

# Prince William County Department of Transportation

Joint Mobility Report October 10, 2023

## **Presentation Overview**



- Grants Updates
- Recently Completed Projects
- Transit Update
- VDOT I-66/Transform 66 Improvement Projects
- Small Safety Operational Improvements
- Active Projects
  - Design Phase
  - Right-of-Way/ Utilities Phase
  - Construction Phase
- Bicycle and Pedestrian Improvements Projects
- Questions



**Balls Ford Road Widening** 





## **Grants Update**

## **Update on Grants and Funding Past 12 Months**



#### **Funded Applications/Projects**

Program	Fund Type	Requested Total Amount	Approved Funding	Project(s)
Safe Streets and Roads for All Grant Program	Federal	\$1,000,000	\$992,000	County-wide Comprehensive Safety Action Plan
VA Highway Safety Fund	Federal	\$33.4M	\$33.4.M	Rollins Ford Road (2) Roundabouts (\$8.92M Approved) Route 28 - Centreville Road Innovative Intersections (\$24.48M Approved)
Congressional Funding	Federal	\$5.38M	\$4.58M	North Woodbridge Pedestrian Bridge (\$4M Approved) Rollins Ford Road at Estate Manor Drive Roundabout - PE phase (\$580k Approved)
Transportation and Land Use Connections	Regional/ Local	\$160,000	\$155,000	Yorkshire Multimodal Corridor Planning Study (\$80k Approved) Green Infrastructure Planning Study (\$75k Approved)
Regional Safety Program	Regional/ Local	\$160,000	\$50,000	Darbydale/Forestdale Avenue Retrofitting Project
SMART SCALE	Federal	\$20M	\$20M	Route 234 Business (Battleview to Godwin) Improvements

#### **Not Selected for Funding**

Program	Fund Type	Requested Total Amount	Project(s)			
Transportation and Land Use Connections	Regional/Local	\$160,000	The Landing at Prince William Transit Center (\$80k) Sudley Road Corridor Placemaking Study (\$80k)			
Regional Safety Program	Regional/Local	\$80,000	Prince William County Street Smart Campaign			
Multimodal Project Discretionary Grant	Federal	\$100M	Route 123 at I-95 Corridor Improvements			
RAISE	Federal	\$25M	Prince William Parkway/Minnieville Interchange			
Railroad Crossing Elimination Program	Federal	\$5.25M	Haymarket Railroad Crossing Safety Improvements			

## **Update on Grants and Funding Past 12 Months**



#### **Applications Under Review / Pending**

Program	Fund Type	Requested Total Amount	Approved Funding			
Charging & Fueling Infrastructure Program	Federal	\$800,000	Chinn Park Library and Chinn Aquatics & Fitness Center			
Revenue Sharing	State	\$10M	University Boulevard Extension (Devlin Road to Wellington Road) Old Bridge Road at 123 (Gordon Boulevard)			
Transportation Alternative Set-Aside	State	\$10M	-Tayloe Drive Sidewalk (Route 234 to end of State Maintenance) -Graham Park Road Sidewalk (Jillian Lane to Graham Park Middle School) -Lions Field Road Sidewalk (Fuller Heights Road to Triangle Elementary School) -Benita Fitzgerald Drive Sidewalk (Brickwood Drive to Cloverdale Road) -Colchester Road Sidewalk (Featherstone to Randall Dr)			
Northern Virginia Transportation Authority (NVTA) Six-Year Program	Regional	\$172M	-Route 234 and Sudley Manor Drive Interchange -Route 234 Bicycle and Pedestrian Facility over I-95 -Route 234 Operational Improvements -The Landing at Prince William Transit Center -Triangle Mobility Hub and First/Last Mile Connection Improvements			
Multimodal Project Discretionary Grant Program (MPDG)	Federal	\$50M	Prince William Parkway/Minnieville Interchange			
Promoting Resilient Operations for Transformative, Efficient, and Cost- Saving Transportation (PROTECT) Program	Federal	\$1.38M	-PWC Evacuation Operationalization Plan -Flooded Roadway Mitigation Study			

**Upcoming Grant Opportunities** 

Program	Fund Type	Due Date
I-66 Commuter Choice FY2025-2026	Toll Revenue	December 2023
FY 2023 Railroad Crossing Elimination Grant	Federal	Winter 2024
FY 2024 RAISE	Federal	Winter 2024



## **Recently Completed Projects**

### **Old Carolina Road Sidewalk**



**Brentsville Magisterial District** 

Purpose: Construct a six-foot wide asphalt sidewalk to connect a 680-foot missing section.

#### **Updates:**

The project was completed in September 2023.

#### **Status:** Complete

- Construction began— February 2023
- Construction ended September 2023
- Project Budget: \$1,414,457
- Project Funding: Federal and Local





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## **Transit Update**



## Virginia Railway Express (VRE)

# **Broad Run Station and Yard Improvements**



#### Purpose: Expand station and train storage capacity

#### **Updates:**

- 60% design plans are under review.
- Property acquisition is ongoing.

Ongoing coordination with Norfolk Southern Railway, Prince William County, Manassas Regional

Airport, City of Manassas.

#### **Status: Under Design**

- PE and NEPA are complete.
- Final design complete 2024
- Construction complete 2027

#### **Related Projects:**

Route 28, Phase III





## **Quantico Station Improvements**



**Potomac Magisterial District** 

#### **Purpose: Construct station improvements**

#### **Updates:**

- Construction is ongoing.
- VRE staff coordinating with MCBQ staff for Base Command status briefing.

#### **Status: Under Construction**

- Structural Steel for the Pedestrian Bridge was erected in August 2022.
- Platform concrete complete.
- Retaining wall north of Potomac Avenue 2023.
- Construction completion anticipated 2024.

#### **Related Projects:**

- Arkendale to Powell's Creek 3rd track by Virginia Passenger Rail Authority (VPRA).
- Transforming Rail in Virginia Program future 4th track.



Please visit VRE Quantico Station Improvements Video for project details and construction progress video.



## VRE Ridership Update



#### Purpose: Strategies to recover and grow ridership while continuing to ensure the safety of passengers and staff.

- **VRE** promotional fares
  - VRE Mobile \$5 Zone 1-3 fare promotion continues.
  - Free Fare Fridays promotion ended September 1.
  - Average Friday ridership for August 2023 was 5,306 or nearly 70% greater than August 2022.
- Monthly average daily ridership (ADR) for all days in August 2023 was 6,377.
  - Ridership in June, July, and August is 23% greater than the same months in 2022.
  - VRE ridership dips seasonally in November-December and July-August and then trends upward in Spring and Fall.
  - ADR has grown by 46% since December 2022.
- Average mid-week (Tuesday, Wednesday, Thursday only) ridership for August was 6,932.

