



PRINCE WILLIAM
COUNTY

Public Information Meeting

Rte. 123 and Old Bridge Interchange

September 20, 2023

Mr. Rami Bazlamit P.E.
Project Manager
Prince William County Department of Transportation



Project Background



I-95 Corridor Improvement Plan

Initiated by the Commonwealth Transportation Board (CTB) in 2019 to identify a package of targeted operational, multimodal, and capital improvements that are expected to deliver faster, safer, and more reliable travel on I-95 throughout Virginia.

Final report issued in 2021 identifying potential improvements requiring further study to improve interchange configuration at Route 123 (Gordon Boulevard) to address safety and delay issues.

Strategically Targeted Affordable Roadway Solutions (STARS) Study

Initiated by VDOT in cooperation with Prince William County to identify and evaluate potential improvements to both the I-95 at Route 123 interchange and the Route 123 at Old Bridge Road intersection.

The purpose of this study was to evaluate existing operational and safety deficiencies at the I-95 at Route 123 interchange and Route 123 at Old Bridge Road intersection to develop potential projects to improve operations, safety, and interchange and intersection geometry.

Project Background



Following the STARS Study, two separate projects have been initiated

I-95 & Route 123 Interchange Improvements (VDOT-Administered)

- Project is fully funded (\$76 Million)
- Design is ongoing
- Upcoming Public Information Meeting 9/28/23 (Virtual)
- Estimated completion December 2027

Route 123 & Old Bridge Road Interchange (PWCDOT-Administered)

- PWCDOT is seeking project funding (currently partially funded)
- Additional studies are being performed to refine the STARS Study recommended alternative before advancing to project design
- Alternatives development is being performed in coordination with VDOT project

Alternatives Analysis

STARS Study - Route 123 & Old Bridge Road Intersection

Existing Conditions:

- Weaving movement from southbound I-95 off-ramp to northbound left turn at Old Bridge Road
- Overcapacity intersections on Route 123 that propagate queues onto the southbound I-95 off-ramp
- Eastbound Old Bridge Road queues due to impacts of over-capacity conditions at the Route 123 and Occoquan Road intersections

Safety Analysis (2015-2020):

- Route 123 at Old Bridge Road (89 total crashes with 66 percent rear end and 22 percent angle)
- Route 123 at Devils Reach Road (86 total crashes with 59 percent rear end, 21 percent angle, and 13 percent sideswipe same direction)

Alternatives Analysis

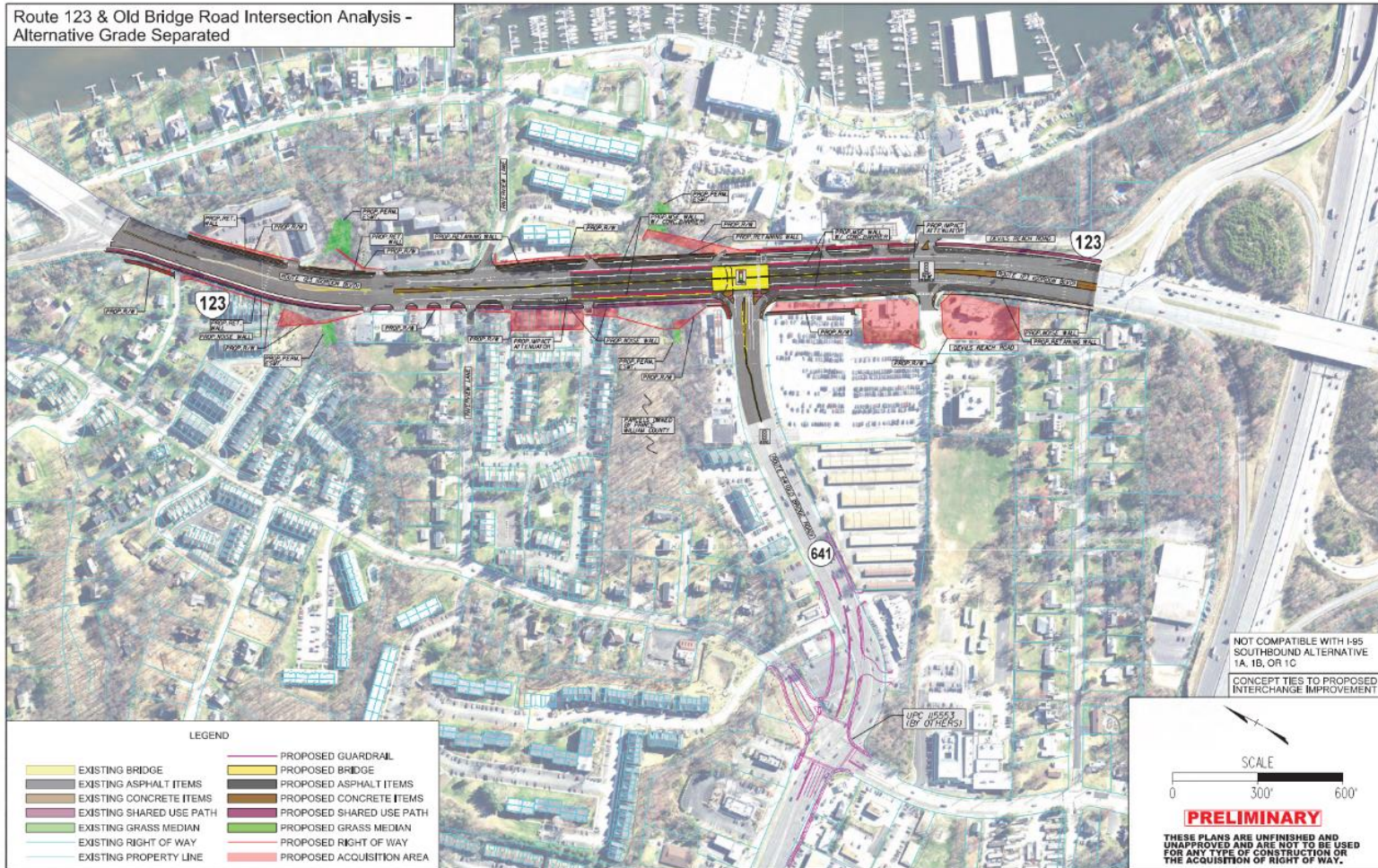
- 20 alternative intersection improvement options screened
- 4 concepts were selected for refined analysis

