



# Reston Transportation Service District Advisory Board

2022 Spring Meeting

March 31, 2022

Mei Fang, Tom Biesiadny – FCDOT



# Topics

- Reston Transportation Project Updates
- FY 2023 Reston Service District Tax Rate, Road Fund Rate Adjustments, and Collections
- Vote on FY2022 Tax Rate
- Next Meeting/Questions/Requests for Additional Information



# Transportation Updates





# Dulles Rail Silver Line Phase 2

## **Description:**

11.2-mile Silver Line extension from Wiehle Ave to Route 772 in Ashburn. Includes six new rail stations: three in Fairfax County, one at Dulles Airport, and two in Loudoun.

## **Total Project Estimate:**

\$2.78 billion

## **Schedule:**

- Overall Phase 2 – 100% complete
- Rail line, system, and stations – 100%
- Rail yard at Dulles – 100%
- Substantial Completion achieved the 4<sup>th</sup> Quarter of 2021
- Opening of revenue service established by WMATA Board.



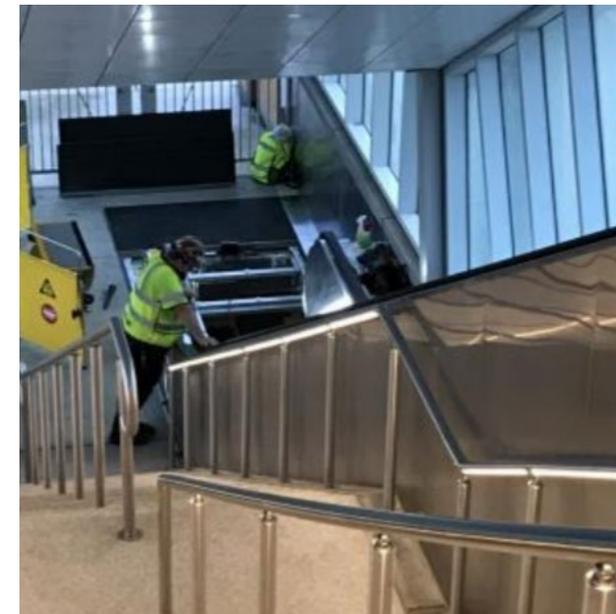
# Dulles Rail Silver Line Phase 2

## Project Status

- Punchlist activities at the Rail Yard, Stations, Systems, and Track
- Operational Readiness Testing
- Simulated service runs



Finalizing Switch Alignment



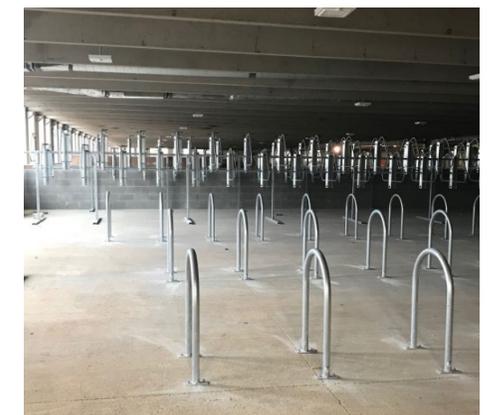
Herndon escalator maintenance



# County of Fairfax, Virginia

## Fairfax County Parking Garages

- Herndon Station
  - Project Estimate: \$44.5M: Org. TPE \$56.7M
    - New Garage is 100% complete.
    - Existing garage repair work completed
    - Bus loop was repaved and reopened to the public in January 2020.
- Innovation Center Station
  - Project Estimate: \$52M: Org. TPE \$57M
    - Garage is 100% complete.
    - Substantial completion was June 2020.
    - Warranty work is ongoing.





