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# Route 28 Bypass Project

Public Information Meeting  
April 19th and 20th, 2023

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# Welcome

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Route 28 Bypass  
Public Information Meeting

# Opening Remarks

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Route 28 Bypass  
Public Information Meeting

# Panelists (April 19)

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**Khattab Shammout**

Assistant Director for Design and  
Construction

*PWC Department of Transportation*

**Paolo Belita**

Planning Manager

*PWC Department of Transportation*

**Rami Bazlamit**

Design Project Engineer

*PWC Department of Transportation*

**Stuart Tyler**

Environmental Specialist

*Parsons*

**Robert Morris**

Vice President and Project Manager

*WSP USA, Inc.*

**Cody Smith**

Traffic Engineering Lead

*Kimley-Horn and Associates*

**Jonathan Spector**

Communications Support

*The Clearing*

# Panelists (April 20)

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**Geoff Giffin**

Traffic Engineering Lead

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# Agenda

1. Welcome
2. Opening Remarks
3. Team Introductions
4. Project Overview
5. Major Design Decisions
6. Traffic Engineering
7. Environmental Updates
8. Next Steps
9. How to Stay Involved
10. Q&A



## Purpose

To inform constituents in Prince William and Fairfax Counties on the Route 28 Bypass project background, its current status, and aspects of the project that will most directly impact Prince William and Fairfax County residents.



## Outcomes

- Community members feel informed about the current state and future plans of the project.
- Community members' questions about the project have been answered clearly and respectfully.
- Community members feel listened to and acknowledged by project leaders regarding their input, questions, and concerns related to the project.

# Project Overview

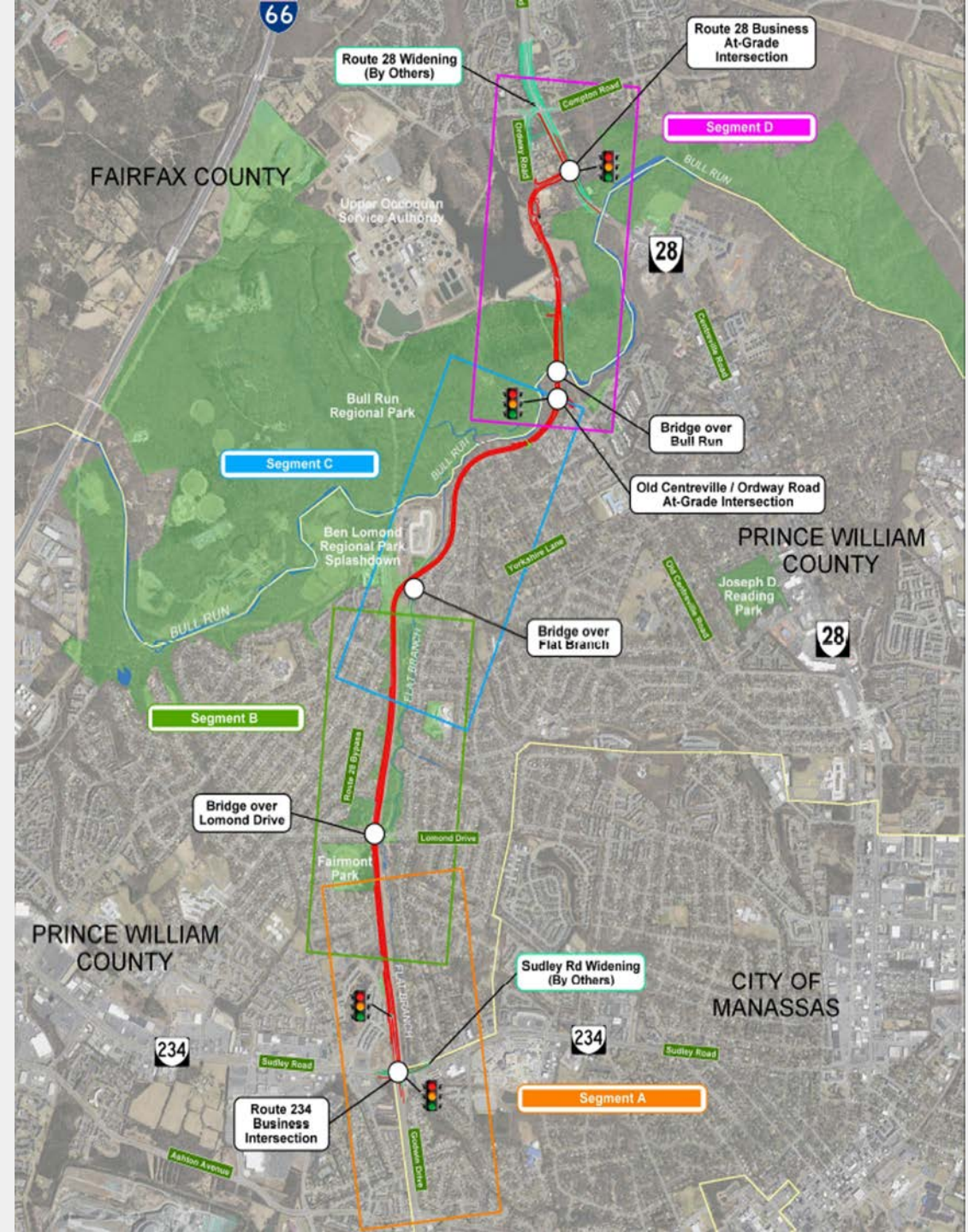
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# Project Overview