Stars Alternative Analysis (Elevated Lefts)

Route 123 & Old Bridge Road Intersection Analysis -
Alternative Elevated Lefts

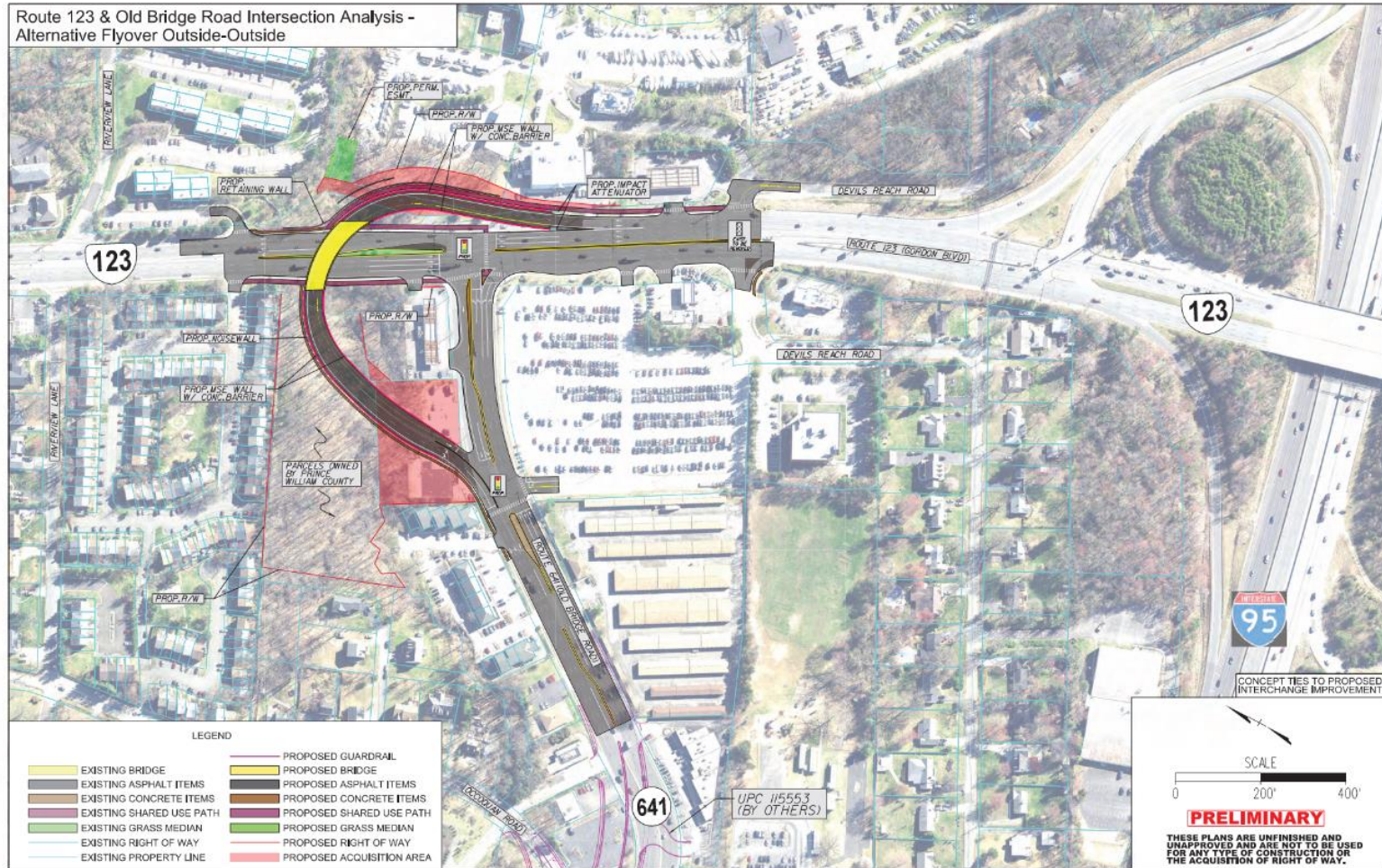


Stars Alternative Analysis (Grade Separated)