#### ON-TIME PERFORMANCE

	July 2023	June 2023	July 2022
Manassas Line	68%	86%	80%
Fredericksburg Line	75%	90%	87%
Systemwide	71%	88%	83%





## **OmniRide**

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### **OMNIRIDE Microtransit Service**



#### Purpose: New Demand Responsive Service in Dumfries/Triangle/Quantico

#### **Updates:**

- Began operation in the Dumfries/Triangle/Quantico zone June 5, 2023.
- Identical to operations in Manassas Park that launched in December.
- Operating alongside high ridership fixed route service.
- Allows for new service to Fortuna Plaza area of Route 234
- Utilizes app, website, or calling Customer Service for ride.
- More flexible and efficient in residential areas.
- Will combine resources with paratransit operations in spring 2024 to minimize need for operator and vehicle resources. (this is currently occurring in Manassas/Manassas Park).
- Passengers book trips within defined zone, including nearest bus stops if needed to connect with other services.

**Status:** Service is operational, and feedback has been positive.





## **OMNIRIDE Eastern Local Restructure**



#### Purpose: To update eastern local bus service and introduce demand responsive options

#### **Updates:**

- Implementation will take place in spring 2024.
- Goal is to make service more accessible, introduce new services along Minnieville Road, Route 234 and Prince William Parkway, providing increased access to jobs, healthcare, educational facilities and retail.
- Introduce intuitive route numbering system similar to western local services.
- New bus stop sign design, identical to the Manassas area bus stops that were introduced in late 2019.
- New transit hubs throughout eastern PWC to provide additional transfer opportunities rather than just at the OmniRide Transit Center.
- Comingled paratransit/microtransit service will be introduced to minimize resources and result in higher productivity of services

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SO29

**Status:** Approved by PRTC Commission in July 2023; outreach to customers will take place in fall/winter



## **OMNIRIDE** Recent Service Updates



#### Purpose: Continued monitoring and streamlining of operations as necessary

#### **Updates:**

- Continued streamlining of service to match supply with ridership demand, as well as to compensate for national workforce challenges.
- Focusing on safety and reliability to provide consistent and safe service.
- Most schedules have 'clock-faced' times, meaning it will be easier to remember when the buses will arrive; i.e. 5:45, 6:15, 6:45.
- Pentagon still has highest density of ridership and continues to be the strong center of activity for services.
- Lake Ridge commuter services consolidated into one route.
- Restructured Dale City-Pentagon-Arlington commuter services
- Local bus ridership has exceeded pre-pandemic and will continue to operate as it has.
- Saturday Manassas/Manassas Park local/demand responsive services launched August 26<sup>th</sup>.



Status: Service change took effect August 21st.



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## **OMNIRIDE Mobile Ticketing**



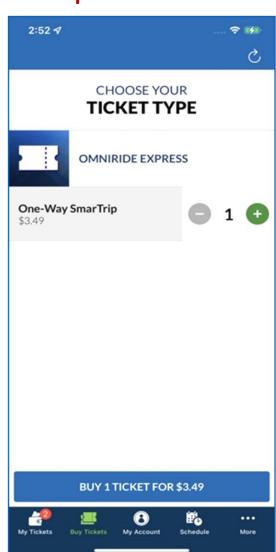
#### Purpose: To study new payment methods and look at networked fare products

#### **Updates:**

- Issued contract to American Eagle.
- Will allow visual validation and flexible fares.
- Using the same vendor as VRE will hopefully allow for additional network fare products down the line.
- Application launched in October 2022.
- Pilot expanded to be expanded to entire commuter fleet in Fall 2023.
- Mobile application will offer monthly pass for high frequency commuter riders

**Status:** Software is live and running on the Haymarket commuter route launched in October 2022. OmniRide is conducting a service expansion to all commuter routes in FY24.





## **OMNIRIDE Mobility Councils**



Purpose: Provide a forum for public input and dissemination of information.

#### **Updates:**

- OMNIRIDE continued with its Mobility Councils to better engage community:
  - Vanpool Council active (partner Vanpool Alliance), assisted in the development of Vanpool Parking Benefit project for Commuter Choice.
  - Employer Council active (partner GMU), working to develop travel tracking information for employers.
  - Hispanic Council is active and provides live translation in 13 languages with Wordly to improve access.

**Status**: Employer Council is active and met virtually in June 2023. Vanpool council met in June 2023. Hispanic council met in June 2023 and is working with elected officials and community representatives to enhance bus ridership and service awareness in high Latino population areas (e.g., Georgetown South.) Focusing on authentic messaging and equity.











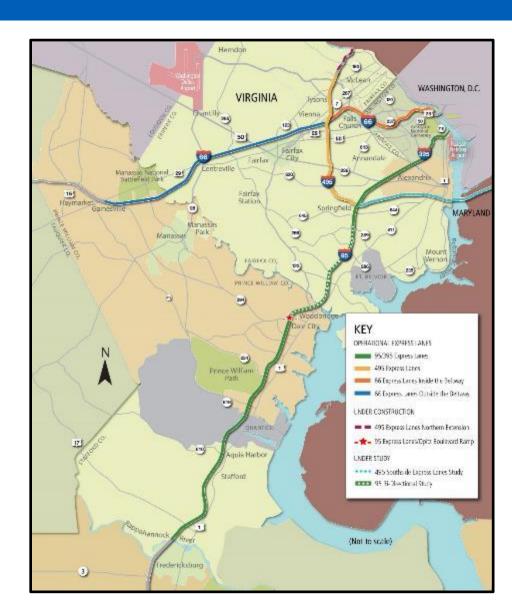
## **VDOT I-66/Transform 66 Project Updates**

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## Northern Virginia Regional Express Lanes Network



- 94 miles of Express Lanes in service
  - I-95, I-395, I-495, I-66 Inside the Beltway, I-66 Outside the Beltway
- Under construction
  - I-495 Northern Extension (2.5 miles in service late 2025)
  - I-95 Express Lanes/Opitz Boulevard
     Ramp (in service Fall 2024)
- Under study
  - I-495 Southside Express Lanes
  - I-95 Bi-Directional Study
- Three independent operators





## **Transform 66 Outside the Beltway**



Purpose: Construct two new express lanes in each direction on I-66 from I-495 to Gainesville (University Boulevard) and multimodal improvements to address current congestion and future needs

#### **Updates:**

- Ongoing construction activities include:
  - Final paving and striping on ramps and general purpose lanes, where not yet complete.
- Revegetation in some remaining locations.
- Traffic impacts and lane closure information available to the public at Transform66.org.

