



Reston Transportation Service District Advisory Board

2020 Spring Meeting

March 4, 2020

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Fairfax County Department of Transportation



Topics

- Reston Transportation Project Updates
- Reston Funding Plan Review
- FY 2021 Reston Service District Tax Rate, Road Fund Rate Adjustments, and Collections
- Next Meeting/Questions/Requests for Additional Information



Reston Transportation Projects Updates



Dulles Rail Silver Line Phase 2

Description:

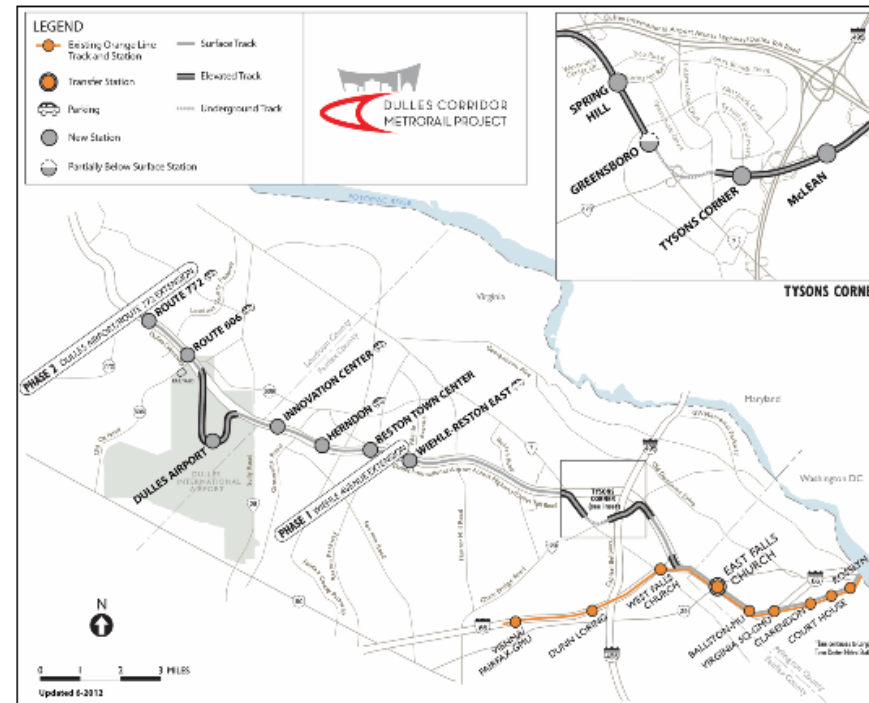
Extend Metrorail Silver Line 11.2 miles from Wiehle-Reston East to Route 772 in Ashburn. This rail extension will include the construction of six new rail stations: three in Fairfax County, one at Washington Dulles International Airport, and two in Loudoun County.

Total Project Estimate:

\$2.78 billion

Schedule:

- Overall Phase 2 – 98% complete
- Package A
 - Rail line, system, and stations – 98%
- Package B
 - Rail yard at Dulles – 98%
- Contractual Substantial Completion – tentatively April 2020
 - WMATA Board to establish Revenue Operations Date





Dulles Rail Silver Line Phase 2

Project Status

- General Activities
 - Dynamic testing – Ongoing
 - Property conveyances and maintenance agreements – Final Review
 - Site inspections and walkdowns – Ongoing
 - Wiehle Reston East Station scheduled shutdowns for testing of Phase 2
 - Approved shutdown in Jan/Feb were canceled until Phase 1 systems integration complete
 - Approximately 10-12 weekend shutdowns necessary for testing. Alternative bus service will be provided.
- MWAA and WMATA identified concerns - Discussions on remediation are ongoing
 - Concrete Panel Deficiencies
 - Fouled Ballast at Dulles Rail Yard
 - Concrete Ties/Cross-Level Deficiencies



Project Status

Phase 2 (continued)

- **Construction Status**
 - Civil - Utilities relocation work completed; paving operations, stormwater management ponds, storm drains ongoing
 - Stations – Interior finishes, station clean up, elevator and escalator testing, and lighting installation and other electrical work ongoing
 - Track – Clean-up along the guideway from the Reston Town Center Station to the Ashburn Station ongoing
 - Systems – Traction Power Substations (TPSS) and station equipment testing, communications cabling installation and testing, testing of train control systems, preparing track for dynamic testing, tie in of Phase 1 track and control systems with Phase 2, and running test trains for safe braking and dynamic testing on various section of the track ongoing
 - Rail Yard – Punchlist work for all building at the yard, remedial track work and installation of hoist equipment ongoing
- **Package A (Rail, systems, Stations) completion – April 2020 (target date)**
- **Package B (Yard) completion – February 2020 (target date)**
- **WMATA Board to establish Revenue Operations Date – TBD**