- **2017:** Feasibility Study Evaluated Multiple Options
- **2018:** Three Locations Further Evaluated
- **2019:** Prince William County Referendum on Mobility/Road Improvement Bonds Approved
- **2020:** Prince William County Board of County Supervisors endorsed the Route 28 Bypass Location 2
- **2021:** Prince William County Board of County Supervisors awarded contract to WSP for design services
- **2022-2023:** Advance Design Phase





# Major Design Decisions

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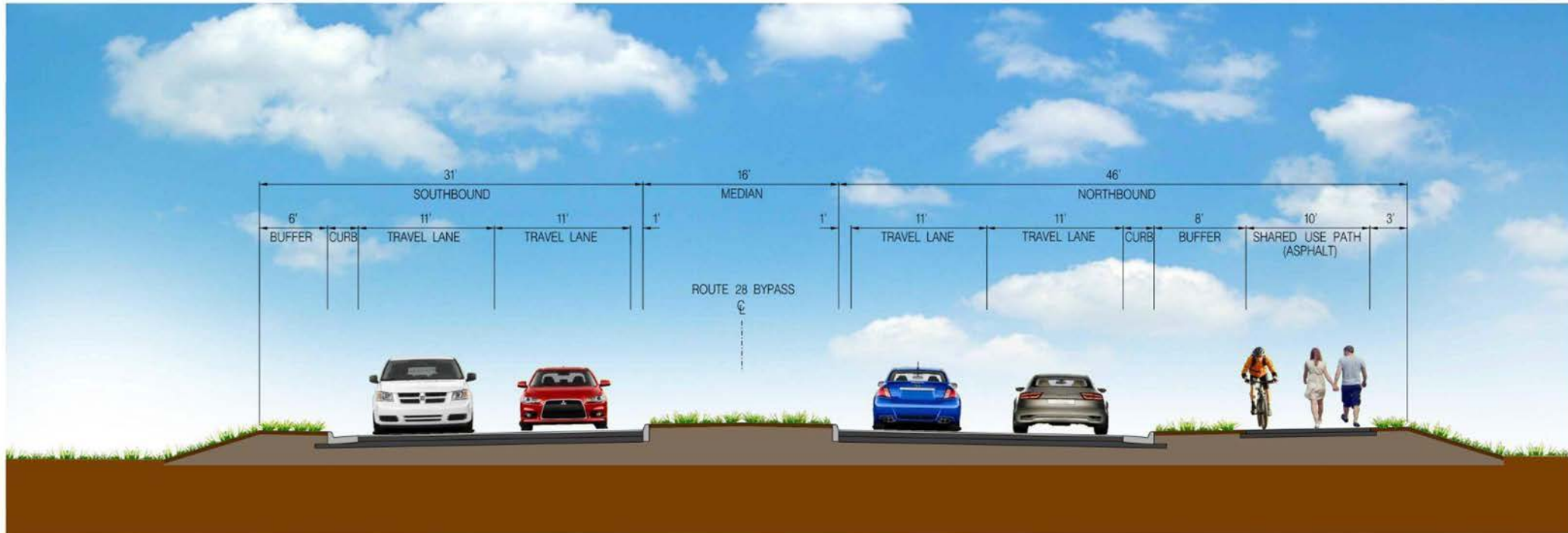
# Preliminary Design Activities Completed to Date

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- ✓ Base Survey and Utility Locating
- ✓ Traffic Data Collection
- ✓ Traffic Analysis and Modelling
- ✓ Evaluated Project Constraints and established Design Criteria
- ✓ 1<sup>st</sup> Phase of Geotechnical Field Work
- ✓ Hydrology & Floodplain Studies
- ✓ Roadway Design
- ✓ Bridge Study & Layout
- ✓ Evaluated Intersection Design Options
- ✓ Stormwater Management Evaluation
- ✓ Utility Coordination