#### **Status: Construction**

- Construction began December 2017
- First phase (Gainesville to Route 28) opened September 2022
- Full 22 miles (Gainesville to I-495) opened November 2022





## **How I-66 Express Lanes Work**



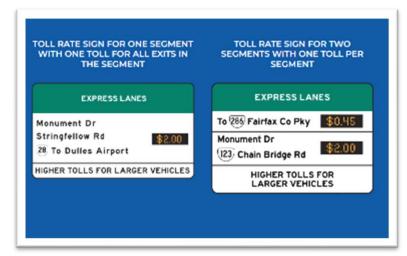
- Variable toll rates based on traffic volumes and speed to keep lanes free flowing.
- Segmented tolling system with three segments eastbound; four segments westbound.
- Before entering the express lanes, drivers see overhead signs displaying a single price to reach all exit points in that segment.
- While riding in the express lanes, pricing and destination signs are displayed in advance of each new segment, so drivers can choose to continue or exit the express lanes.
- Trips can include multiple segments.



Eligible vehicles with three or more occupants ride toll free with E-Z Pass Flex in HOV mode

 Eligible vehicles include two-axle passenger cars, trucks, vans, and SUVs less than 7 feet tall

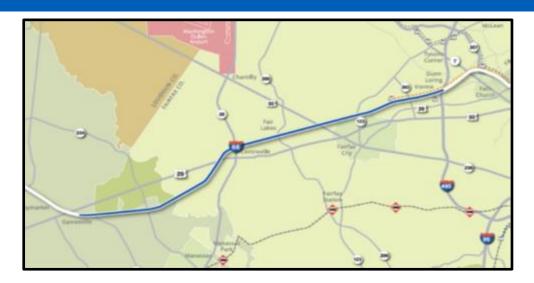




# **Transform 66 Outside the Beltway Express Lanes**



- \$2.3 billion, 22.5-mile project.
- Provided \$3.7 billion in transportation improvements to I-66 corridor.
- Built 4 express lanes (2 lanes in each direction), alongside 3 general purpose lanes.
- Built and opened 2 park and ride lots with 3,200+ parking spaces.
- Provided 11 miles of bike trail parallel to I-66, and improved pedestrian facilities on new bridges over I-66.
- Public-private partnership with I-66
   Express Mobility Partners (EMP) through
   2066.







## Transform 66 Outside the Beltway-Balls Ford Road Park and Ride Lot



**Gainesville Magisterial District** 

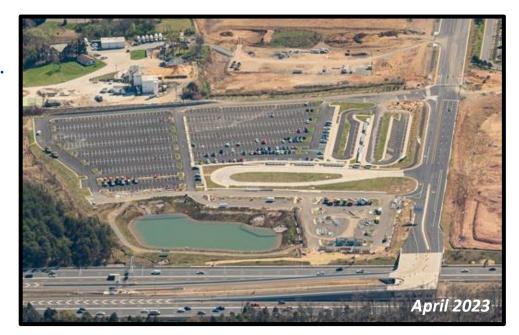
#### Purpose: Construct a Park and Ride lot at Balls Ford Road and Century Park Drive

#### **Updates:**

- Opened ramp connections between Century Park Drive/commuter lot and Express Lanes on Sept. 10, 2022, along with western section of 66 Express Lanes.
- Lot will contain approximately 1,300 spaces, mostly now open (some equipment storage continues).
- I-66 Express Lanes Operations and Maintenance Center is open at 7450 Century Park Drive.
- Expanded OmniRide bus service began Winter 2023.

#### **Status: Open with Construction**

 Construction close out continues through Fall 2023.





# Transform 66 Outside the Beltway-University Boulevard/ Route 29 Park and Ride Lot



Purpose: Construct a Park and Ride lot at University Boulevard

#### **Updates:**

- More than 1,000 spaces open currently.
- Full lot will contain approximately 2,000 spaces when completed.
- Activities include lighting, site work, revegetation, and completing entrance from Route 29.
- Coordinating work with adjacent non-VDOT projects.

#### **Status: Open with Construction**

 Construction close out continues through Fall 2023.







## **Small Safety Operational Improvements**



# Traffic Safety Studies and Projects (July 1, 2022 and June 31, 2023)



#### **Summary:**

#### **Traffic Calming Speed Studies and Counts:**

#### Status:

- 137 speed studies completed.
- 9 turning movement counts completed.

Studies continually ongoing.

#### **Traffic Safety Engineering Team Reviews:**

#### Status:

645 review completed.

Reviews continually ongoing.

#### **Streetlights:**

#### Status:

- Installed 28 new Streetlights.
- Upgraded 15 Streetlight Fixtures from HPSV to LED.

Excludes developer streetlights.

Installation and Upgrades continually ongoing.





**Loop Detectors on Valleywood Drive** 



## Aden Road and Fleetwood Drive Intersection Improvement Study Status:

- Report being revised based on VDOT and PWC DOT comments.
- Community meeting to be scheduled.

Report scheduled for completion late 2023. Current Appropriation: \$140,000 (Local funding)

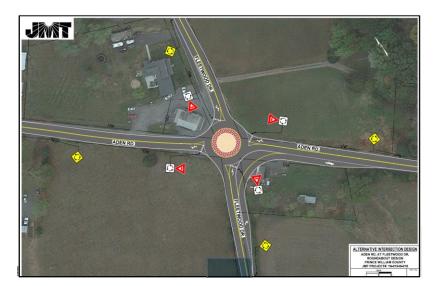
## <u>Braided Stream –Rollins Ford Road Vehicle Activated Flashing Warning Sign:</u>

#### Status:

- Sealed plans and bid documents have been prepared.
  - Full funding has been identified.
  - Design using local funds is being finalized.
  - o VDOT funds for construction have been transferred.
  - Completion anticipated Winter 2023.
  - VDOT funding was budgeted and appropriated during the February 28, 2023 Board meeting.

Current Appropriation: \$90,000 (Local funding) – Design

\$281,090 (VDOT funds) - Construction



Aden/Fleetwood Roundabout Concept



## - Signals



#### **Dumfries Road (Route 234) – Stockbridge Road Signal:**

#### Status:

Sealed plans and bid documents have been prepared.