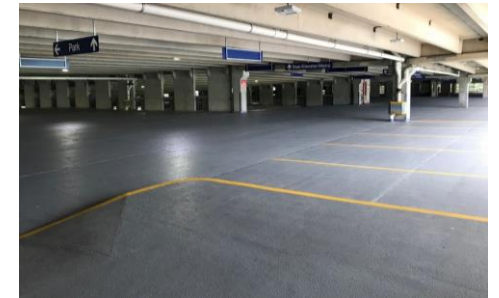


County of Fairfax, Virginia

Fairfax County Parking Garages

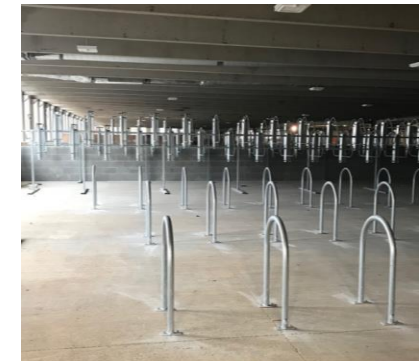
• Herndon Station Garage

- Total Project Estimate: \$44.5M (org. \$56.7M)
- Construction Progress:
 - New Garage is 100% complete (Opened to public on April 8, 2019).
 - Existing garage repair work completed September 30, 2019. Reopening expected before Silver Line Phase 2 revenue services.
 - Bus loop was repaved and reopened to the public on January 5, 2020.



• Innovation Center Station Garage

- Total Project Estimate: \$52M (org. \$57M)
- Construction Progress:
 - Garage is 96% complete.
 - Substantial completion date: March 2020.
 - Installing elevators and finishes inside the garage. Finalizing utility installation and testing. Constructing bioretention pond. Finishing landscaping and concrete work outside the garage.





County of Fairfax, Virginia

Dulles Rail Phase 2 Stations

Left to Right: Herndon, Innovation, Reston Town Center





Package A Progress Photos

Placing River Rock at Herndon North Pavilion



Apply sealant on Precast at Innovation Center Station Stair Tower



Finishing Trim on Reston N Ped Bridge



Tie Breaker Station (TBS) #16
Exterior Enclosure



Electricians Sealing Conduits at Traction Power Substation (TPSS) #14





Package B Progress Photos



Hoist Installation in Service and Inspection Building (SIB)



Inspecting Fuel Dispensing Point





Dulles Corridor Metrorail Projects

Projects	Status
<p>Reston Parkway and Sunrise Valley Drive: Widen eastbound approach to create dual lefts, a thru lane, and a thru-right. Lengthen the northbound left turn lane on to Reston Parkway.</p>	<p>Construction complete. Working on permit closeout.</p>
<p>Sunrise Valley Drive and Herndon Station Site/Roark Drive: Widen eastbound approach to create dual lefts. Add a right-in/right-out entrance for the existing Herndon-Monroe garage assisted by a new right turn lane from Sunrise Valley Drive.</p>	<p>Construction complete. Working on permit closeout.</p>
<p>Sunrise Valley Drive and Edmund Halley Drive: Lengthen the westbound right turn lane and eastbound left turn lane on Sunrise Valley Drive. Upgrade Edmund Halley Drive to VDOT standards, so that it may be accepted into the state system upon completion of Phase 2</p>	<p>Construction complete. Working on permit closeout.</p>



Dulles Corridor Metrorail Projects (Continued)

Projects	Status
<p>Sunset Hills Road and Reston Town Center Station: Add a signal for the new entrance to the Reston Station Kiss and Ride. Provide a new eastbound right turn lane into the new entrance.</p>	<p>Construction complete. Working on permit closeout.</p>
<p>Fairfax County Parkway at Sunrise Valley Drive Dulles Rail Phase 2 is planning to extend one of the eastbound left turn lanes from 240 feet to 400 feet to help improve capacity.</p>	<p>Construction complete. Working on permit closeout.</p>



Soapstone Connector

Description:

Extend Soapstone Drive from Sunrise Valley Drive over the Dulles Toll Road (DTR) to Sunset Hills Road. Provide additional multimodal capacity on a new north-south alternative to mitigate congestion on Wiehle Avenue and Reston Parkway.

Total Project Estimate:

~\$214 million

Current Status:

Environmental (NEPA) stage, specifically working on Section 106 and Section 4(f) requirements to identify historical resources and develop avoidance alternatives.