# Typical Section Route 28 Bypass

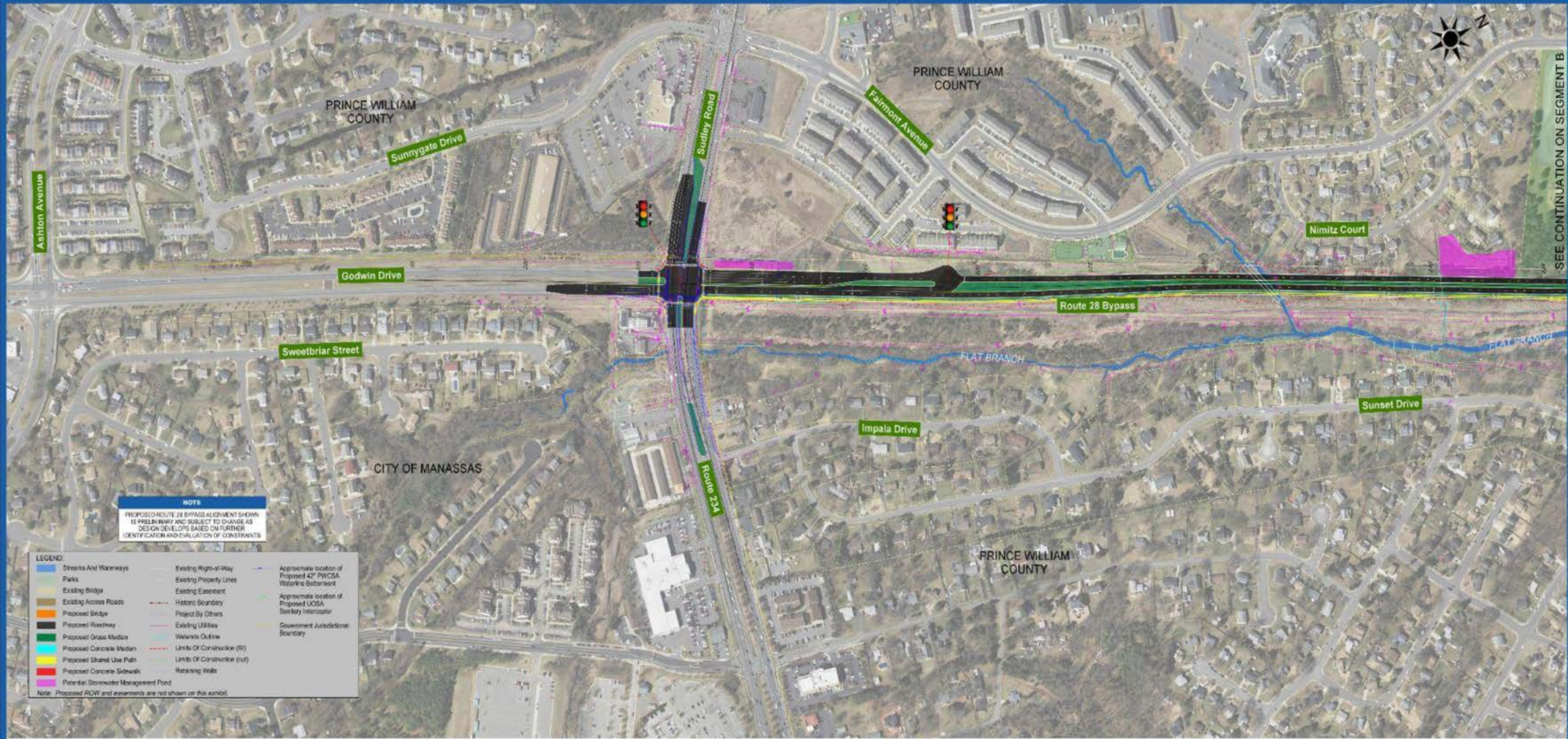


**PUBLIC INFORMATION MEETING**



# ROUTE 28 BYPASS SEGMENT A

PUBLIC INFORMATION MEETING



SEE CONTINUATION ON SEGMENT B

**NOTE**  
PROPOSED ROUTE 28 BYPASS ALIGNMENT SHOWN IS PRELIMINARY AND SUBJECT TO CHANGE AS DESIGN DEVELOPS BASED ON FURTHER IDENTIFICATION AND EVALUATION OF CONSTRAINTS

<b>LEGEND:</b>		
Streams And Waterways	Existing Right-of-Way	Approximate location of Proposed 42" PWCSEA Waterline Bottom
Parks	Existing Property Lines	Approximate location of Proposed UOGA Secondary Interceptor
Existing Bridges	Existing Easement	Government Jurisdictional Boundary
Existing Access Roads	Historic Boundary	
Proposed Bridge	Project By Others	
Proposed Roadway	Existing Utilities	
Proposed Grass Median	Wetlands Outline	
Proposed Concrete Median	Limits Of Construction (R)	
Proposed Shared Use Path	Limits Of Construction (L)	
Proposed Concrete Sidewalk	Retaining Walls	
Potential Stormwater Management Pond		

Note: Proposed ROW and easements are not shown on this exhibit.