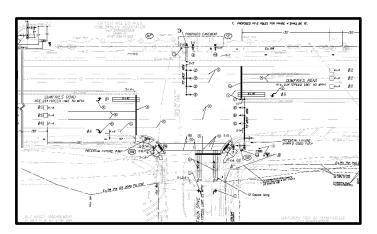
Status: Anticipated for completion by mid 2024.

VDOT funding was budgeted and appropriated during the February 28, 2023

Board meeting.

Current Appropriation: \$150,000 (Local funding) – Design

\$720,376 (VDOT funds) – Construction



**Dumfries 234/Talon Signal Design** 

#### **Dumfries Road (Route 234) – Talon Road Signal:**

#### Status:

- Sealed plans and bid documents awaiting Right-of-Way.
- Required Right-of-Way easement is being finalized.
  - Status: Plans submitted in January 2023.
  - o Due to the need for Right-of-Way, project completion is anticipated for late 2024.
  - o Federal funding was budgeted and appropriated during the February 28, 2023, Board meeting.

Current Appropriation: \$150,000 (Local funding) – Design and Right-of-Way

\$770,773 (VDOT funds) - Construction



## - Signals



#### <u>Dumfries 234 - Hoadly Road and Walton (Colgan HS) Signal CCTV:</u> Status:

- Plans have been redlined submitted for review and approval.
- Installation to be completed Fall 2023.

Completion by Fall 2023.

Current Appropriation: \$34,296 (Local funding).

Estimated Project Budget: \$45,000.

#### **Queen Chapel Road – Hoadly Road Signal:**

#### Status:

- Construction authorization was issued.
- Notice to Proceed issued on July 12, 2023.

**Dumfries 234/Hoadly and Dumfries 234/Walton Signal CCTV** 

Installation to begin in 2023 with an anticipated completion by Summer 2024. Current Appropriation: \$0 (Local funding), approx. \$750,000 (VDOT funds).





#### **Route 1 Corridor Public Transportation Improvements Project**

#### Status:

- Project has received funding and materials ordered.
- Permits are being secured.

Shelters ordered and waiting on scheduled delivery.

Estimated construction start date of Fall, 2023.

PWC Public Works to install shelters.

Current Appropriation: \$275,000 (Local funding)

# Route 1 at Featherstone Recommendations: This Bus Stop location would benefit from a new Bus Shelter, Waste Receptacles, and possibly some concrete work.

**Route 1 Public Transportation Improvements** 

#### **Beau Ridge Sidewalk Connection**

#### Status:

Design and developing cost estimate need to be updated.

Dedicated Proffer funding will be used for construction.

Project schedule to be determined.

**Current Appropriation: TBD** 



#### **Redwing Sidewalk**

#### Status:

Funding secured; working with HOA to resolve Right-of-Way easements.

Local funding has been secured for construction. Project schedule currently being reviewed due to Right-of-Way conflicts.

Current Appropriation: \$90,000 (Local funding)



#### Status:

• Funding secured, design finalized, and permit secured.

Local Funding has been secured for construction. Project scheduled to be completed by late 2023. Current Appropriation: \$195,000 (Local funding)

#### **Blue Pool Sidewalk**

#### Status:

- Project created and funds transferred.
  - Final design for Phase 1 initiated.
  - Waiver and permits need to be acquired.

Project completion end of 2023. Anticipate Phase 1 completion by End 2023. Current Appropriation: \$180,000 (Local funding)



**Redwing Sidewalk** 



Lindendale Sidewalks



## **Streetlighting Projects**



#### **Route 1 Widening Project Streetlighting**

Installation completed for VDOT owned Streetlights. Installation of PWC Streetlights has been authorized for Phases
 1 & 2 of project. Phase 3 is awaiting authorization to proceed with PWC Streetlights.

#### **Marumsco Pedestrian Streetlighting**

• Installation to coincide with the Route 1 Widening Project. Proceeding as scheduled. Conduit is currently installed. Completed installation expected Late Summer/Fall 2023.







# County Road Maintenance and State Acceptance Program



#### **County Road and Right-of-Way Maintenance:**

#### Status:

- Ongoing maintenance being conducted as needed.
- Candice Drive cul-de-sac and Lindendale Drive-review.

## **Work on County Roads for State Acceptance:** Industrial Court:

#### Status:

Accepted into the state system.

#### **Industry Court:**

#### Status:

- Stormwater camera inspection being undertaken.
- Additional milling and paving to be completed.

# THE STREET, ST.

Industrial Cour

#### **Bel Air Road:**

#### Status:

Rescoping project due to high cost.



#### **Additional Roads for Consideration in FY24:**

Identifying roads that need to be surveyed and platted.

# Virginia Highway Safety Improvement Program (VHSIP)



**Various Magisterial Districts** 

Purpose: Systemic Safety Improvements – Prince William County – 7/31/23 Update





LIFE TO DATE		PE			CN		
Systemic Safety Improvement	Not Started	Underway	Complete	Underway	Complete	TOTAL	CN % Complete
Flashing Yellow Arrow (FYA)	0	0	0	0	117	117	100%*
High-Visibility Backplates (HVSB)	0	0	0	0	320	320	100%*
Signalized Pedestrian Crossings	0	0	16	37	39	92	42%
Unsignalized Intersections	0	0	0	9	13	22	59%
<b>Curve Warning Delineation</b>	0	0	0	14	48	62	77%
Centerline Rumble Strip – Primary Roadways	0	0	2.24 mi	0.53 mi	7.21 mi	9.98 mi	72%
Edgeline Rumble Strip – Primary Roadways	0	0	0.37 mi	0.37 mi	0	0.74 mi	0%

\*Initiative complete as of October 2021

## **Traffic Safety Studies and Projects**



#### **Various Magisterial Districts**

#### **Automated Photo Enforcement Pilot Program**

#### Status:

- RFP period closed and vendor selection and negotiations are being finalized.
- Initial School Zone compliance review complete deficiencies and improvements are being addressed.

Funding activity has been created and funded.

First cameras expected to be deployed Fall 2023 for one year.

Current Appropriation: \$850,000 (Local funding)



Vendor's portable speed camera unit on Hoadly Road

#### **PWC Comprehensive Traffic Safety Action Plan**

#### Status:

- Key stakeholders and Agency leads are being identified.
- MOU with City of Manassas Park has been finalized.
- RFP is being prepared.



Work expected to begin January 2024.

Study to be completed January 2025.