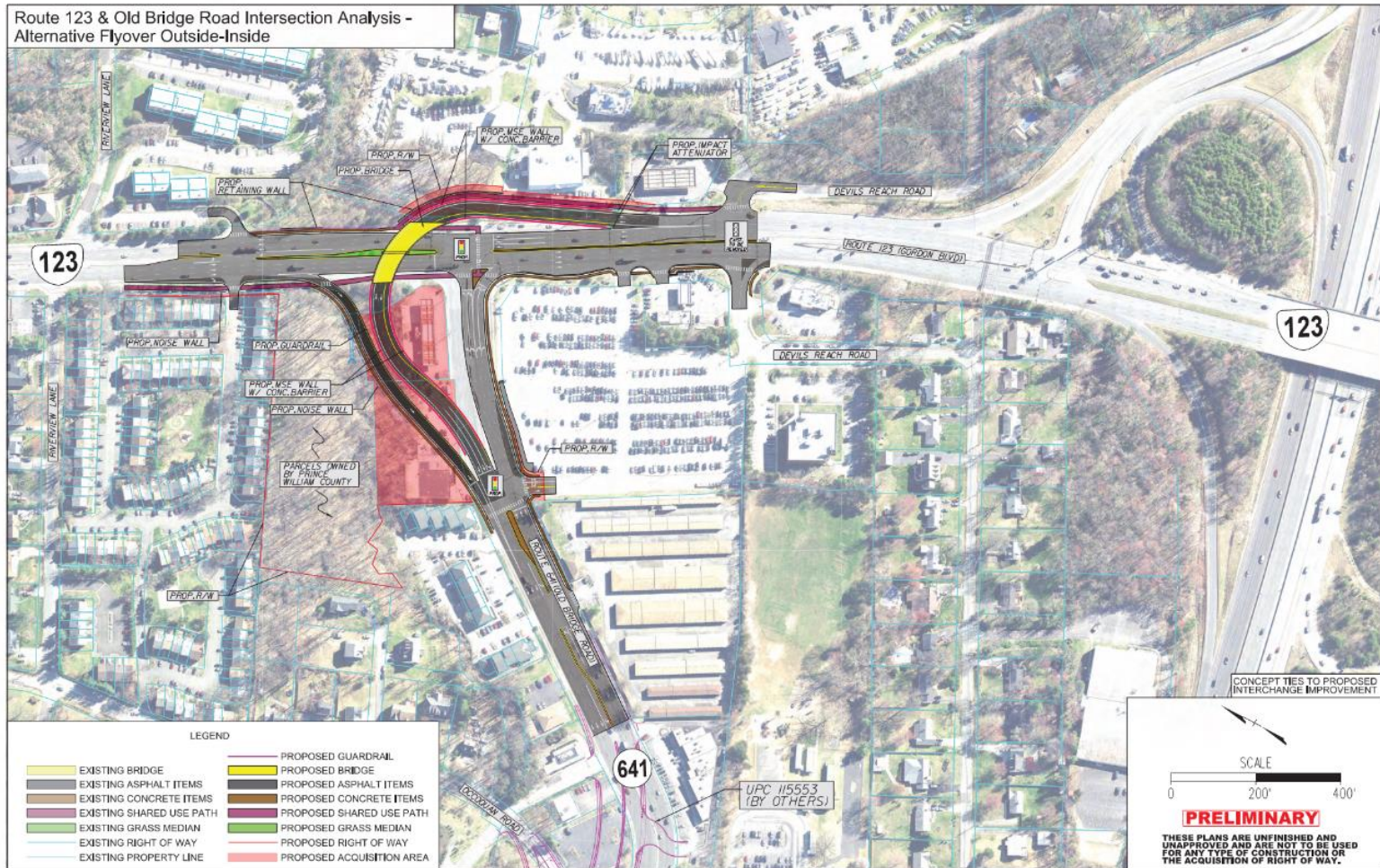


G-11

Stars Alternative Analysis (Outside Outside)