# ROUTE 28 BYPASS SEGMENT B

PUBLIC INFORMATION MEETING



Key Map



SEE CONTINUATION ON SEGMENT A

SEE CONTINUATION ON SEGMENT C





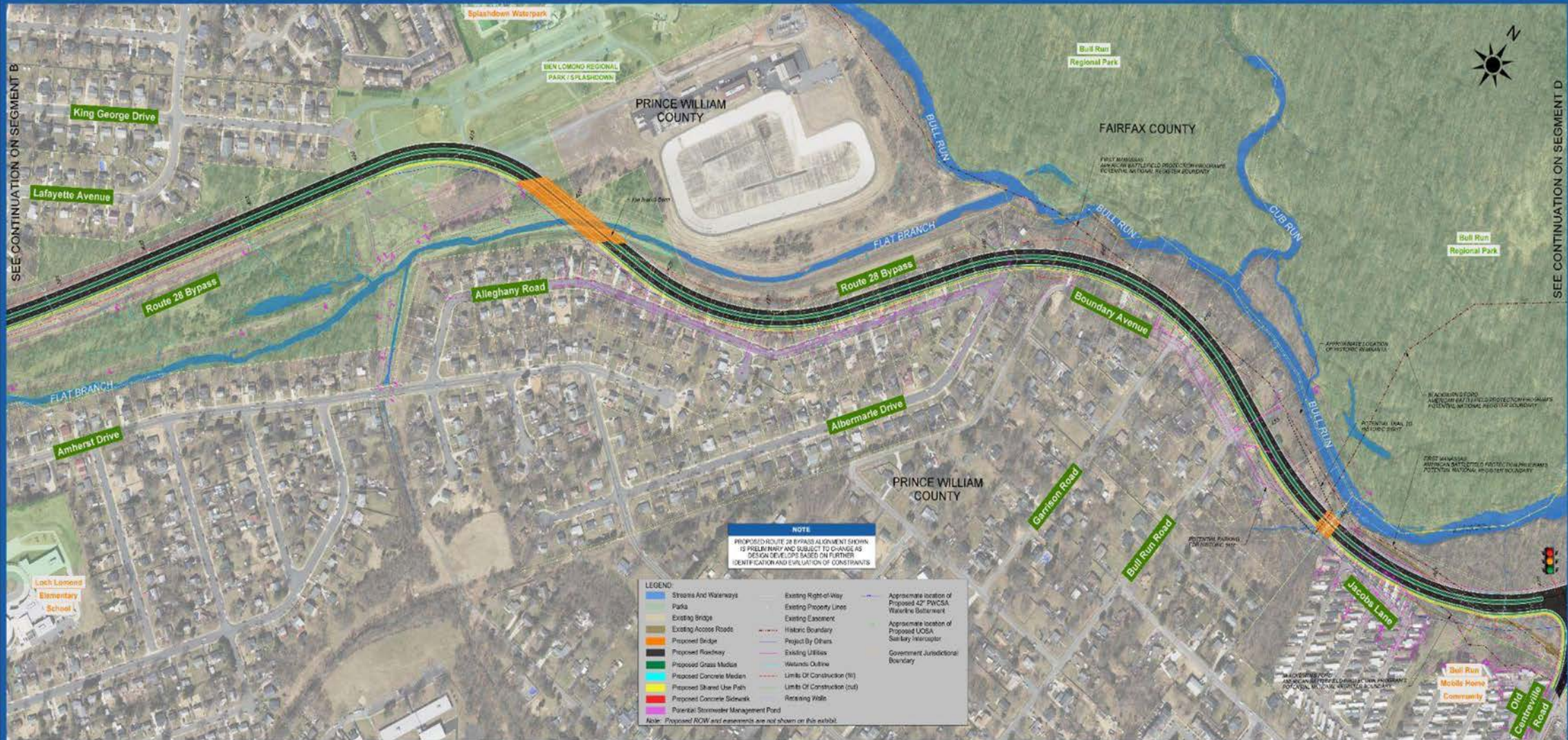


# ROUTE 28 BYPASS SEGMENT C

PUBLIC INFORMATION MEETING



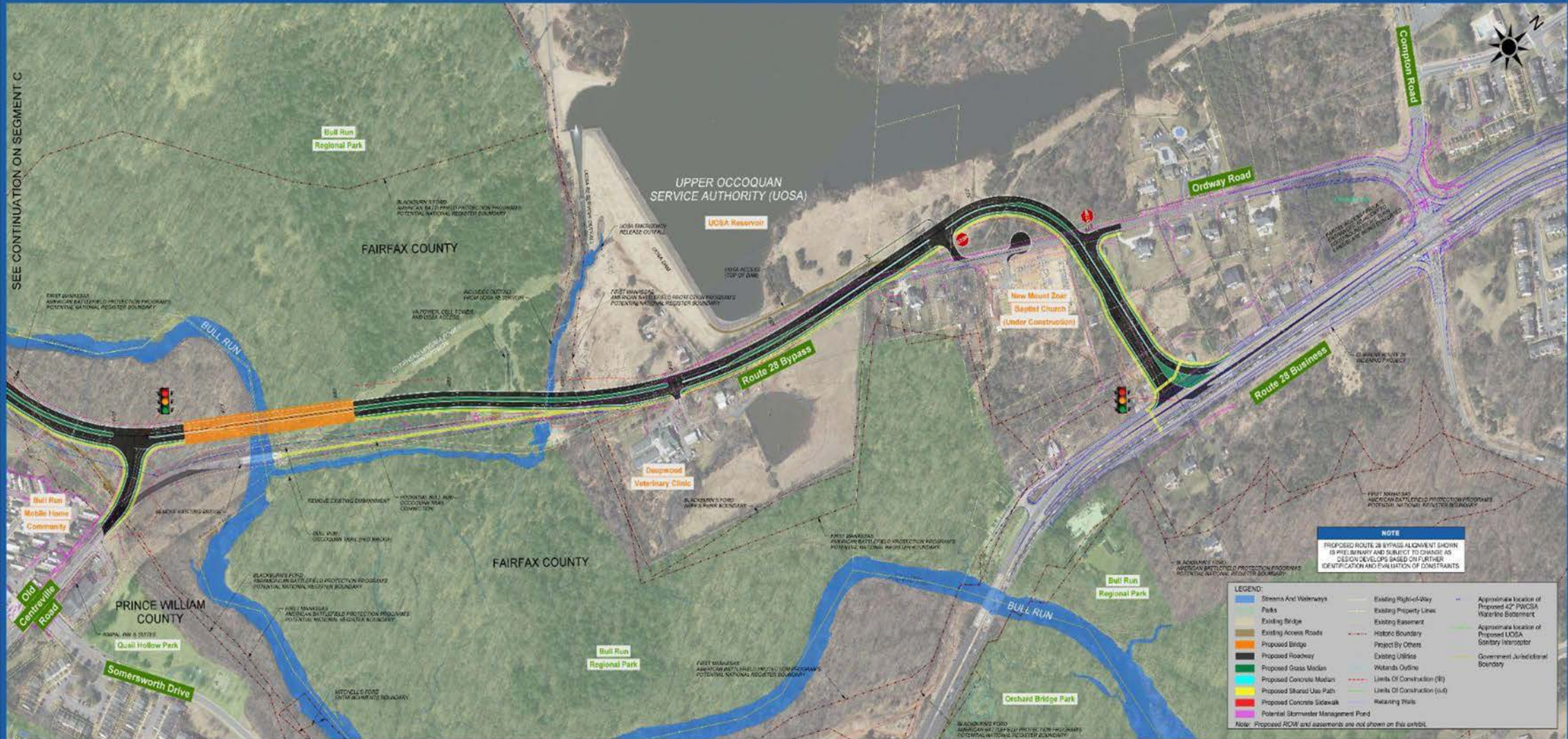
Key Map





# ROUTE 28 BYPASS SEGMENT D

## PUBLIC INFORMATION MEETING





# Design Activities – Next Steps

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- Gather input from the public
- Completion of Traffic Report
- Complete Phase 1 Geotechnical Report
- Complete Preliminary Hydraulics Report
- Preliminary Design Submission