Schedule:

- 2017 – 2025: environmental, engineering, design
- 2025 – 2027: right-of-way, land acquisition
- 2027: construction begins



Soapstone Connector

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

Current Funding:

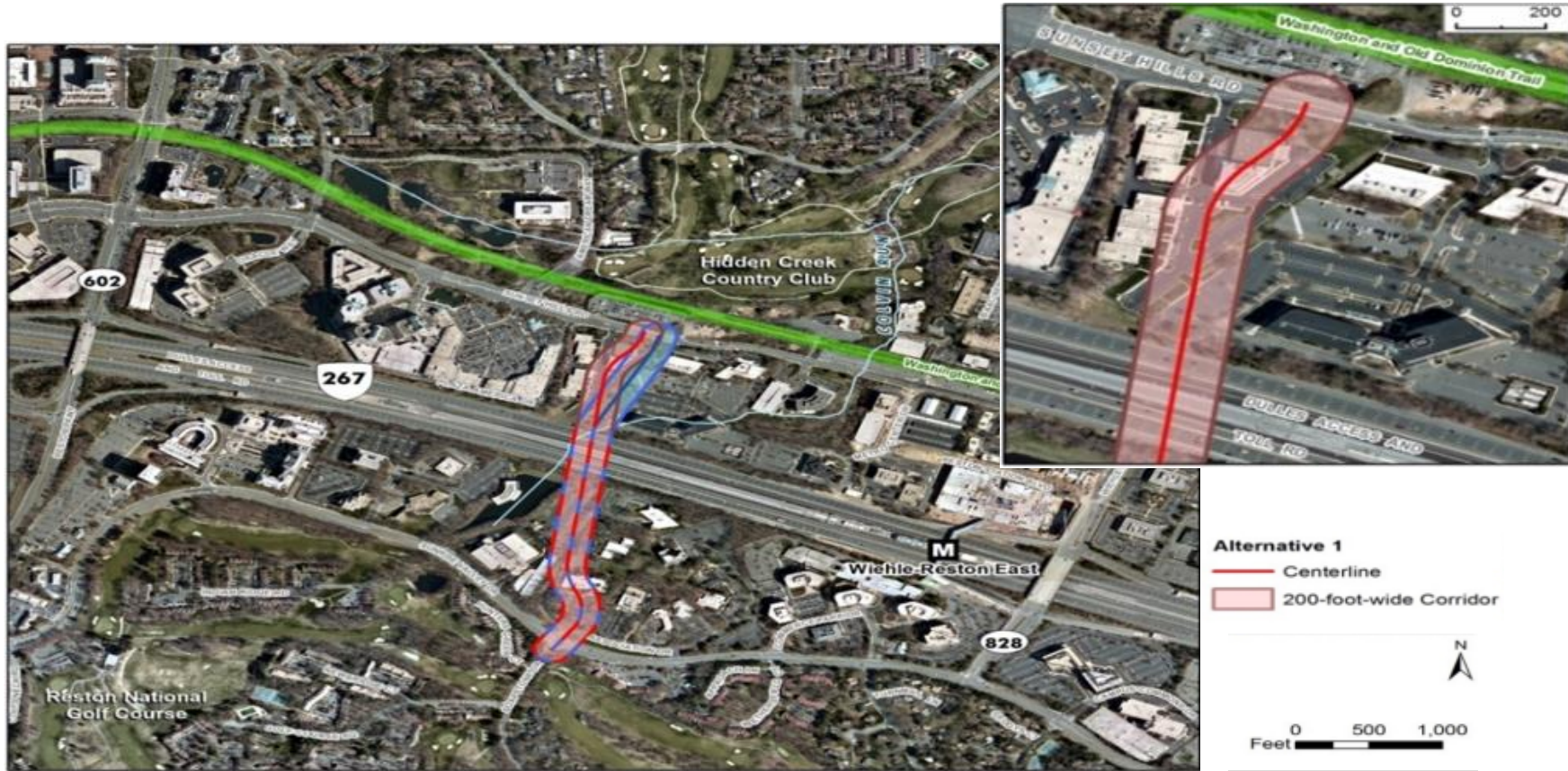
- \$ 15.50 million in federal RSTP funds.
- \$ 6.54 million in state Revenue Sharing funds.
- \$ 122.96 million in total local funds.
- \$ 145.00 million total available.

Grant Applications Submitted:

- \$69 million requested from NVTA FY20-25 regional SYP. Application submitted September 27, 2019. NVTA is expected to approve final allocations in Spring-Summer 2020.