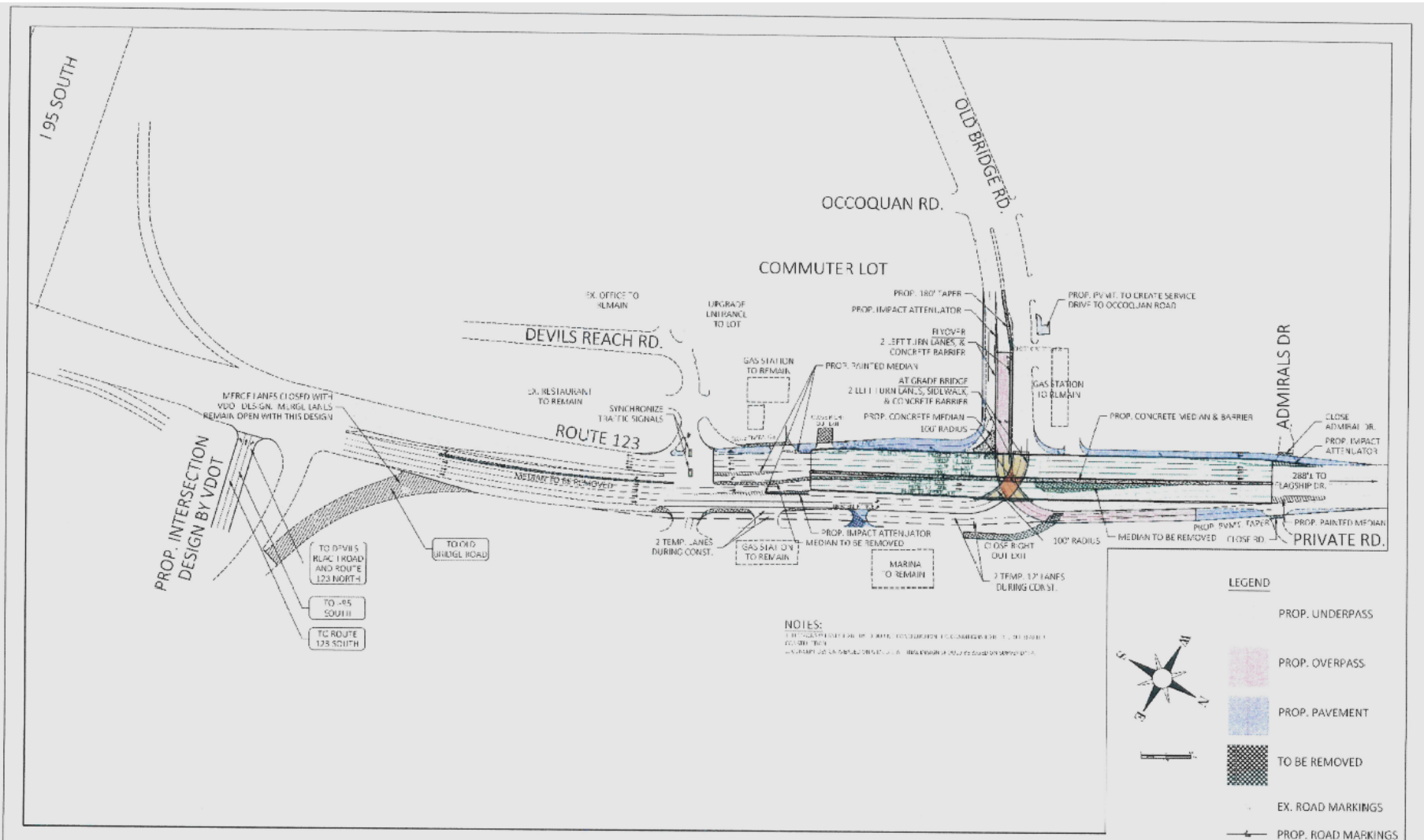


Stars Alternative Analysis (Outside Inside)



