

# SADLER ROAD IMPROVEMENTS

*From Dominion Boulevard to Cedar Forest Road*



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Citizen Information Meeting

November 9, 2017

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# TONIGHT'S AGENDA

- |             |  |
|-------------|--|
| 5:30 – 6:00 | Informal Review of Project Drawings                          |
| 6:00 – 6:30 | Overview by Steve Yob, P.E., Director of Public Works        |
| 6:30 – 7:00 | Informal Review of Project Drawings and Individual Questions |



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# AVAILABLE RESOURCES



Henrico County Staff



RK&K Engineers



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# PURPOSE OF MEETING

Present Preliminary Plans

Gather Public Feedback

Present Schedule



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# PURPOSE OF PROJECT

Improve Safety by Providing Standard Roadway Section, Improved Geometry, and Improved Sight Distance

Increase Capacity to Meet Demand

Improve Intersection Safety

Provide Pedestrian and Bicycle Facilities



# PROJECT HISTORY

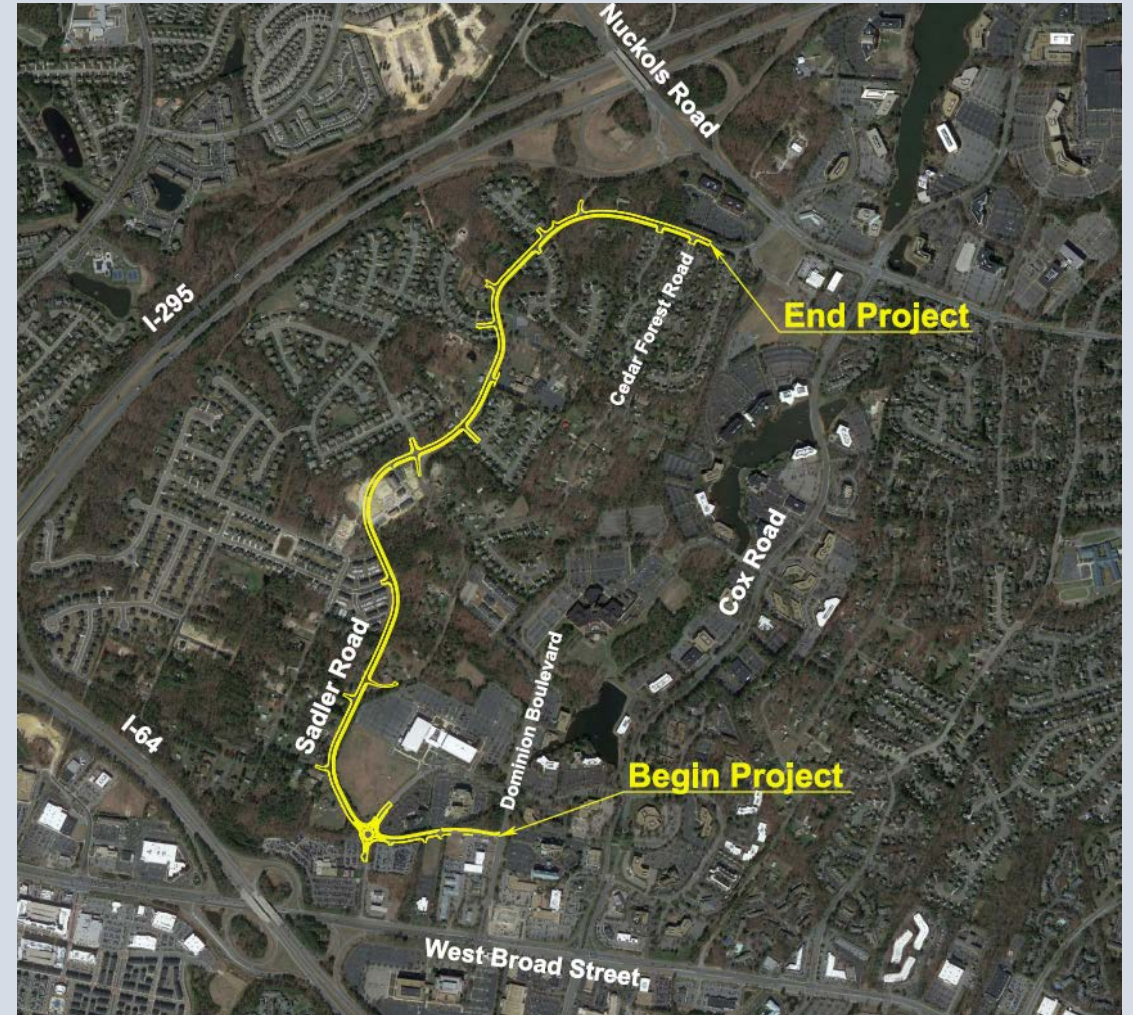
- Sadler Road is a Minor Collector on the 2026 Major Thoroughfare Plan
- February 2004 – Board of Supervisors Approved Design Contract
- April 2005 – Citizens Information Meeting to Decide Alignment
- Fall 2007 – Construction Funds Diverted to Other Projects Including John Rolfe Parkway
- By Late 2016 – Secured Funding and Authorization to Proceed from FHWA and VDOT
- Early 2017 – Re-started Project Design





