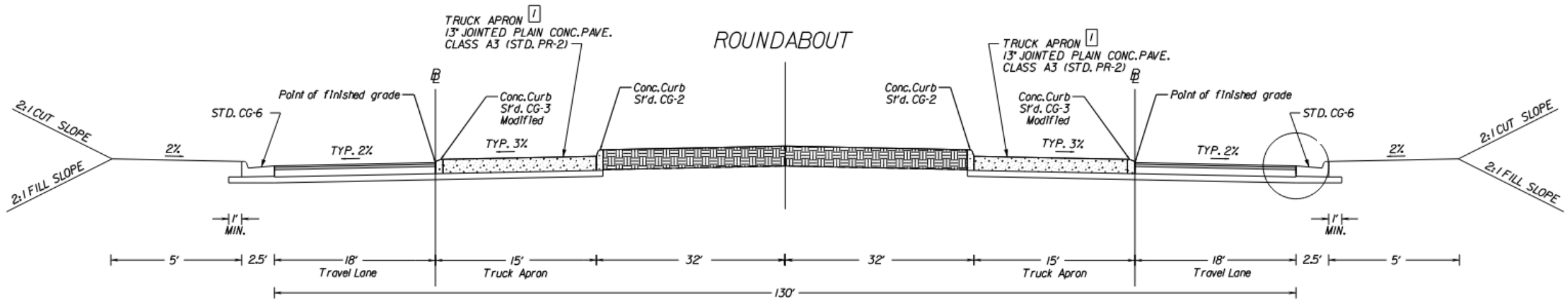
Design Approach – Typical Section w/Curb & Gutter



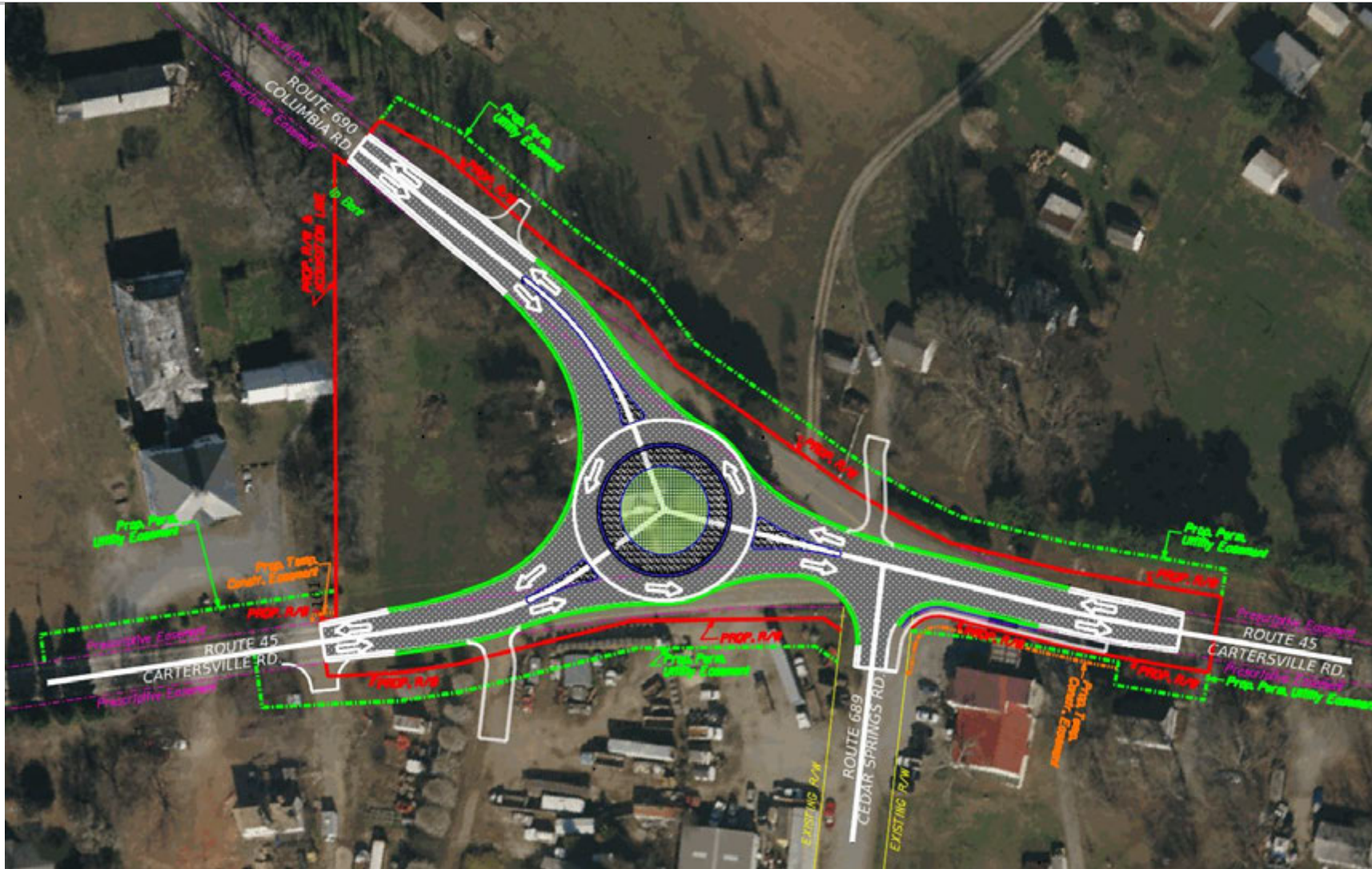
Design Approach – Typical Section w/Curb & Gutter