## Dulles Rail Phase 2 Stations



Herndon Station

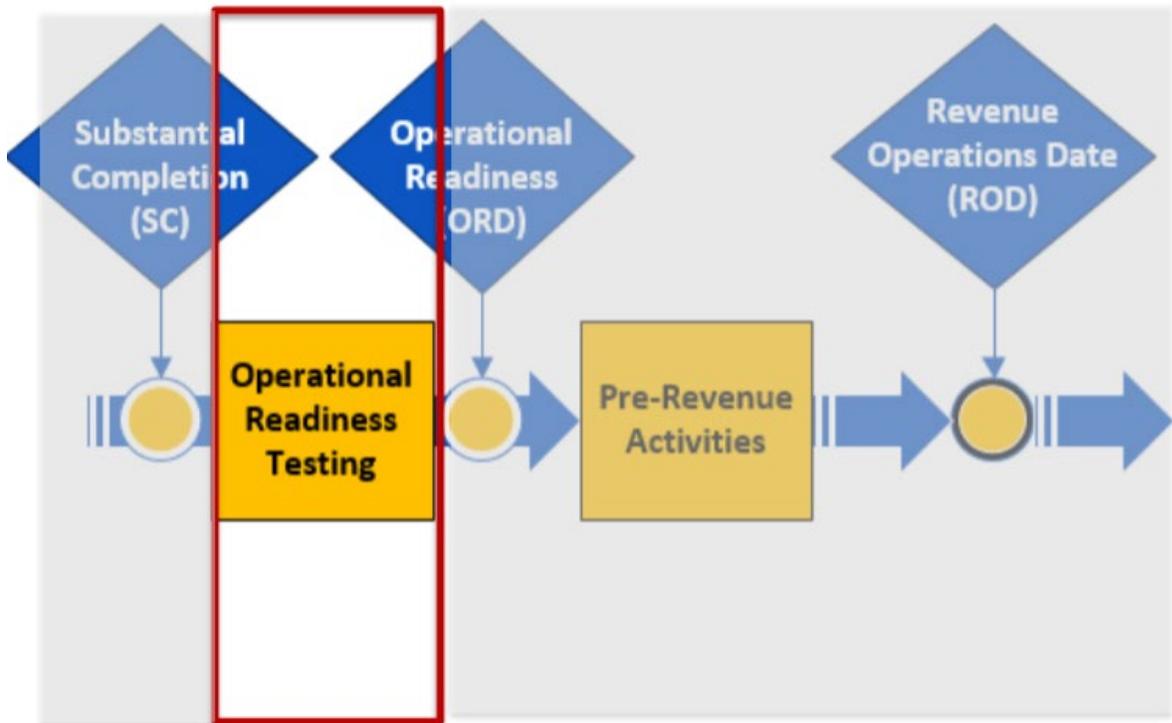


Innovation Station



Reston Town Center Station

# Current Activities – Operational Readiness Testing



	Activities	Completion/Duration
Operational Readiness Testing	<ul style="list-style-type: none"> <li>• WMATA conducts operational tests, simulated service, etc.</li> <li>• MWAA and contractor continue completion of punchlist.</li> </ul>	<ul style="list-style-type: none"> <li>• No fixed duration</li> <li>• Contingent upon WMATA testing and completed when WMATA declares Operational Readiness.</li> </ul>
Pre-Revenue Activities	<ul style="list-style-type: none"> <li>• WMATA asset inventory, warranty management, document transfer, staff and first responder familiarization, final documents, policy and procedure updates, final station mobilization, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Approximately 90 days</li> <li>• <b>Ends with the start of revenue service</b></li> <li>• <b>Revenue date set by WMATA Board</b></li> </ul>

# Current Activities – Continued

	Testing to be Completed	Punchlist Completion
Package A (Tracks, Stations, and System)	81%	73%
Package B (Rail Yard)	78%	95%

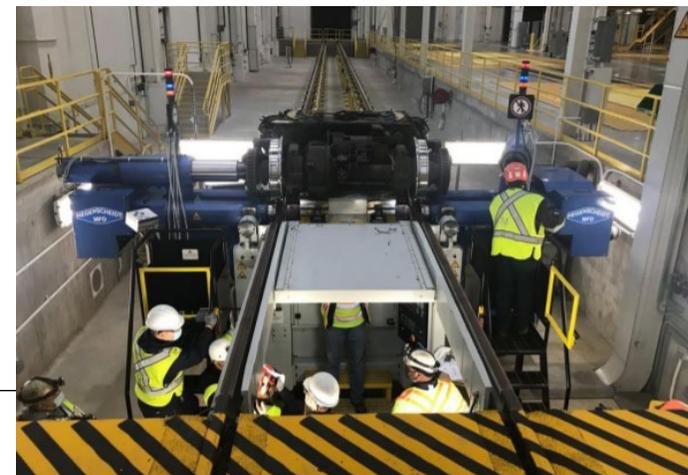
- Safety and Security Certification Process is ongoing
- MWAA and contractor on punchlists for Package A and B is ongoing
  - 1 issue ‘Unresolved’ – Heat Tape Deficiency
- WMATA hiring and training underway