With Comprehensive Traffic Safety Action Plan to be approved late spring 2025.

Current Appropriation: \$218,000 (Local funding)

\$992,000 (SS4A FHWA funds)

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## **Active Projects**

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## **Design Phase**

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## Clover Hill Road and Prince William Parkway Intersection



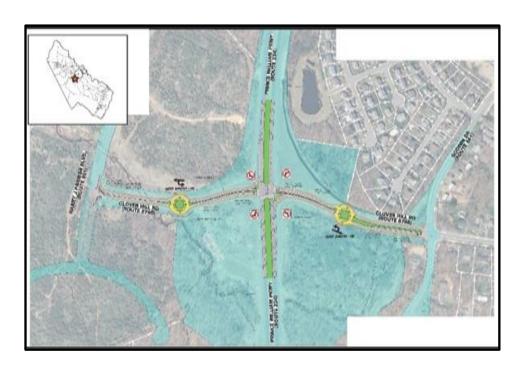
**Coles Magisterial District** 

## Purpose: Implement an Innovative Intersection at Prince William Parkway and Clover Hill Road

#### **Updates:**

- Utility coordination meeting #2 was held on August 15, 2023.
- Task modification #3 (includes traffic study to incorporate Manassas Airport expansion) has been negotiated and submitted for approval.

- Design began— October 2022
- Design ends Spring 2024
- Current Appropriation (Preliminary Engineering Phase): \$1,900,000
- Project Funding: Regional





## Route 28 (Centreville Road) Innovative Intersections



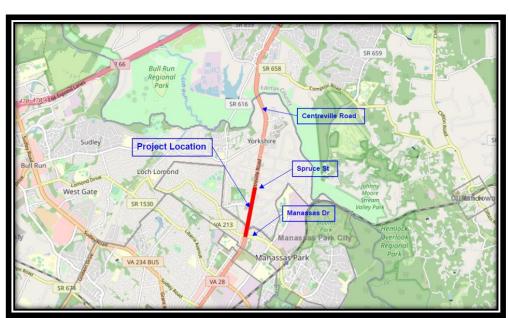
Purpose: Improve safety, operations along with pedestrian accessibility and mobility

#### **Improvements:**

- Access Management, geometric improvements at signalized intersections.
- Concrete median installation/reconstruction.
- Sidewalk installation/reconstruction.
- Curb ramp construct/upgrade.
- New crosswalks.
- Drainage and stormwater management upgrades .

#### **Status: Survey**

Subsurface Utility Engineering completed in June. Ground and mapping survey ongoing.



**Centreville Road Innovative Intersections Location** 



## Pageland Lane Right Turn Lane and Traffic Signal

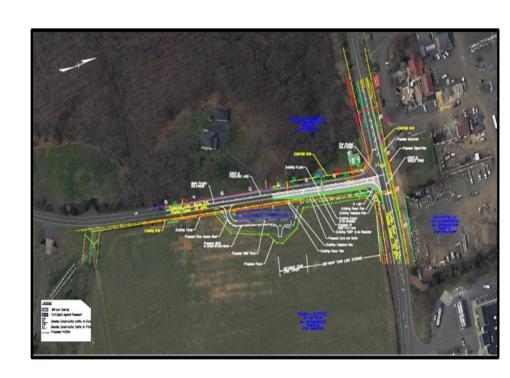


Purpose: Construct a right turn lane on Pageland Lane at Sudley Road and install a traffic signal

#### **Updates:**

 Signal plans have been approved. Bid package for signal construction was completed in September 2023.

- Design began July 2020
- Design ends January 2023
- Construction begins (Roadway) Spring 2023
- Construction advertisement September 2023
- Construction ends Winter 2023/2024
- Current Appropriation: \$1,612,222
- Project Funding: Local





# Minnieville Road-Prince William Parkway Interchange Environmental Study



#### Purpose: Conduct environmental study at Minnieville Road and Prince William Parkway

#### **Updates:**

- Public Hearing for the Interchange is planned for the October 10, 2023, BOCS meeting.
- Design activities are ongoing.

- Study began Summer 2022
- Study ends Summer 2024
- Current Appropriation: \$10,000,000
- Project Funding: Local





## I-95 Exit 158 (Horner Road) – Park & Ride Lot Enhancement & Restriping



**Occoquan Magisterial District** 

#### **Purpose: Enhancement with expansion**

#### **Improvements:**

- Construction of about 170 additional parking spaces between Lot 5 and Lot 9.
- Restriping for additional parking spaces at Lots 1, 2, 4, 8, and 9.
- Potential repaying.

#### **Status:**

Preliminary design underway.



Horner Road Park and Ride Lot off I-95



## Route 123/ Old Bridge Intersection Improvements

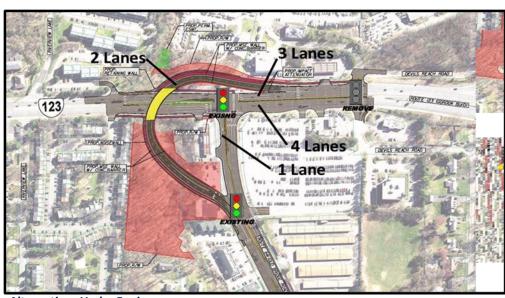


#### Purpose: Improve traffic flow at Old Bridge and Gordon Boulevard

#### **Updates:**

- Public Information Meeting was held on September 20, 2023, at 6:30pm at Occoquan Elementary.
- Design activities are ongoing.

- Design begins Spring 2023
- 30% Design ends TBD
- Current Appropriation: \$2,068,403
- Project Funding: Local



**Alternatives Under Review** 



## Route 294/ Old Bridge Intersection Improvements



#### Purpose: Re-align Prince William Parkway into a continuous roadway

#### **Updates:**

- Geotechnical and environmental field work is underway.
- Intermediate level (60%) design is under development.
- Public Hearing for endorsement of 60% design is anticipated for Fall 2023.

- Design began May 2022
- Design ends May 2024
- Right-of-Way began June 2023
- Right-of-Way ends May 2025
- Construction begins December 2025
- Construction ends June 2027
- Current Appropriation: \$33,487,806
- Project Funding: Federal





### I-95 Exit 152 (Dumfries Road) – Park & Ride Lot **Enhancement & Restriping**



**Potomac Magisterial District** 

#### **Purpose: Enhancement with expansion**

#### **Improvements:**

- Resurfacing, restriping and construction of about 65 additional parking spaces.
- Potential repaving.

#### **Status:**

Preliminary design underway.