G-10


County Consideration of 123 Coalition Concept



NOTES:
 1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

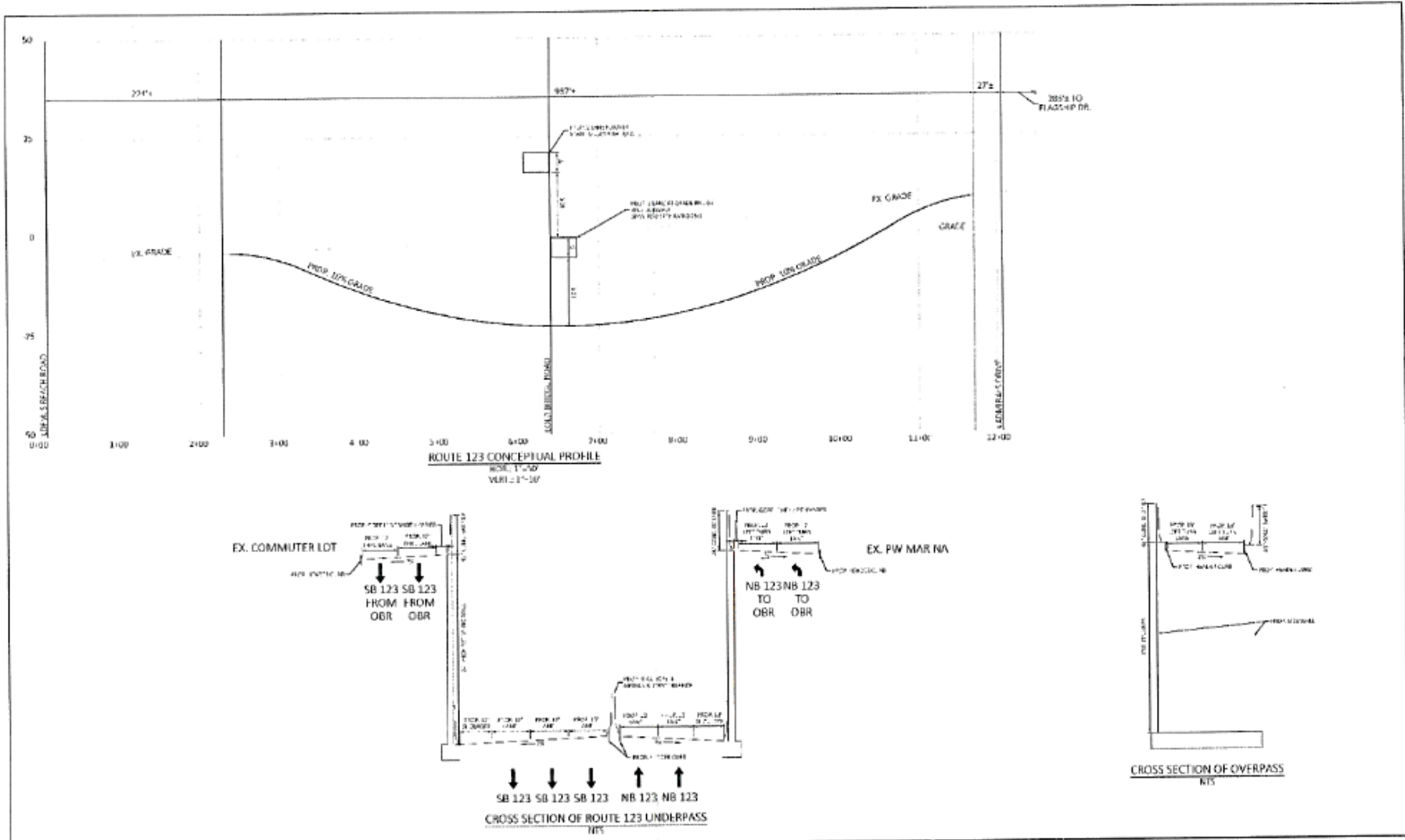
LEGEND

- PROP. UNDERPASS
- PROP. OVERPASS
- PROP. PAVEMENT
- TO BE REMOVED
- EX. ROAD MARKINGS
- PROP. ROAD MARKINGS



ROUTE 123/OLD BRIDGE ROAD UNDERPASS CONCEPT ALTERNATIVE DESIGN

County Consideration of 123 Coalition Concept



ROUTE 123/OLD BRIDGE ROAD UNDERPASS CONCEPT ALTERNATIVE DESIGN

JUNE 25, 2023

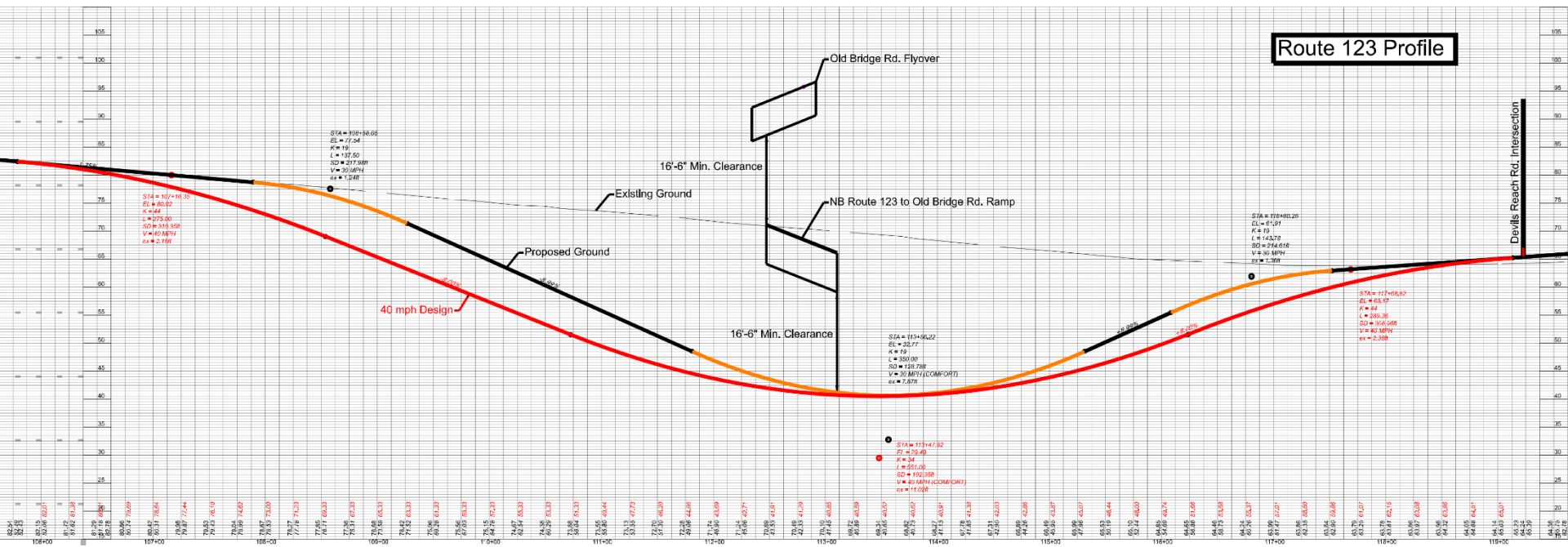
County Consideration of 123 Coalition Concept

Concept Evaluation Overview

- Geometrics
 - Substandard horizontal & vertical geometrics
 - Typical section deficiencies
 - Ramp gore and shoulder deficiencies
- Traffic
 - Entrances located within intersection and ramp areas
 - Proposed signal to remain at Devils Reach
 - Weave issues not resolved
- Access Issues
 - Park and Ride entrance closure
 - Admiral Drive closure
 - The Moorings entrance closure
 - Marina access
- Maintenance of traffic
 - Additional construction area needed for underpass

County Consideration of 123 Coalition Concept

- Red vertical shown (40 mph) would impact intersection at Devil's Reach and have additional residential total take impacts.



County Refinement of STARS Alternatives



PWCDOT has initiated additional alternatives analysis following input from the community and stakeholders

Additional Analysis Goal

The intent of the additional analysis is to develop a preferred alternative that achieves the project goals of reducing congestion and improving safety while improving upon the concepts developed through the STARS Study by:

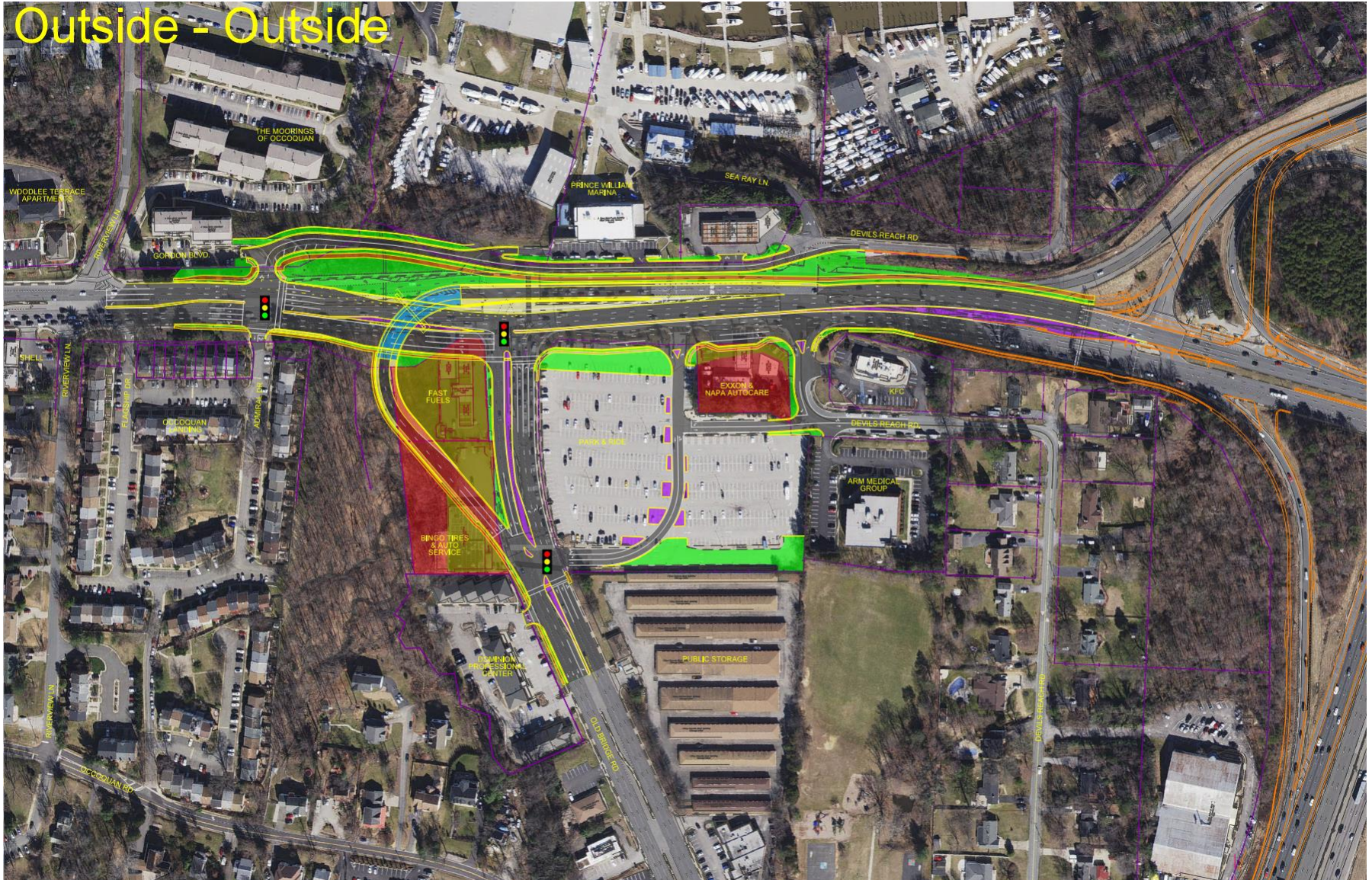
- **Reducing impacts to adjacent businesses**
- **Providing improved access to/from businesses and adjacent communities**

Design Considerations

- VDOT & County design standards
- Traffic analysis
- Community input and suggested design concepts (access focused)
- Constructability
- Estimated project cost