Training at Fuel Center



Checking Track Profiles



Wheel Lathe Training



## Package A (Rail Line, Systems, Stations) Photos

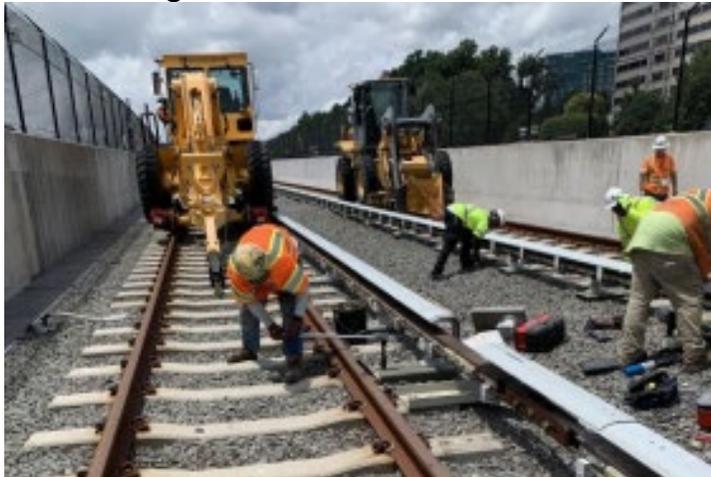
Station Platform Sealing



Fare Machine Installation



Connecting Phase 1 and Phase 2



Dulles Station Louvered Screen Wall





## Package B (Rail Yard) Photos



Rail Yard Train Car Wash



Rail Yard Electrical Testing





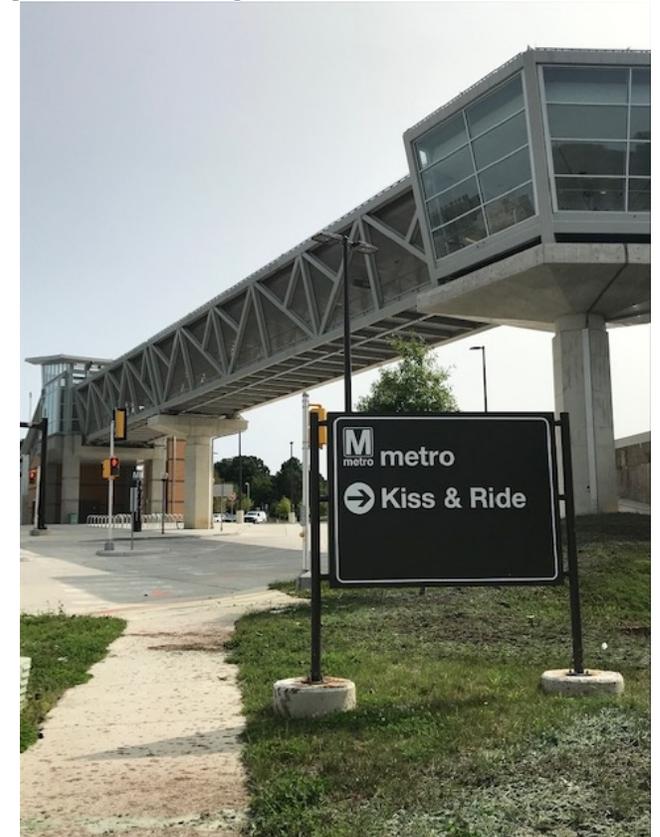
# Dulles Corridor Metrorail Projects Intersection Improvements

Projects	Status
<p><b>Reston Parkway at Sunrise Valley Drive:</b> Widen EB approach to create dual lefts, a thru lane, and a thru-right. Extend the NB left turn lane on to Reston Parkway.</p>	Complete
<p><b>Sunrise Valley Drive at Herndon Station Site/Roark Drive:</b> Widen EB approach to create dual lefts. Add a right-in/right-out entrance for existing Herndon-Monroe garage, with a new right turn lane from Sunrise Valley Drive.</p>	Complete
<p><b>Sunrise Valley Drive at Edmund Halley Drive:</b> Extend the WB right turn lane and EB left turn lane on Sunrise Valley Drive. Upgrade Edmund Halley Drive, so that it may be accepted into the state system.</p>	Complete. Awaiting secondary street acceptance for Edmund Halley.



# Dulles Corridor Metrorail Projects Intersection Improvements (cont.)

Projects	Status
<b>Sunset Hills Road at Reston Town Center Station:</b> Add a signal for the new entrance to the Reston Station Kiss-and-Ride lot. Add new EB right turn lane into the new entrance.	Complete. Several punch list items are being addressed.
<b>Fairfax County Parkway at Sunrise Valley Drive</b> Dulles Rail Phase 2 is planning to extend one of the EB left turn lanes from 240 feet to 400 feet to help improve capacity.	Complete





# Soapstone Connector

## Description:

Extension of Soapstone Drive from Sunrise Valley Drive over the Dulles Toll Road (DTR) to Sunset Hills Road. Provides additional multimodal capacity on a new north-south alternative.

## Total Project Estimate:

~\$235 million

## Current Status:

Environmental stage.

A Memorandum of Agreement (MOA) is currently under final review by FHWA, VDOT, VDHR, and Fairfax County.

Public Information Meeting (PIM) in spring 2022.

## Tentative Schedule:

- 2017 – 2025: environmental, engineering, design
- 2024 – 2026: land acquisition
- 2027: CN begins

**SOAPSTONE CONNECTOR**  
 Fairfax County Project No. 2G40-078  
 From: Sunrise Valley Drive  
 To: Sunset Hills Road  
 Reston, VA

August 16, 2017

**ENVIRONMENTAL ASSESSMENT**

**COUNTY OF FAIRFAX VIRGINIA**  
 In Coordination With  
 U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 and  
 VIRGINIA DEPARTMENT OF TRANSPORTATION