**Dumfries Road Park and Ride Lot** 



## Van Buren Road Environmental Study

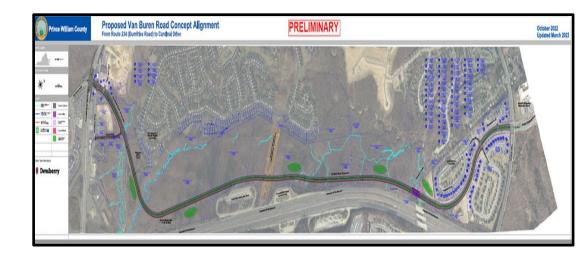


Purpose: Complete a National Environmental Policy Act (NEPA) study for Van Buren Road

#### **Updates:**

- 30% plan were completed and sent to VDOT for review and comment.
- VDOT comments received are being reevaluated and addressed.
- Review is ongoing for the completed draft NEPA EA submitted on July 19, 2023.

- Study began Summer 2020
- Study ends Winter 2024
- Current Appropriation: \$2,000,000
- \$8M in NVTA funding has been approved for the design phase.
- Project Funding: Local





### **Marina Way Extension**



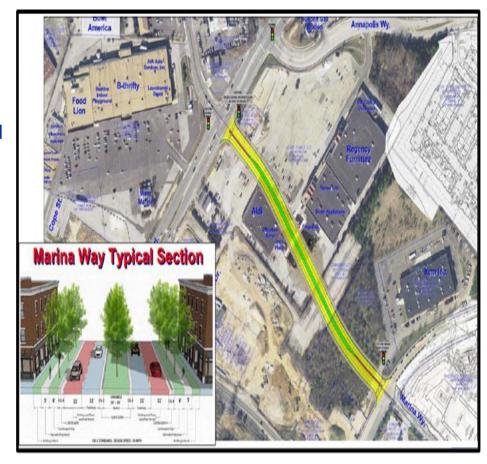
#### Purpose: Extending Marina Way by .26 miles as a 4-lane roadway

#### **Updates:**

- Phase 1B Environmental Site Assessment field work is completed, and the report is being prepared.
- Roadway lane configuration adjacent to Gordon Plaza development has been updated and shared with the developer. Analysis for Annapolis Way and Marina Way Extension intersection is in progress.
- The Purpose and Need and Alternative Analysis report document preparation in progress.

#### **Status: Preliminary Design**

- Design begins— Spring 2023
- Design ends Fall 2024
- Construction begins Spring 2026
- Construction ends Summer 2027
- Current Appropriation: \$25,100,467
- Project Funding: Federal and Local



## Potomac/Neabsco Mills Commuter Garage



Purpose: Construct a 1,414-space garage on Opitz Boulevard east of I-95

#### **Updates:**

- Construction of Soil Nail Retaining Walls and storm sewer are ongoing.
- Construction activities are ongoing.

- Location study began March 2018
- Location study completed August 2018
- Preliminary design began April 2019
- Design/Construction began March 2022
- Design/Construction ends June 2024
- Current Appropriation: \$60,372,000
- Project Funding: Federal, RSTP, Local, and Revenue Sharing





## North Woodbridge Mobility Improvements (Formerly Annapolis Way)

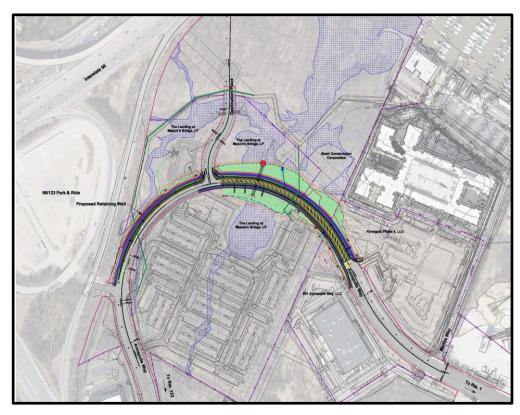


#### **Purpose: Construct roadway improvements**

#### **Updates:**

- Right-of-Way is near completion.
- Construction activities are ongoing.

- Design began June 2019
- Design ends January 2023
- Construction (county forces) begins Summer 2023
- Construction ends Winter 2024
- Current Appropriation: \$9,500,000
- Project Funding: Regional and Local







## I-95/Route 123 Progressive Design-Build

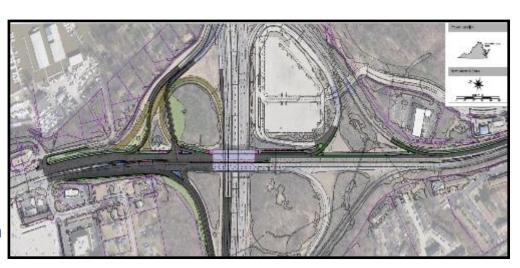


**Woodbridge and Occoquan Magisterial Districts** 

#### Purpose: Improve safety, operations, traffic flow, and pedestrian/bicyclist connectivity

#### Scope:

- Generally based on STARS Study.
- Replace 123 North to 95 South loop ramp with signalized left turn west of 95.
- Modify 123 & 95 Express intersection.
- Add 2<sup>nd</sup> lane 123 South to 95 South on-ramp.
- Modify 95 South to 123 North off-ramp.
- Add shared-use path 123 North from Annapolis Way to Devils Reach Road.
- Replace bridge deck 95 South over Occoquan Road (widen for MOT).



#### **Updates:**

- VDOT's 1<sup>st</sup> Progressive Design-Build Project ("Pilot Project"), allowing VDOT to select a Design-Build team, largely based on qualifications, before significant design initiated
- Project is in coordination with future improvement project at Route 123 / Old Bridge Road
- Public Information Meeting planned for September 28, 2023
- Construction anticipated to begin mid-2025; completion late 2027





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## Right-of-Way/Utilities Phase

Joint Mobility Report | Tuesday, October 10, 2023

### **Devlin Road North Widening**



**Brentsville Magisterial District** 

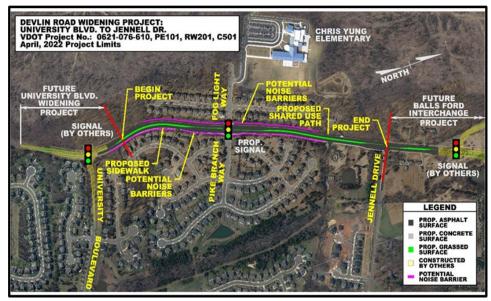
Purpose: Extension and widening of realigned Balls Ford Road through Devlin Road to intersect with University Boulevard

#### **Updates:**

- All parcels impacted by utilities were recorded in September 2023.
- The Consultant is moving forward with extending the upstream side of the existing culvert on Jennell Drive.