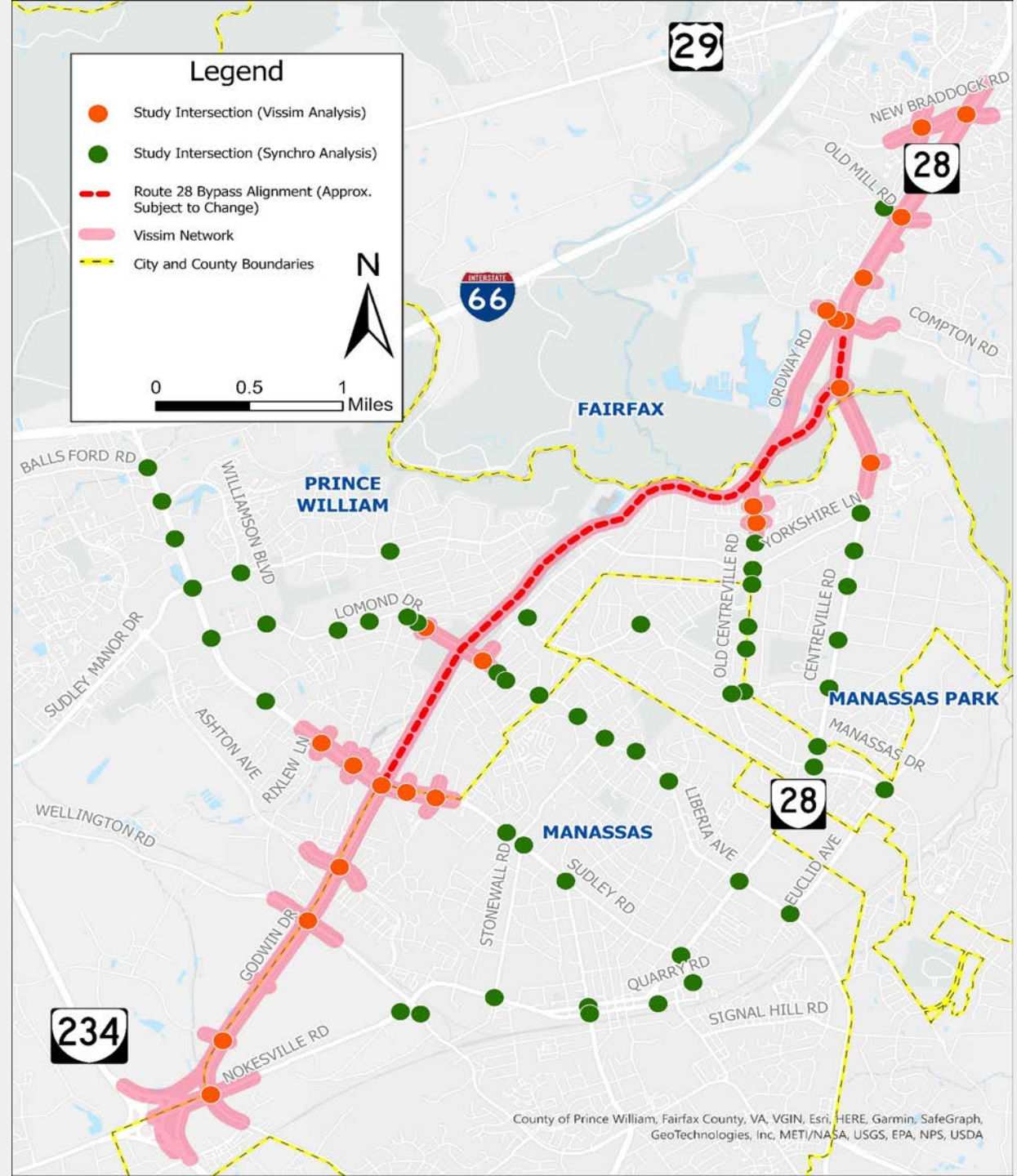
# Traffic Engineering

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# Traffic Analysis Status

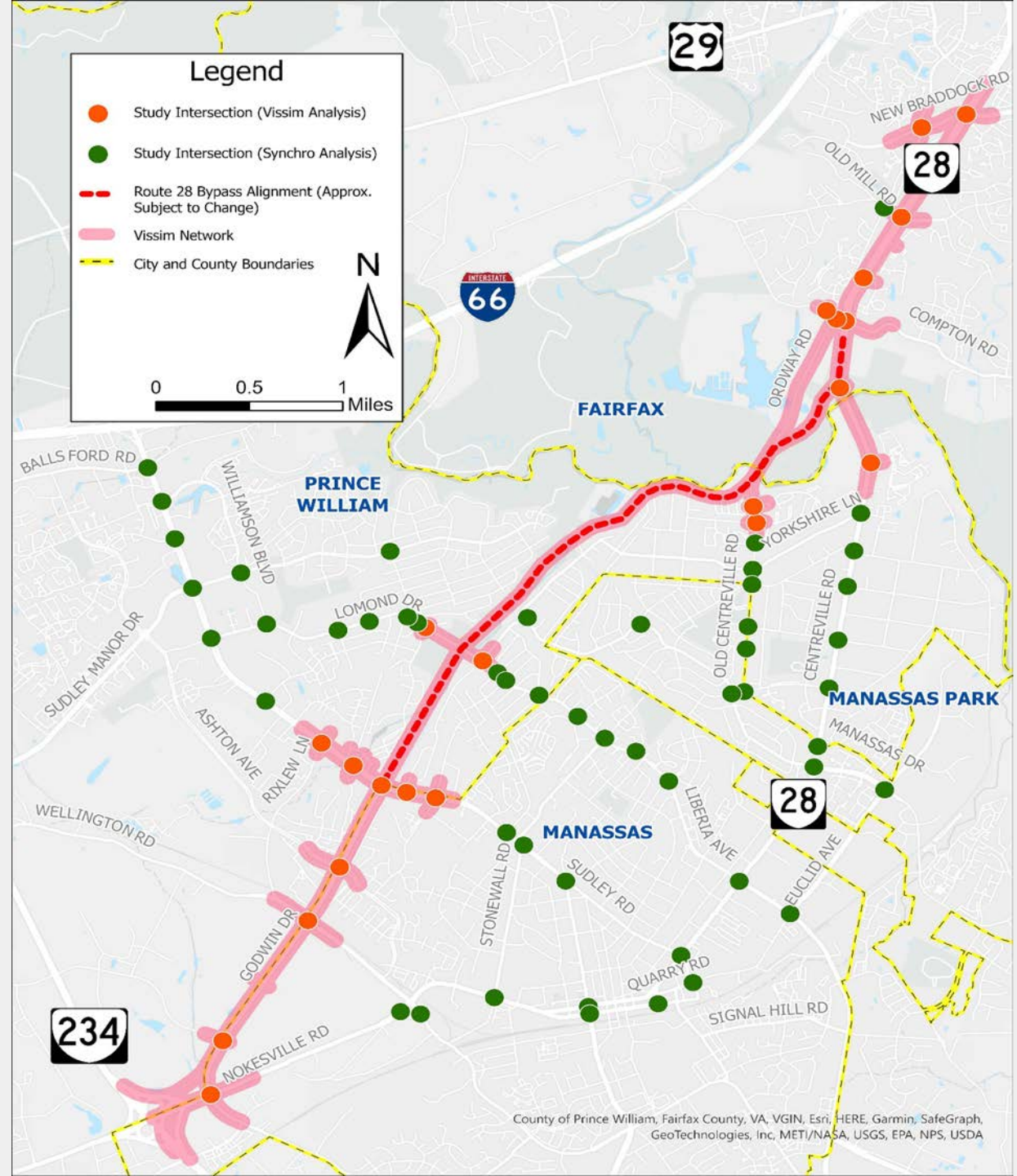
- New traffic study being performed as part of this project
- Collected existing traffic and crash data
  - Counts in February 2022
  - Counts were adjusted due to COVID-19 Impacts
- Analyzed existing, future No-Build and Build conditions
- Completed preliminary results, still finalizing and coordinating with VDOT and other agencies