# Soapstone Connector – Funding Progress

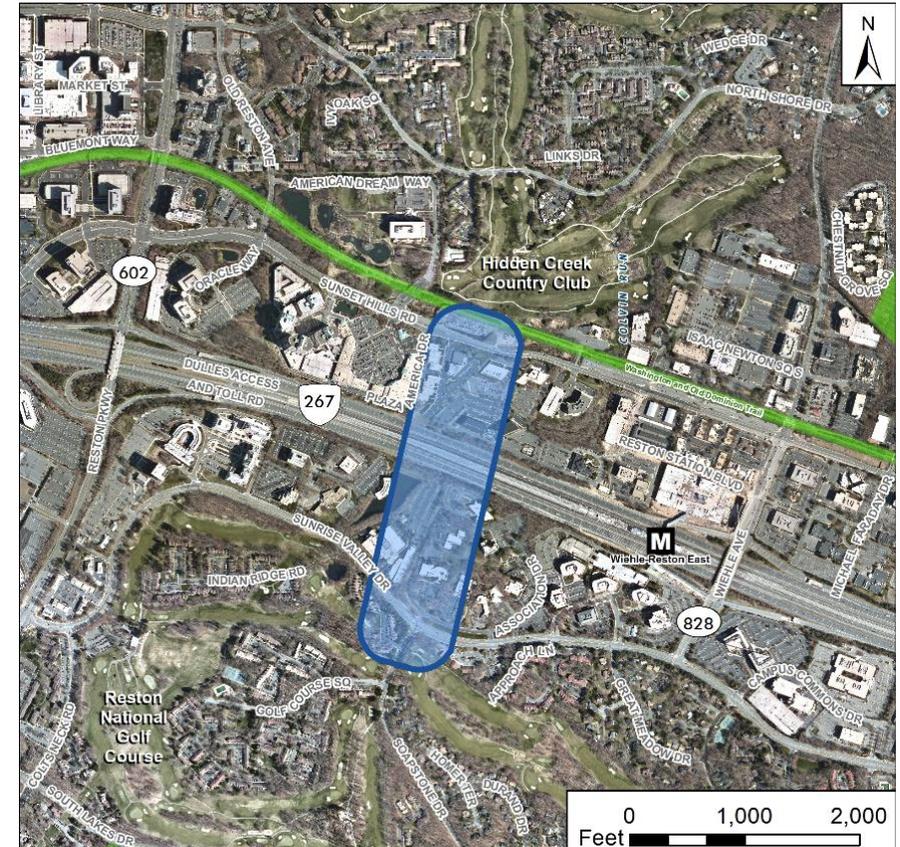
**Funding agreement between the County and VDOT for implementation of the project executed December 19, 2017.**

**Current Funding:**

- \$ 156 million available.
- \$ 79 million needed.

**Grant Applications Submitted:**

- \$79 million requested NVTA FY22-27 SYIP and SmartScale.
  - NVTA should act in Summer 2022.





# Route 7 Widening (DTR to Reston Avenue)

## **Description:**

Widen Route 7 from 4 to 6 lanes from Jarrett Valley Drive to Reston Avenue. Includes intersection improvements, shared use trails, and upgraded bus stops.

## **Estimate:**

Total Project Estimate \$314 million.



For more information visit  
[www.connectroute7.org](http://www.connectroute7.org)

## **Status/Schedule:**

- Colvin Run Stream relocated in 2021, including retaining wall.
- Significant noise barrier construction in the last year.
- By end of 2021, all but 0.5 miles will be in the 3<sup>rd</sup> of 4 construction phases.
- Bridge work is commencing in 2022 and last for two years.
- ROW acquisition ongoing, mostly complete.
- Construction start was Spring 2019, and estimated completion is Summer 2024.
- Project is 55% complete.



# Route 7 Widening (DTR to Reston Avenue)





# Intersection Improvements

Projects	Proposed Funding	Status
<p><b>Fairfax County Parkway at Sunrise Valley Drive</b> Includes modifying lane configurations on NB and WB approaches and extending turn lanes on the SB approach. The design includes Cycle Track on Sunrise Valley Drive, which is nearing 30% design. Total estimated cost: \$1.84 million</p>	Service District	The 30% design is being refined with a more detailed drainage analysis. Schedule to be determined when VDOT review is completed which is expected in May 2022. Additional traffic and safety studies as well as design waivers and exceptions required by VDOT have been completed.
<p><b>Reston Parkway at Baron Cameron Avenue</b> Modify intersection to include a second left turn lane from WB Baron Cameron Avenue to SB Reston Parkway. Total estimated cost: \$2.5 million</p>	Service District	Evaluating additional build alternative of dual left turns on all approaches. Conceptual design scheduled to be complete in Summer 2022.



# Wiehle Avenue At W&OD Trail

## Project Status:

- Relocation of Dominion Energy Virginia (DEV) transmission line was completed in August 2021.
- Land Acquisition was completed in November 2021.
- VDOT Land Use Permit was obtained in January 2022.
- Currently under review by VDOT for Construction Bid Advertisement.
- Relocation of other utilities is ongoing.

## Schedule:

- Other Utility Relocation:
  - All relocations completion by Spring 2022
- Construction:
  - Begin in October 2022
  - Completion by October 2023
- Construction Bid Advertisement
  - Bid Advertisement in May 2022
  - VDOT Award Authorization in August 2022

## Stakeholders:

- NOVA Parks
- Dominion Energy Virginia
- Reston Fire Station
- Fairfax Water Authority
- APA Properties
- VDOT

## Current/Ongoing Underground Utility

### Coordination:

Electric, Communication Lines, Dominion Energy Virginia, NOVA Parks

## Project Website:

<https://www.fairfaxcounty.gov/transportation/projects/wiehle-wod-trail>



# Wiehle Avenue At W&OD Trail



Elevation of Proposed Pedestrian Bridge Over Wiehle Avenue North View



## Active Transportation (RMAG)

- 32 Complete
- 10 Underway, 4 projects scheduled for completion in the next year:
  - Explorer Street/New Dominion Parkway Signal Installation;
  - Sunrise Valley Drive/Reston Association Entrance crosswalk;
  - Sunrise Valley Drive/Edmund Halley Drive crosswalk; and
  - Bluemont Way Sidewalk from Discovery Street Pedestrian Bridge Walkway to Reston Parkway)