# PROJECT OVERVIEW

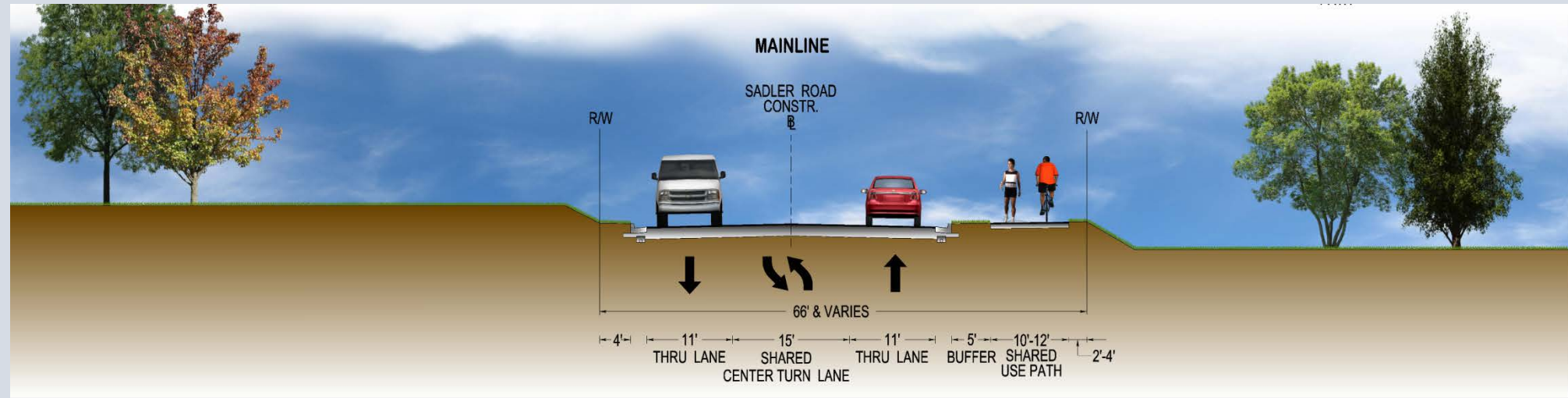
- Project Length: 1.88 Miles
- Project Begins at Dominion Boulevard
- Project Ends After Cedar Forest Road
- A Roundabout Is Proposed at the Intersection of Innslake Drive and Sadler Road



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# DESIGN FEATURES



- Two Lane Roadway with a Shared Center Turning Lane
- Curbs, Gutters and Improved Drainage Throughout
- A Bike and Pedestrian Path (Bicycles and Pedestrians) Along the Eastern Side of the Roadway
- Design Speed and Posted Speed: 35 MPH



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# PROJECT BY SEGMENTS

## Dominion Boulevard to Scotland Lane

- Follows the Existing Roadway
- Minor Property Needed for Improvements
- Roundabout at the Intersection of Innslake Drive and Sadler Road
- Improved Intersections and Entrances



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# PROJECT BY SEGMENTS

## Roundabout at Innslake Drive

- Roundabouts “Calm” Traffic
- Vehicles Slow Down When Entering the Roundabout
- Yield to Traffic Within Roundabout
- Proven Reduction in Number and Severity of Crashes
- Paths for Pedestrians and Bicyclists
- Colored Apron Provides for Larger Vehicles



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# PROJECT BY SEGMENTS

Scotland Lane to Sadler Grove Road



- Roadway Construction on New Alignment
- Provides New Intersection at Sadler Walk Lane
- New Right of Way Needed for All Improvements
- Improved Intersections and Entrances



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# PROJECT BY SEGMENTS

## Sadler Grove Road to Willow Gate Drive



- Follows the Existing Roadway
- Minor Property Needed for Improvements
- Improved Intersections and Entrances