#### Status: Right- of- Way

- Design began November 2020
- Design ends Spring 2023
- Right-of-Way began Winter 2022
- Right-of-Way ends Summer 2023
- Construction begins Summer 2024
- Construction ends Summer 2025
- Current Appropriation: \$40,907,030
- Project Funding: State and Local





## Old Bridge Road-Occoquan Road Intersection



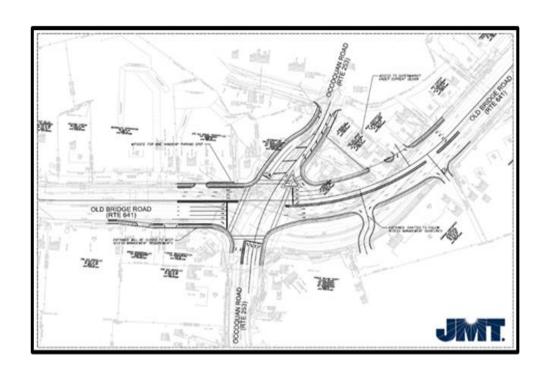
#### Purpose: Realign Old Bridge Road at Occoquan Road Intersection

#### **Updates:**

- Plans and estimates for relocation of utility work have been received and encumbered.
- Right-of-Way acquisition is scheduled for completion by October 31, 2023.
- Final plans were submitted for VDOT review in September 2023.

#### Status: Right- of- Way

- Design began June 2020
- Design ends Fall 2022
- Construction begins Summer 2024
- Construction ends Summer 2026
- Current Appropriation: \$11,532,000
- Project Funding: Federal





## Summit School Road and Telegraph Road



#### **Purpose: Extend Summit School Road to Telegraph Road**

#### **Updates:**

- A bid opening was held on August 30, 2023. Branch Civil was the lowest responsive and responsible bidder, with a bid of \$21,385,000.
- A Board agenda item to award the construction contract will go before the BOCS on October 10, 2023.

#### **Status: Utilities**

- Design began December 2019
- Design ended August 2021
- Construction begins October 2023
- Construction ends April 2026
- Current Appropriation: \$36,930,482
- Project Funding: Regional and Local







Northern Virginia Transportation Authority

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## Route 1/Fraley Boulevard Widening (Bradys Hill to Route 234)



Purpose: Widen Fraley Boulevard/Route 1 from Bradys Hill Road to Route 234

#### **Updates:**

Right-of-Way appraisals on all parcels are ongoing. Right-of-Way offers on total take properties have been initiated. Fourteen offers have been made and two offers were accepted by the property owner.

#### **Status: Right-of-Way**

- Design began June 2021
- Design ends November 2023
- Right-of-Way began Fall 2022
- Right-of-Way ends Summer 2024
- Construction begins Summer 2025
- Construction ends Winter 2027
- Current Appropriation: \$48,880,492 (with additional funds programmed in the future)
- Project Funding: Regional







### **Construction Phase**

Joint Mobility Report | Tuesday, October 10, 2023

## Intersection Improvements at Prince William Parkway and University Boulevard



**Brentsville Magisterial District** 

Purpose: Construct intersection improvements at the intersection of Prince William Parkway and University Boulevard (Quadrant Intersection)

#### **Updates:**

- Traffic switch to use the newly widened Prince William Parkway began in late September 2023.
- Median work on University Boulevard to the Parkway was completed in September 2023.

#### **Status: Construction**

- Design began December 2018
- Design ended January 2022
- Construction began July 2022
- Construction ends Winter 2023
- Current Appropriation: \$29,713,000
- Project Funding: Regional and Local







Northern Virginia Transportation Authority

### **University Boulevard Extension**



**Brentsville Magisterial District** 

Purpose: Construct two lane roadway from Edmonston Drive to Sudley Manor Drive and install a signal at the intersection of University Boulevard and Devlin Road

#### **Updates:**

- The concrete deck slab was poured.
- Construction activities are ongoing, and the project is progressing on schedule.

#### **Status: Construction**

- Design began November 2018
- Design ended January 2022
- Construction began October 2022
- Construction ends July 2024
- Current Appropriation: \$23,595,739
- Project Funding: State and Local





### **Balls Ford Road Interchange**



**Brentsville/Gainesville Magisterial Districts** 

Purpose: Improve traffic operations and safety by realigning and widening Balls Ford Road between Jennell Drive and Doane Drive and constructing a diverging diamond interchange (DDI) at Prince William Parkway and bridge crossing over Norfolk Southern Railroad.

#### **Updates:**

- VDOT's final walkthrough occurred on August 31, 2023.
- The Contractor is completing the remaining punch list items, pedestrian facilities, final grading, and seeding.
- Additional signage, construction field adjustments, and Wellingford Drive turning movement analysis are being evaluated to further improve operations
- Project is 99% complete

## **Status: Design-Build under Construction (Substantially Completed)**

- Proposals received December 2019
- Proposals reviewed/contract awarded— March 2020
- Design/Construction began March 2020
- Interchange construction ended April 2023
- Project construction ends Summer 2023
- Current Appropriation: \$109,089,856
- Project Funding: State





## Brentsville Road Interchange at Prince William Parkway



**Coles Magisterial District** 

#### Purpose: Construct an innovative interchange at Route 234 and Brentsville Road

#### **Updates:**

- The pedestrian bridge is set, and the concrete deck is poured.
- The second traffic switch to remove the detour to Clover Hill Road is scheduled for October 2023.
- Signal foundations are complete for a permanent signal at Dumfries Road Business.
- The project is progressing and on schedule for completion in Summer 2024.

#### **Status: Construction**

- Design/Build Contract awarded February 2021
- Construction began January 2022
- Construction ends August 2024
- Current Appropriation: \$54,967,752
- Project Funding: Regional and Local







Northern Virginia Transportation Authority

### **Balls Ford Road Widening**



**Gainesville Magisterial District** 

#### **Purpose: Widening from two to four lanes from Doane Drive to Ashton Avenue**

#### **Updates:**

- Traffic switch is complete.
- Median, curb and gutter, stormwater drain, and grading work is ongoing.
- Traffic signal activation at Century Park Drive and Balls Ford Road Intersection is scheduled for October 2023.
- Project completion date is anticipated on October 16, 2023

#### **Status: Construction**

- Design began June 2018
- Design ended June 2020
- Construction began August 2020 (duct bank)
- Construction began August 2021 (road widening)
- Construction ends Fall 2023
- Current Appropriation: \$73,787,320
- Project Funding: State and Local





### **Neabsco Mills Road**



**Neabsco and Woodbridge Magisterial Districts** 

#### Purpose: Four lane widening from Route 1 to Dale Boulevard

#### **Updates:**

- Drainage work, curb and gutter installation, sidewalk, and asphalt paving are ongoing.
- Construction activities are ongoing.