RMAG Improvement Projects:

<https://www.fairfaxcounty.gov/transportation/projects/silver-line/restonimp>

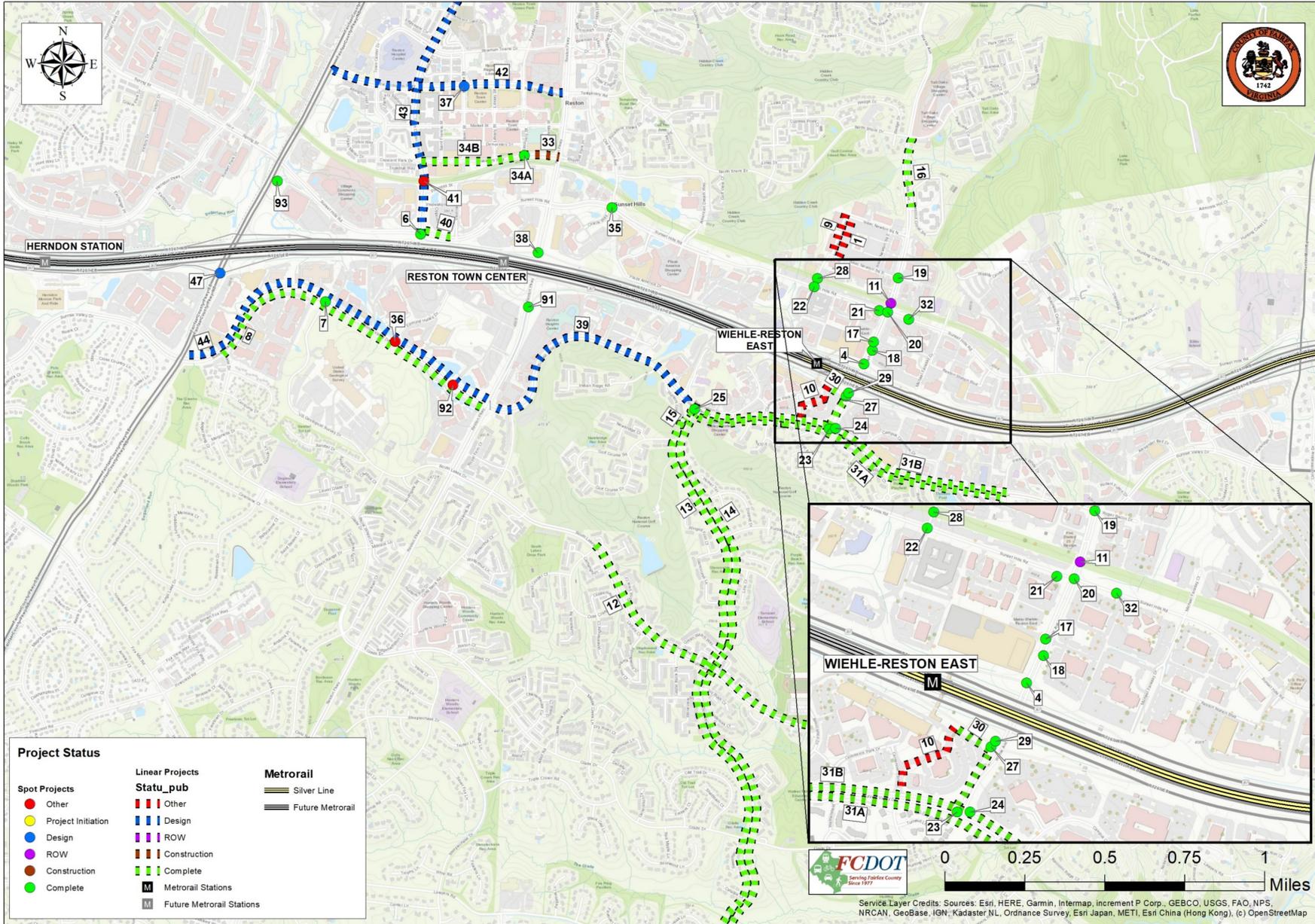
**Bike Share Updates:** FCDOT installed 18 new stations as part of a federal grant in Summer 2021. FCDOT also planning to install a station on each side of the Reston Town Center Metrorail Station. The number of bike-share stations in Reston is 35.

Please refer to the Hunter Mill District Project Report (August 2021) status updates for active transportation projects. These have been included in the agenda packet immediately after the presentation.