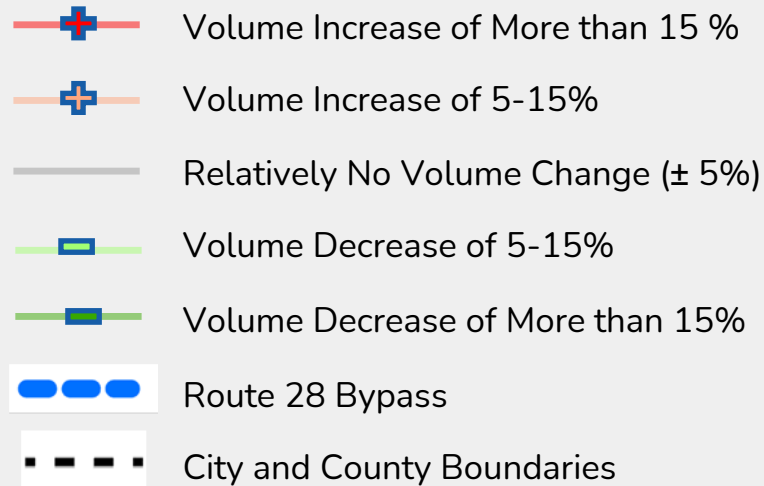
# Traffic Analysis Status (Cont'd)

- **Forecasted future traffic volumes**
  - Future planned land uses
  - Assumes future transportation projects
    - Notable projects are Route 28 widening in Fairfax County and I-66 Express Lanes
  - With and without Route 28 Bypass
  - Anticipated project opening year 2028 (in progress) and design year 2048
- **Analyzed future conditions without and with the Route 28 Bypass**