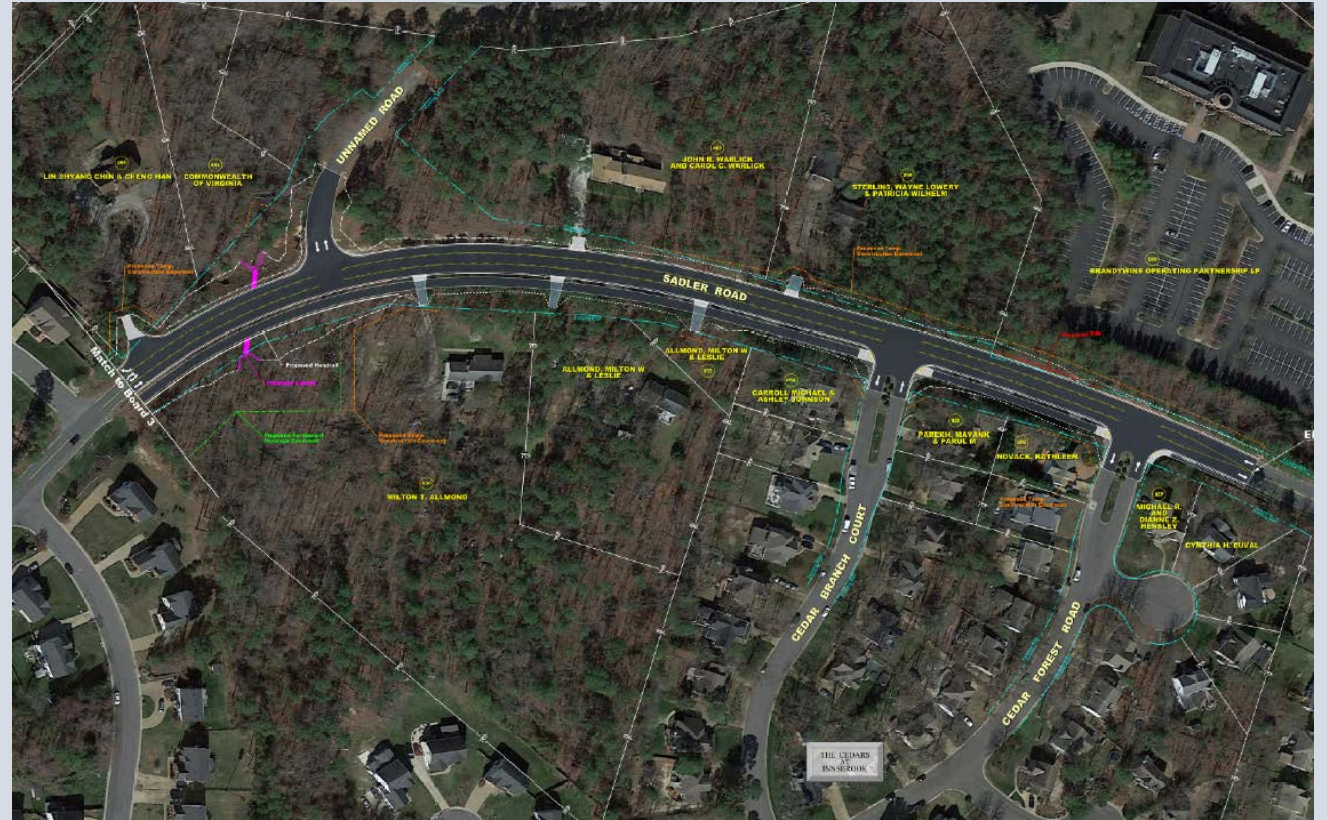
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# PROJECT BY SEGMENTS

## Willow Gate Drive to Cedar Forest Road

- Follows the Existing Roadway
- Minor Property Needed for Improvements
- Improved Intersections and Entrances



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# MAJOR DESIGN CONSIDERATIONS

- Maintain Access at All Times During Construction
  - Emergency Services (Fire and Rescue)
  - Neighborhoods and Homes
  - Church
  - Businesses
  - School Busses
  - Mail Service
- Minimize Environmental Impacts
  - Floodplain Analysis
  - Storm Water Management
- Minimize Property Impacts
- Public Utility Extensions: Water / Sewer



# TRAFFIC ANALYSIS

- Preliminary Traffic Report is Complete
- Traffic Nearly Doubles by Design Year – 2044
- Without Improvements: Level of Service “F” at Sadler / Innslake Intersection (2044)
- Proposed Improvements: Level of Service “B” at Sadler / Innslake Intersection (2044)



Traffic Data: Dominion Boulevard to Innslake Drive  
Existing: 3,650 ADT (Average Daily Traffic)

Design Year (2044): 6,450 ADT

Traffic Data: Innslake Drive to Ireland Lane

Existing: 2,500 ADT

Design Year (2044): 4,440 ADT

Traffic Data: Sadler Grove Road to Sadler Green Place  
Existing: 2,250 ADT

Design Year (2044): 4,000 ADT

Traffic Data: Sadler Green Place to Cedar Forest Road

Existing: 3,200 ADT

Design Year (2044): 5,700 ADT



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# ENVIRONMENTAL

- Comply with All County, State and Federal Environmental Requirements, including all Wetland, Stream and Storm Water Requirements
- Environmental Work Underway:
  - Wetland Confirmation
  - Noise Analysis
  - Archaeological Resources Review
  - Threatened or Endangered Species



# PROJECT BUDGET

*Funding is a mixture of Federal,  
State, and Local funding sources*

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Engineering:	\$ 2.5 million
Property and Utilities:	\$ 4.6 Million
Construction:	<u>\$ 11.2 Million</u>
Total Project Cost:	\$ 18.3 Million



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# PROJECT SCHEDULE

- > 30% CIM: November 9, 2017
- > 90% CIM: Fall 2018
- > Public Hearing: Spring 2019
- > Begin Property Acquisition and Utility Relocation: Summer 2019
- > Begin Construction: Spring 2021
- > Project Completion: Summer 2023





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# QUESTIONS?

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