County

# Reston Area Metrorail Access Improvement Projects

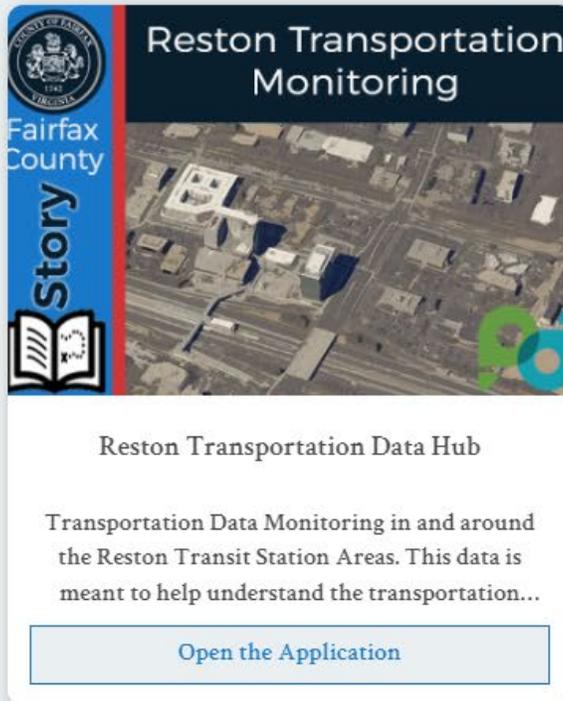


Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap

## About the Site

Reston is an evolving community of great variety and opportunities. The Reston Data Dashboard tracks changes to land development in a creative and transparent manner. This site uses an interactive interface and map applications to demystify the data associated with development and infrastructure improvements, and information about transportation data, park implementation, and zoning activity in the Reston area.

The site currently conveys data collected in late 2019. Regular updates will reflect the most current information available to the community. The story map provided is in beta format, provide feedback using the contact information is located at the bottom of the page.



**Reston Transportation Monitoring**

Fairfax County Story

Reston Transportation Data Hub

Transportation Data Monitoring in and around the Reston Transit Station Areas. This data is meant to help understand the transportation...

[Open the Application](#)

This card features a blue vertical sidebar with the Fairfax County seal and the word 'Story' next to an open book icon. The main image is an aerial view of a transit station area with a green location pin icon in the bottom right corner.



**Reston Zoning Activity**

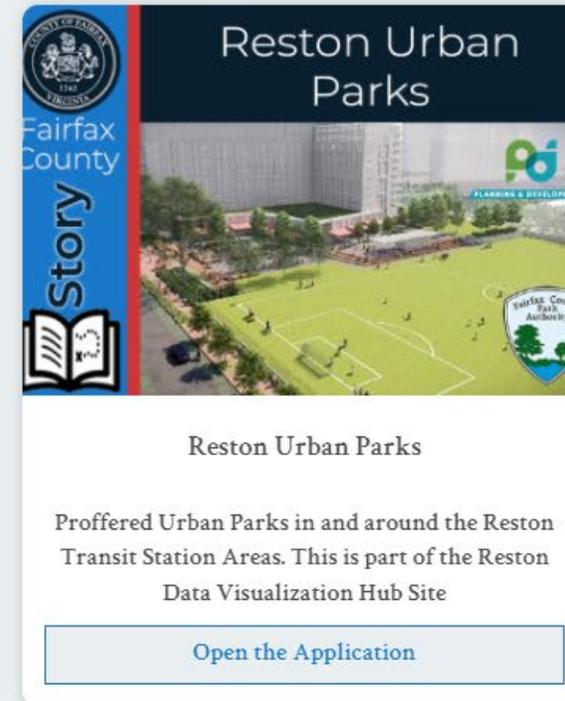
Fairfax County App

Reston Zoning Activity Data Hub

Reston Zoning Activity - Interactive map featuring approved and proposed zoning applications within the Reston Transit Station...

[Open the Application](#)

This card features a blue vertical sidebar with the Fairfax County seal and the word 'App' next to a smartphone icon. The main image shows a street-level view of a modern urban area with a green location pin icon in the bottom right corner.



**Reston Urban Parks**

Fairfax County Story

Reston Urban Parks

Proffered Urban Parks in and around the Reston Transit Station Areas. This is part of the Reston Data Visualization Hub Site

[Open the Application](#)

This card features a blue vertical sidebar with the Fairfax County seal and the word 'Story' next to an open book icon. The main image is an aerial view of a park area with a green location pin icon in the bottom right corner.