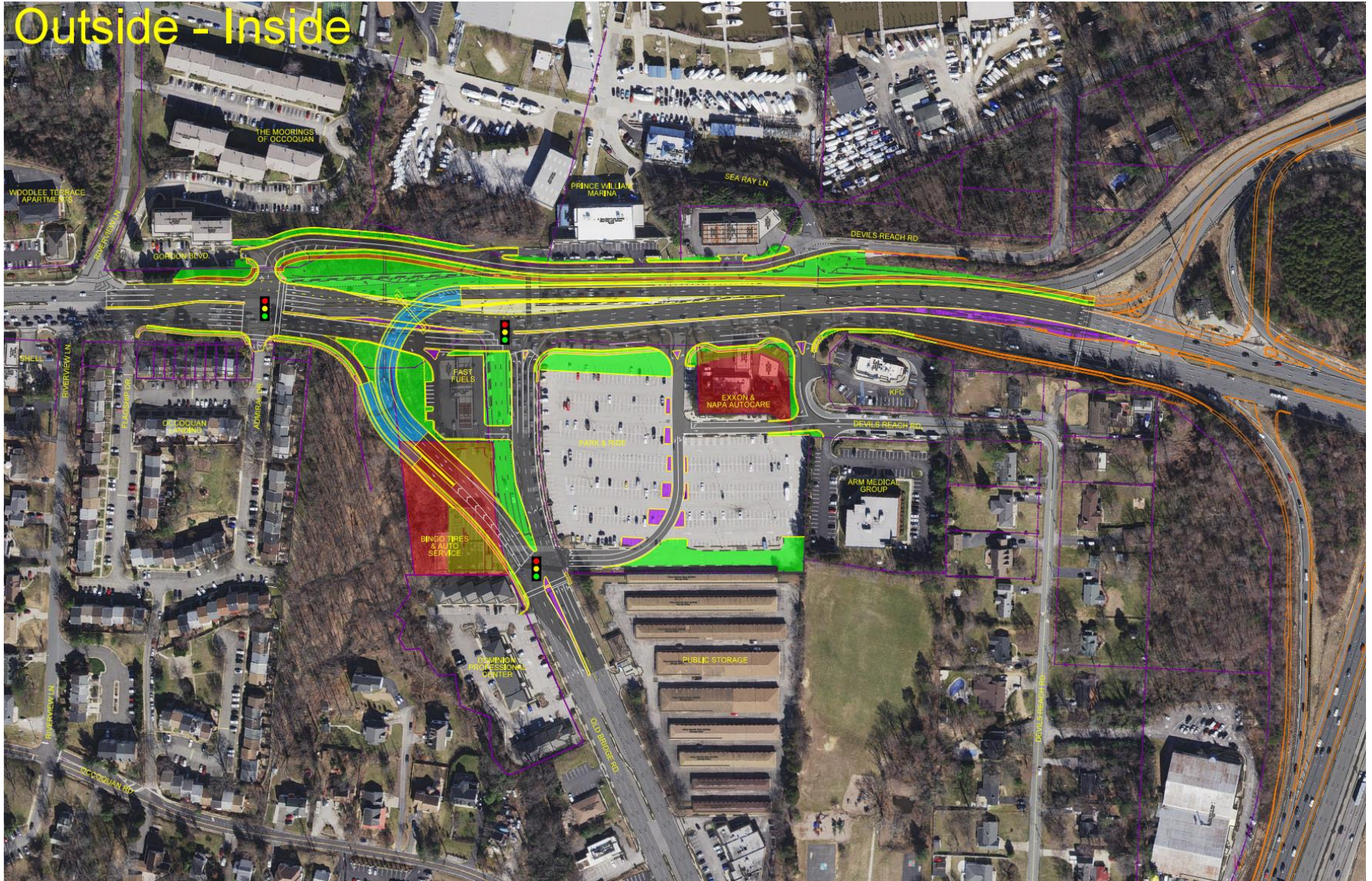
Refined Outside-Outside

Outside - Outside




Refined Outside-Inside (Preferred Alternative)

Outside - Inside



Preferred Alternative (Refined Outside-Inside)

Project Location



Contact Information

City of Arlington
Project: Prince William County, City of Transportation
10000 Old Bridge Rd., Suite 200
Arlington, VA 22202
703-745-7000

By: 100 Interchange at Old Bridge Rd.
Project: 100 Interchange at Old Bridge Rd.
703-745-7000

These plans are unperfected and unapproved and are not to be used for any purpose other than the one stated on the face of any sheet. No responsibility is assumed for any errors or omissions or for any consequences that may result from the use of these plans. Every drawing is for these plans.



Preferred Alternative (Refined Outside-Inside)

Project Location



Contact Information

Project Engineer
Project Manager
Project Director
Project Director
Project Director

Site: 100 Interchange of Old Bridge Rd.
Plan: 10001
10001 Interchange of Old Bridge Rd.
10001 Interchange of Old Bridge Rd.

These drawings are prepared and completed and are not to be used for any type of construction or other purpose without the approval of the engineer. The engineer is not responsible for any errors or omissions in these drawings or for any consequences that may arise from their use.

Emergency contact: 911



Preferred Alternative (Potential Devil's Reach Extension)

Devil's Reach Road would be diverted through Park and Ride to the Full Signalized Intersection.



Existing Park and Ride: Approx. 600 Spaces

Parking Loss: Approx. 60 Spaces

County Refinement of STARS Alternatives



PWCDOT “Outside-Inside Flyover” Alternative Concept Overview

- Achieves project goals of reducing congestion and improving safety by replacing triple left turns to Old Bridge with flyover ramp
- Shifts proposed Route 123 west to minimize impacts to PW Marina and Shell gas station
- Devils Reach access to Route 123
 - Extends Devils Reach (east of Route 123) to a new signalized intersection at Admiral Drive and The Moorings entrance
 - Potential extension of Devils Reach (west of Route 123) to Old Bridge Road through commuter lot (requires further VDOT coordination)
- Improves constructability and maintenance of traffic during construction
- 2 business relocations anticipated (Exxon station & Bingo Tires/Auto Service)

Next Steps

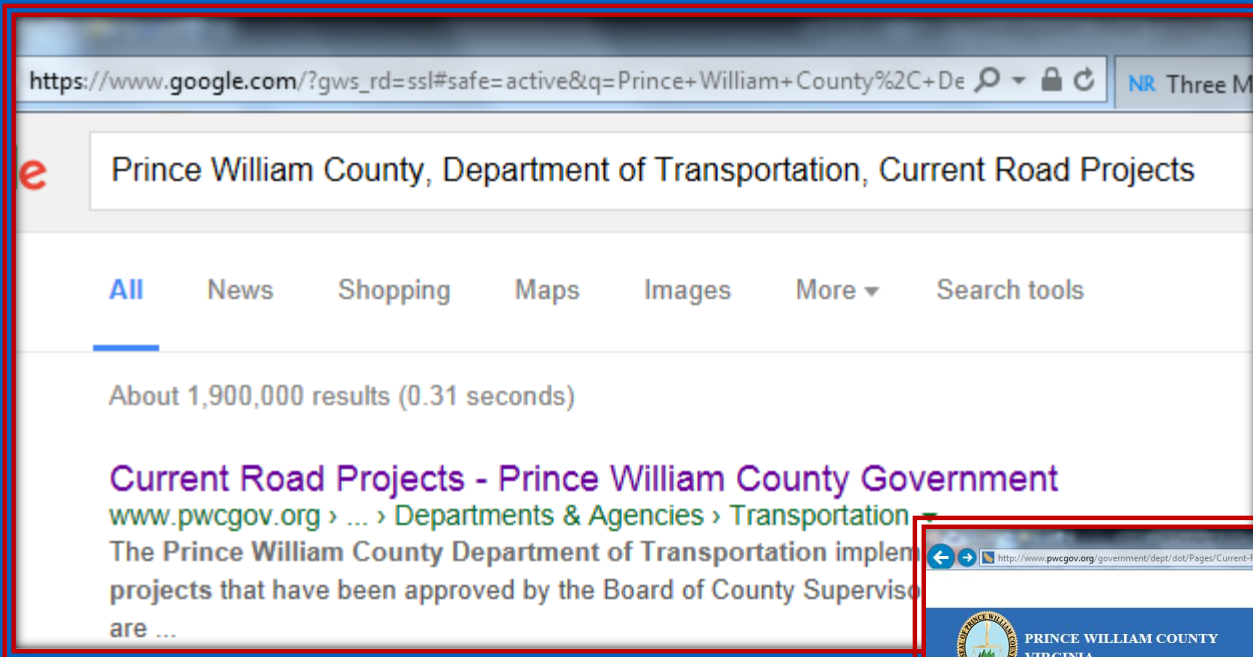
- Receive and evaluate comments from tonight's Public Information Meeting
- Refine the concept based on public comments
- Engage further with VDOT to evaluate the concept design
- Initiate preliminary design, environmental studies, and detailed traffic analysis (Interchange Access Report)
- Continue public outreach
 - Additional Public Information Meeting to be held during preliminary design phase
 - Formal Public Hearing to be held following completion of environmental review and traffic analysis (Interchange Access Report)