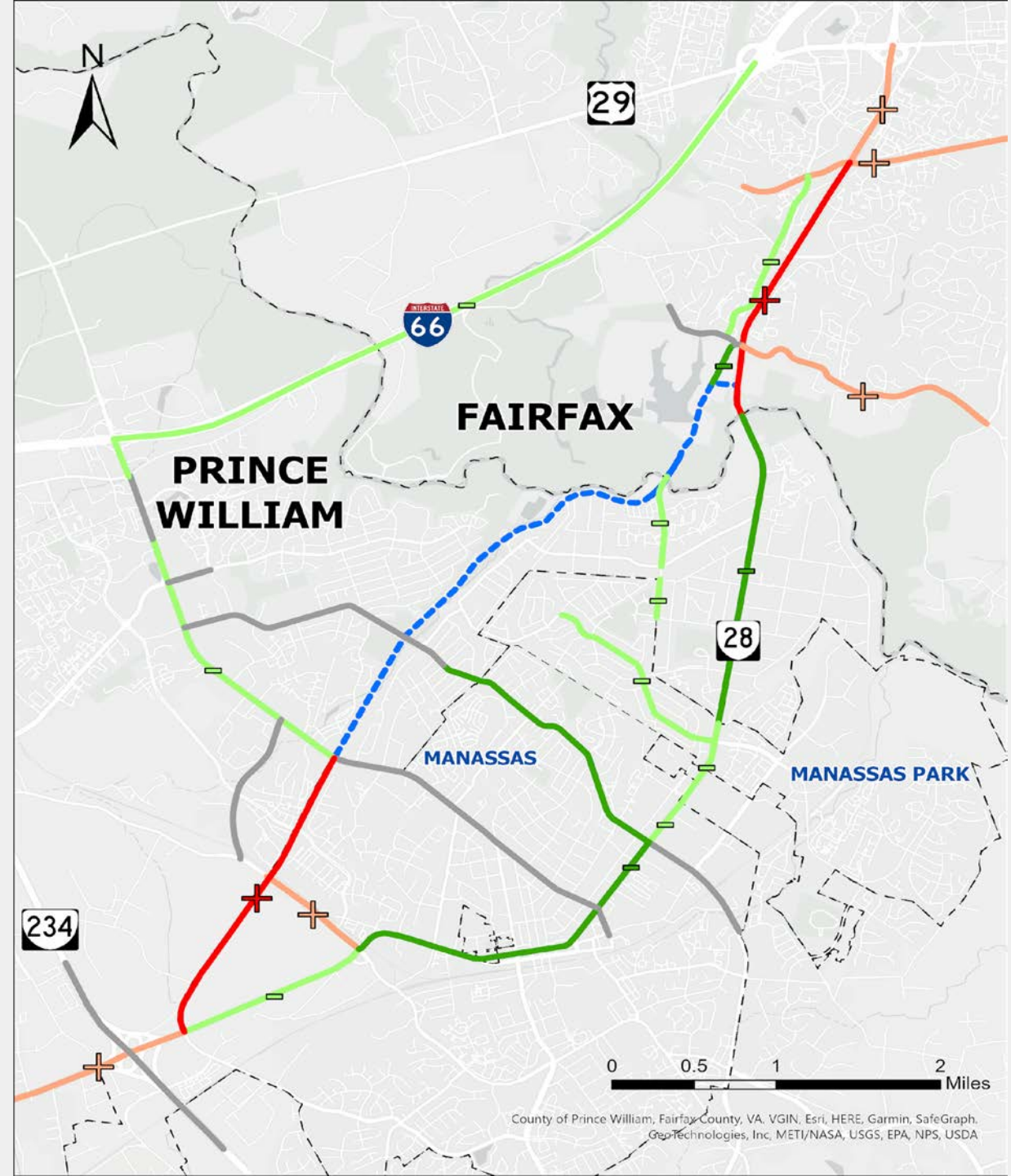
# Traffic Forecasts

## Roadway Segment Daily Volume Change (2048 with Bypass vs. 2048 without Bypass)



## Year 2048 Route 28 Bypass Forecasted Traffic Volumes

- Near Sudley Road: 35,000-40,000 vehicles per day (vpd)
- Near Centreville Road: 50,000 vpd