Design Approach – Typical Section - Roundabout



Design Approach – Plan View



Environmental Overview

- National Environmental Policy Act (NEPA) – Categorical Exclusion (CE) level NEPA 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 Categorical Exclusion (CE) level NEPA Document with Section 4(f) Finding of Minimal Impact.

Cultural Resources

- The project was reviewed for both archaeological and architectural resources. The Department of Historic Resources concurred that the project will have No Adverse Effect on Historic Properties (resources listed on or eligible for the National Register of Historic Places).

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 but there are no hibernacula or roost trees within the project limits.
- Database reviews also identified the James River and Willis River in the project area. This project does not involve any instream work; therefore there will be no impacts.
- The James River is also listed as T&E waters for the State threatened Green floater and Atlantic pigtoe mussels. The project is located over 1 mile from the James River and involves no instream work; therefore there will be no impacts.

Hazardous Materials

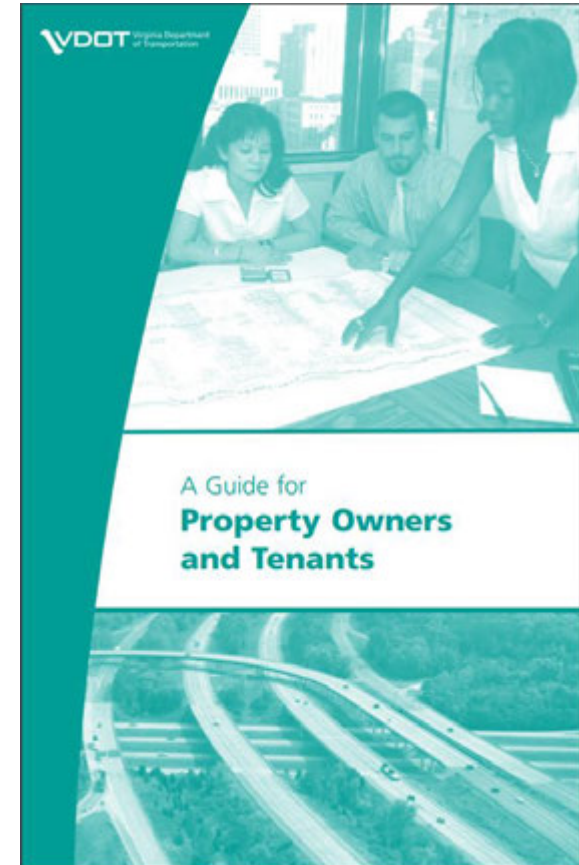
- Based on the scope of work, minimal right-of-way (ROW) acquisition, and no open Virginia Department of Environmental Quality (DEQ) Pollution Complaints (PCs), there are no hazmat issues identified or anticipated within the project limits.
- Asbestos inspections will be required for any structures impacted by the project.

Proposed Right of Way (ROW)

- Additional ROW will be required outside of the existing Prescriptive Easement.
- Utility easements will be required for the relocation of existing utilities.
- There will be one residential relocation.
- No businesses 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	\$513,407
Right of Way	\$582,211
<u>Construction</u>	<u>\$2,430,770</u>
Total	\$3,526,388

Estimated Timeline



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Comment

In the chat below
Or Visit
www.VirginiaDOT.org/Route45CartersvilleRoad

Quick Contacts

- ✓ www.virginiadot.org
 - **KEYWORD: Route 45 Cartersville Road**

- ✓ **Daniel J. Brown, P.E.**
VDOT Project Manager
(434) 856-8265
Email: Daniel.Brown@vdot.virginia.gov

Thank you for your participation



Virtual Design Public Hearing