#### **Status: Construction**

- Design began June 2017
- Design ended May 2021
- Construction advertisement May 2022
- Construction began − October 2022
- Construction ends May 2024
- Current Appropriation: \$34,303,640
- Project Funding: Federal, State, and Local





### 95 Express Lane-Opitz Boulevard Ramp @ PRINCE WILLIAM COUNTY



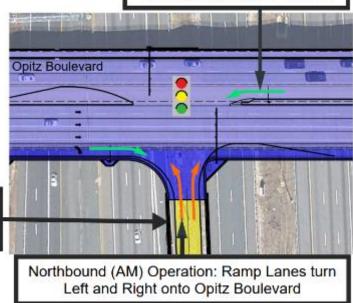
**Neabsco and Occoquan Magisterial Districts** 

#### Purpose: Construct new ramp between Opitz Boulevard and the Express Lanes

#### **Overview:**

- New access ramp connecting the 95 Express Lanes and Opitz Boulevard.
- During northbound operations, the ramp will provide northbound 95 Express Lanes users the opportunity to exit onto Opitz Boulevard near Potomac Mills Mall and Sentara Northern Virginia Medical Center.
- During southbound operations, the ramp will provide access from Opitz Boulevard to the southbound Express Lanes.
- Existing "slip ramp" between the southbound I-95 GP Lanes will be relocated approx. one mile south.
- the Opitz Boulevard bridge over I-95.

Southbound (PM) Operation: WB Left and EB Right turns to Southbound Express Lanes



Express Lanes Sidewalk will be provided on the north side of

#### **Updates:**

- Agreement between VDOT and Concessionaire approved in August 2022.
- Notice to Proceed issued September 2022.
- Existing "slip ramp" relocation expected in Winter 2023/2024.
- Opening anticipated Fall 2024.



Joint Mobility Report | Tuesday, October 10, 2023

New Ramp

from Opitz to

## Fuller/Fuller Heights Road Improvements



Purpose: Intersection improvements at Fuller Heights Road (Quantico Marine Corps Base

**Entrance**)

#### **Updates:**

 Construction activities are ongoing per schedule.

#### **Status: Construction**

- Design began March 2019
- Design ended January 2022
- Construction began − November 2022
- Construction ends March 2024
- Current Appropriation: \$10,379,047
- Project Funding: Federal and Local





### I-95 Over Powells Creek Bridge Rehabilitation



**Woodbridge Magisterial District** 

#### Purpose: Repair bridges both north and southbound

#### **Updates:**

- Repairing steel beams, concrete abutments/piers and columns.
- Replacing bearings and closing deck joints.

#### **Status: Construction**

Repair work continues through mid 2024.





### **Route 1- Featherstone to Marys Way**



#### Purpose: Six lane widening on Route 1 from Featherstone Road to Marys Way

#### **Updates:**

- All three lanes and associated turn lanes throughout the corridor were opened to the traveling public on August 16, 2023.
- Ribbon Cutting Ceremony is scheduled for October 26, 2023 at 10am.

#### **Status: Construction**

- Duct bank and waterline relocations completed
   November 2019.
- Project construction advertisement- September 2020.
- Roadway construction ends October 2023
   Current Appropriation: \$111,423,174
- Project Funding: Federal, State, Regional, and Local









## **Bicycle and Pedestrian Improvements Projects**



## Bicycle and Pedestrian Improvement Projects



Old Bridge Road Sidewalk- Oakwood Drive to Forest Hills Road Project: Update:

- Coordination with Dominion Energy to relocate/adjust electrical lines is ongoing.
- VDOT reopened the Right-of-Way/Utility phase in early September 2023.

Status: Construction advertisement Spring 2024 (FY24) Current Appropriation: \$1,684,568 (Federal and Local funding)

### <u>Sudley Manor Drive Sidewalk- Linton Hall Road to Victory Lakes Loop Project:</u>

**Update:** 

- 60% plan submitted to VDOT and PWC Department of Development Services-Land Development Division on August 18, 2023.
- Project design activities are ongoing.

Status: Construction advertisement TBD.

Current Appropriation: \$1,510,598 (Federal and Local funding)



Old Bridge Road Project

### **Bicycle and Pedestrian Improvement Projects**



#### **Ellicott Street Sidewalk-Occoquan Greenway Connection Project:**

#### **Update:**

Field Survey and utility designation is anticipated to begin in early September 2023.

Status: Construction advertisement TBD

Current Appropriation: \$2,409,338 (Federal and Local funding)

#### **Horner Road Park and Ride Lot Expansion Project:**

#### **Update:**

- Field survey is complete.
- Utility designation is ongoing.
- Project concept layout is complete.

Status: Construction advertisement scheduled for Spring 2025 (FY25)

Current Appropriation: \$2,800,000 (Federal and Local funding)



Ellicott Street Sidewalk Project

#### **Token Forest Sidewalk Project:**

#### Update:

- PCE is being prepared by VDOT and circulated for review.
- A property notification letter was sent out for video pipe installation.

Status: Notice to Proceed was issued in March 2023.

Current Appropriation: \$849,452 (Federal and Local funding)

## Bicycle and Pedestrian Improvements Projects



#### **Prince William Parkway Sidewalk Over I-95 Project:**

#### **Update:**

- Project kickoff meeting with VDOT was held on July 12, 2023.
- Field survey is ongoing.

Status: Design Notice to Proceed issued on February 17, 2023.

Current Appropriation: \$4,797,415 (Federal funding)

### Old Carolina Road Sidewalk (Walter Robinson Lane to Heathcote Boulevard) Project:

#### **Update:**

- A task order negotiation with ATCS, P.L.C. and PWC DOT is currently in the final phase.
- Authorization to commence the design is anticipated for late September 2023.

Status: Notice to Proceed anticipated September 2023 Current Appropriation: \$1,852,235 (Federal and Local funding)



Prince William Parkway Sidewalk Project



### **Questions?**