# Reston Transportation Data

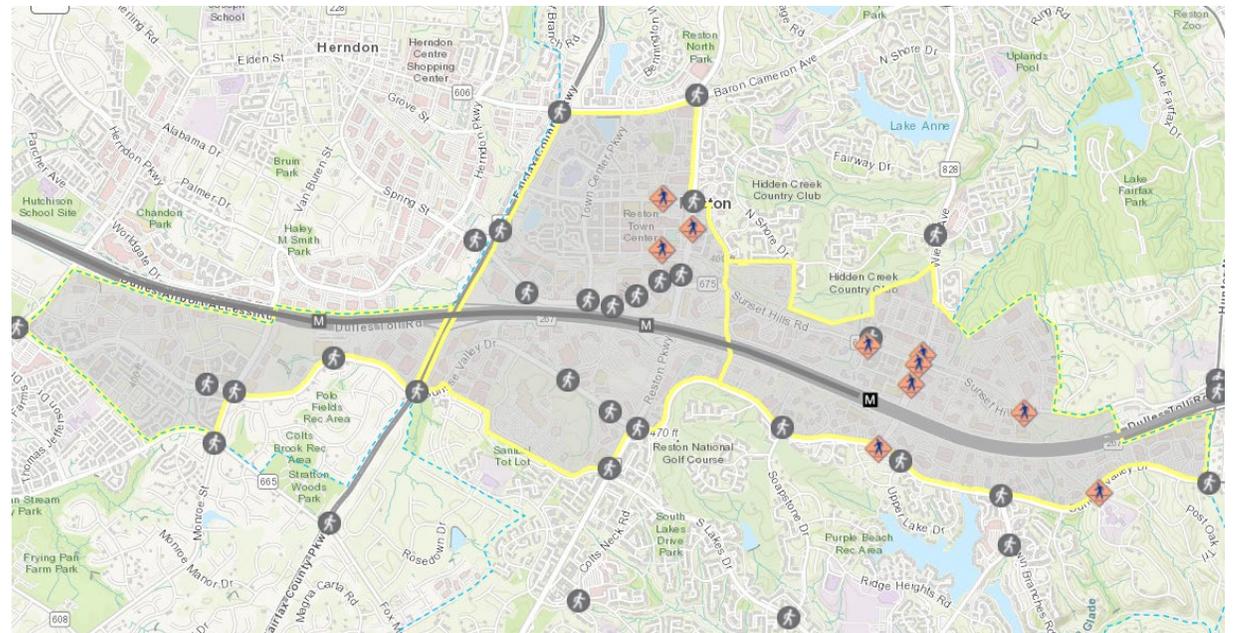
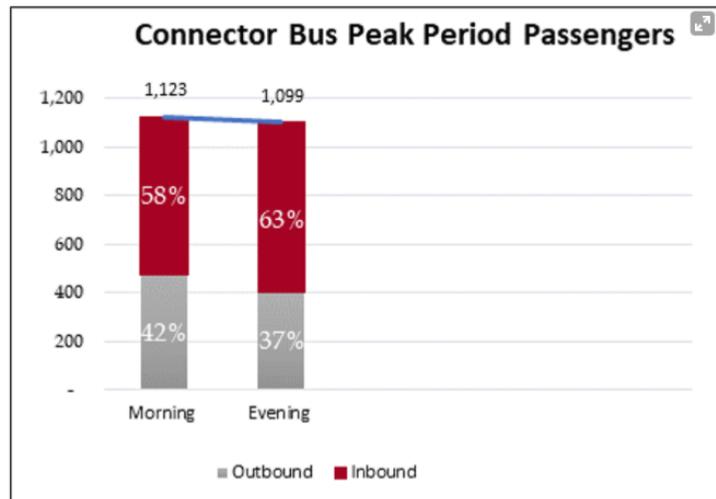
**Reston Data Visualization**

**Reston Transportation Data Hub**

Introduction | Travel Monitoring | Transit Monitoring | Pedestrian and Bike Monitoring | Infrastructure Improvements | Transportation Projects Costs

Transit Monitoring  
(Fairfax Connector)

Figure 3: Bus Peak Period Passengers (Fall 2019)



[Reston Transportation Data Hub | Reston Data Visualization \(arcgis.com\)](#)



# Reston Service District and Road Fund Rate Adjustments and Collections

FY 2023 Rate Recommendation



# Road Fund and Service District Collections

Source	Fiscal Year	Estimate	Actuals	Estimated Plan Total (40 Years, in 2017 \$)	% of Plan Amount Received
Road Fund	2017	N/A	\$91,960		
Road Fund	2018	N/A	\$104,812		
Road Fund	2019	N/A	\$131,724		
Road Fund	2020	N/A	\$1,498,138		
Road Fund	2021	N/A	\$3,223,025		
Road Fund	2022(YTD)	N/A	\$13,035,324		
<b>Total Road Fund Collections</b>			<b>\$18,084,983</b>	<b>\$211,000,000</b>	<b>8.6%</b>
Service District	2018	\$910,727	\$910,414		
Service District	2019	\$1,984,998	\$2,027,159		
Service District	2020	\$2,042,485	\$2,242,683		
Service District	2021	\$2,308,810	\$2,306,308		
Service District	2022(YTD)	\$2,308,810	\$657,001		
<b>Total Service District Collections (includes interest)</b>			<b>\$8,140,287</b>	<b>\$139,895,725</b>	<b>5.8%</b>
<b>Total Received FY 2021 YTD</b>			<b>\$26,225,270</b>	<b>\$350,895,725</b>	<b>14.4%</b>
Approved Projects	Fiscal Year	Total Project Estimate	Approved Amount	Funding Source	Staff Recommendation on Funding Allocation Request
Fairfax County Parkway and Sunrise Valley Drive Interim Improvement	2019	\$2,000,000	\$500,000	Service District	\$1,500,000
Reston Parkway at Baron Cameron Avenue – Intersection Improvement	2019	\$2,500,000	\$500,000	Service District	\$2,000,000
<b>Total Approved Projects</b>			<b>\$1,000,000</b>		<b>\$3,500,000</b>
<b>Balance of Road Fund and Service District Collections</b>			<b>\$25,225,270</b>		



# Road Fund Rates and Adjustments

- **County Road Fund rates are adjusted annually by the annual rate of inflation**, as calculated by referring to the Consumer Price Index for all urban consumers (CPI-U), 1982-1984=100 (not seasonally adjusted) as reported by the United States Department of Labor, or Bureau of Labor Statistics.
- Proposed Rate Adjustment is **7.5%** based on the CPI-U increase over the last 12 months for the month ended January 2022.
- The Board approved proposed rates on March 22, 2022. They will be effective on April 1, 2022.