Anticipated Project Schedule

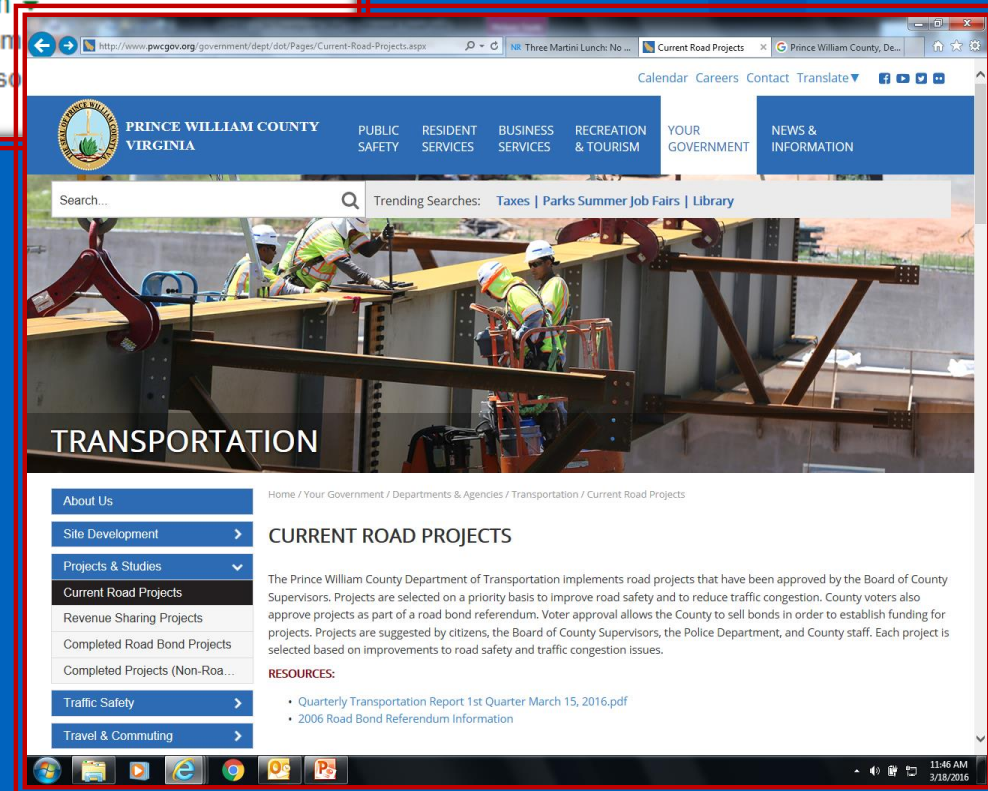


- Sep. 2023 - Public Information Meeting
- Oct. 2023 – Jan. 2024 – Anticipated Concept refinement and VDOT engagement
- Feb. 2024 – Feb. 2025 – Anticipated Preliminary design, Environmental Studies, Interchange Access Report
- Fall 2024 – Anticipated 2nd Public Information Meeting
- Spring 2025 – Anticipated Public Hearing (Depending on Funding)
- 2025-2026 – Anticipated Final Design (Depending on Funding)
- 2026-2027 – Anticipated Right of Way Acquisition & Utility Relocation (Depending on Funding).
- 2028-2029 – Anticipated Project Construction (Depending on Funding)

General Transportation Information



Access to the presentation materials can be found on the web at:
<https://www.pwcva.gov/department/transportation/current-road-projects>



Questions, Comments, Concerns?

Staff from Prince William County Department of Transportation and the Design Team are available to discuss the project and answer questions.

Comments can be submitted to Prince William County's Project Manager, **Mr. Rami Bazlamit**.

By Email: RBazlamit@pwcgov.org

Ref: Route 123/Old Bridge Road Public Meeting Comments

Or By Mail:

Ms. Rami Bazlamit

Prince William County DOT

5 County Complex Court, Suite 290

Prince William, VA 22192

Phone: (703)-792-8164



Please submit comments by
October 4, 2023