# Traffic Analyses Results – Intersection Delay

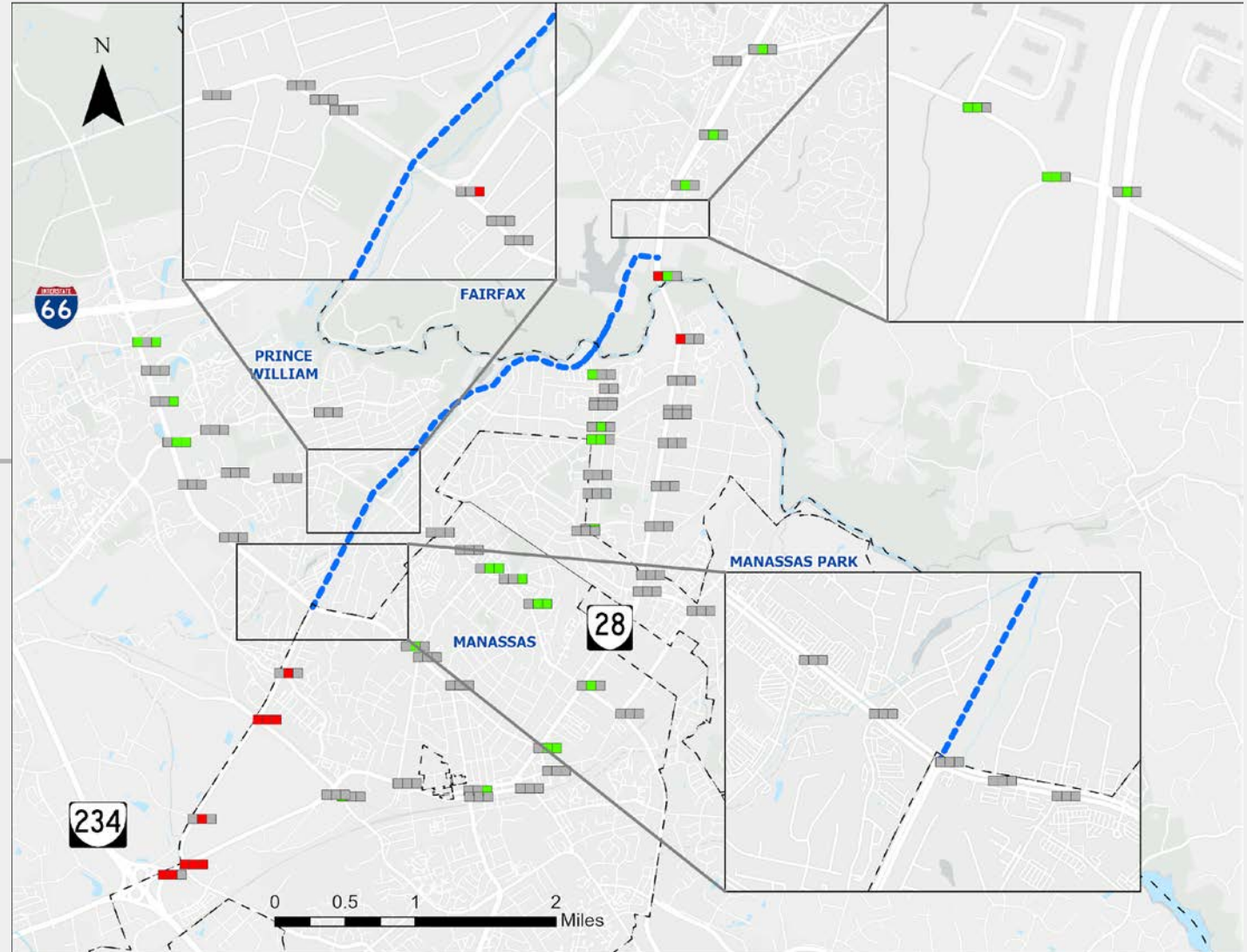
Intersection delay change  
(2048 Build with Bypass vs.  
2048 No Build without Bypass)

AM Peak  
Hour

PM Peak  
Hour

Saturday  
Peak Hour

-  Delay decrease of More than 15s
-  Delay increase/decrease of 15s or less
-  Delay increase of More than 15s
-  Route 28 Bypass
-  City and County Boundaries



# Traffic Analyses – Overall Key Findings

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- Overall traffic volumes will be **reduced across the roadways near the Route 28 Bypass.**
- **Traffic volumes upstream and downstream (Godwin Drive and Centreville Road) of the Route 28 Bypass will increase.**
- The Route 28 Bypass shows an **overall improvement to traffic operations** for the larger roadway network.
- These findings are still **preliminary**. The **final report is anticipated to be complete by Fall 2023.**



# Environmental Updates

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# Environmental Impacts

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- Homes
- Hydrology & Floodplains
- Streams & Wetlands
- Stormwater Management
- Historic Properties
- Archaeological Survey
- Endangered Species
- Bull Run Regional Park
- Noise
- Permits and Documentation

# Next Steps

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# Project Timeline

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**Summer  
2023**

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Submit  
**Preliminary  
Design Plans**



**Spring  
2024**

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Hold **Public  
Hearings** and  
Submit **Joint  
Permit  
Application**  
and  
**Intermediate  
Design Plans**



**Fall  
2024**

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Prince  
William/Fairfax  
County Board  
of Supervisors  
**Endorse  
Design**



**Spring  
2025**

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Submit **Final  
Design Plans**  
and Anticipate  
**Joint Permit  
Application  
Approval**



**2025**

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Begin **Right of  
Way Process**



**2026**

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Begin  
**Construction**

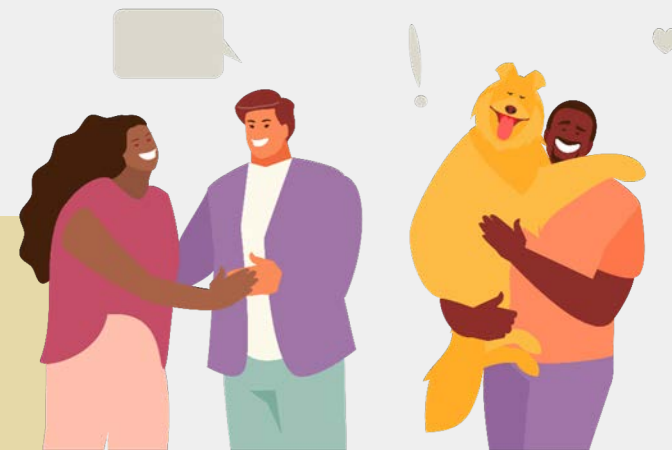
# How to Stay Involved

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# How can I find the latest information about the project?

The following efforts will continue throughout the entire project lifecycle.



1. Public Information Meetings
2. Route28Bypass.com Website
3. Social Media/Listservs

Board of County Supervisors Listservs,  
PWC DOT Listservs, Website Listserv, Facebook, Instagram, Twitter



# What opportunities are available to provide input?



Reach out to [Route28Bypass@pwcgov.org](mailto:Route28Bypass@pwcgov.org).



Submit ideas and questions on the [route28bypass.com](https://route28bypass.com) website.



Attend and provide input at future public information sessions.



Connect with your County Supervisor and other local elected officials.

# Question & Answers

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