Road Fund Area	Type	2021 Rate	Approved 2022 Rate
Tysons	non-residential	\$4.84	\$5.20
	residential	\$1,073.93	\$1,154.47
Tysons-Wide	non-residential	\$6.53	\$7.02
	residential	\$1,157.59	\$1,244.41
Tysons-Grid of Streets	non-residential	\$7.45	\$8.01
	residential	\$1,157.59	\$1,244.41
Fairfax Center	non-residential	\$6.58	\$7.07
	residential	\$1,457.32	\$1,566.62
Centreville	non-residential	\$7.07	\$7.60
	residential	\$2,792.84	\$3,002.30
Reston	non-residential	\$10.38	\$11.16
	residential	\$2,268.59	\$2,438.73

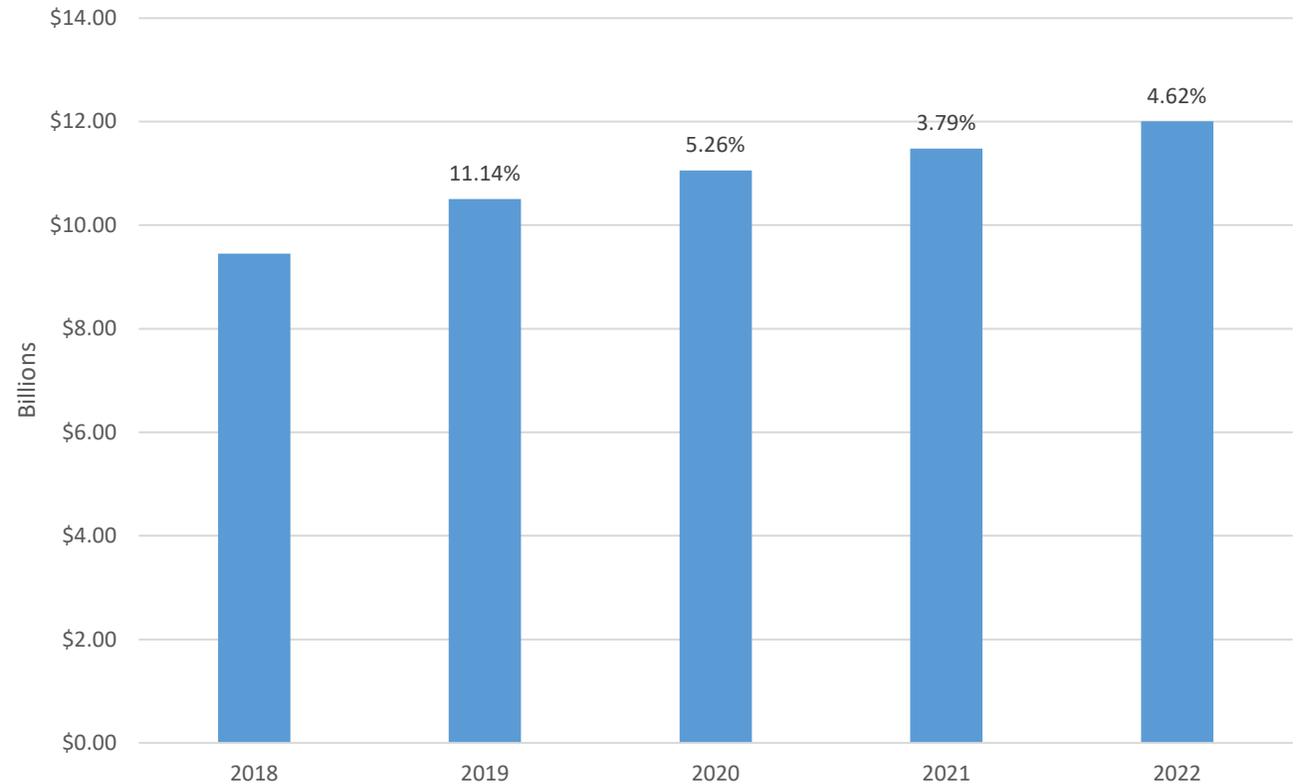


# County of Fairfax, Virginia

## Assessed Value History

- Although actual AV growth has been greater than projected, continued growth at that magnitude is not guaranteed.

Assessed Value History





# Service District Rate Recommendation

- The Reston Transportation Service District tax rate was set at \$0.021/\$100 AV in the FY 2022 Adopted Budget.
- The Board will approve the Advertised tax rate on May 10, 2022, the rate can only remain the same or be adjusted down.
- **Staff recommends holding the rate flat at \$0.021 in FY 2023.**



# Action: Vote on FY2023 Rate



# Questions/Next Meeting/Requests for Info

Questions or items for inclusion next meeting  
(Fall 2022)?



THANK YOU!