Soapstone Connector Preferred Improvement Option





Route 7 Widening (DTR to Reston Avenue)

Description:

Widen Route 7 from 4 to 6 lanes from Jarrett Valley Drive to Reston Avenue, with intersection improvements, shared use trail on both sides of road, and upgraded bus stops.

Estimate:

Total Project Estimate \$314 million.



For more information visit
www.connectroute7.org

Status/Schedule:

- CTB award and NTP to the design-build contractor in July 2018.
- 100% design plans complete.
- Third left turn lane from WB Route 7 to Baron Cameron complete.
- ROW Phase in progress.
- Construction start: Spring 2019, and estimated completion: Fall 2024.
- Final noise analysis completed and approved in December 2019.
- Project is 21% complete.



Intersection Improvements

Projects	Proposed Funding	Status
Fairfax County Parkway at Sunrise Valley Drive Improve congestion on the westbound approach on Sunrise Valley Drive. \$500,000 approved by the Board based on Service District recommendation.	Service District	Project initiation stage
Reston Parkway at Baron Cameron Avenue Improve congestion on the westbound approach on Baron Cameron Avenue. \$500,000 approved by the Board based on Service District recommendation.	Service District	Project initiation stage



Active Transportation (Formerly Bicycle and Pedestrian)

Bike Share Updates: FCDOT aiming to install 21 new stations as part of a federal grant, and one additional station funded with local money. Installation will be proceeding this Spring/Summer.

Please refer to the following for status updates for active transportation projects. These have been included in the agenda packet immediately after the presentation.

- Hunter Mill District Project Report for August 2019
- Reston Area Metrorail Station Access Improvement Projects
- Reston Area Metrorail Access Improvement Projects Map



Other Reston Activities

- The Reston Association's Multi-modal Transportation Advisory Committee (MTAC) made recommendations to FCDOT on additional intersections they would like to have studied.
 - FCDOT has requested funding to initiate this study.
- Supervisor Walter Alcorn has initiated an update of the Reston Comprehensive Plan:
 - Project population thresholds for Reston, and how to ensure that population, infrastructure and the environment are all in balance
 - The adequacy of existing and planned pedestrian and bicycle infrastructure for accessing Silver Line stations
 - Existing Comprehensive Plan transportation improvements to ensure that they are aligned with planned development
- The Board has initiated a study of crossing of Wiehle Avenue between the Dulles Toll Road and Sunrise Valley Drive, as well as a comprehensive study of Wiehle Avenue between Sunset Hills Road and Sunrise Valley Drive.
- FCDOT has completed the data collection for the first Reston Monitoring Report. The report should be available in late Spring – Summer 2020.



Reston Funding Plan Review



County of Fairfax, Virginia

Reston Funding Plan Review

Current Funding Plan Improvements:

The funding plan is monitored and reviewed annually to respond to areas of growth and change within the Reston TSAs.

Major Roadway Improvements

\$1.200 billion

Intersection Improvements

\$0.048 billion

Grid of Streets Network

\$1.021 billion

Total Planning Level Project Estimates

\$2.269 billion

*These projects were added to the funding plan in FY 2019.

Projects	Project Estimate	Project Category
Reston Roadway Projects		
Soapstone Road Extension (DTR Overpass)	\$170,000,000	Roadway
Town Center Parkway Extension (DTR Underpass)	\$170,000,000	Roadway
Reston Parkway Widening (South Lakes Drive to DTR)	\$25,000,000	Roadway
Fairfax County Parkway HOV (DTR to West Ox Widening)	\$80,000,000	Roadway
Fairfax County Parkway at Sunrise Valley Dr Interchange	\$400,000,000	Roadway
South Lakes Drive Extension (DTR Overpass)	\$90,000,000	Roadway
Fox Mill Road Widening (Reston Parkway to Monroe Street)	\$60,000,000	Roadway
West Ox Rd Widening (Lawyers Road to Centreville Road)	\$100,000,000	Roadway
Monroe Sreet Widening (West Ox Road to Town of Herndon)	\$80,000,000	Roadway
Pinecrest Road Extension (South Lakes Drive to Sunrise Valley Drive)	\$25,000,000	Roadway
Total Reston Roadway Projects	\$1,200,000,000	Roadway
Reston Intersection Improvements		
Fairfax County Parkway at Sunrise Valley Drive (Interim)*	\$500,000	Intersection
Reston Parkway/ Baron Cameron Avenue*	\$2,500,000	Intersection
Reston Parkway/ Sunrise Valley Drive	\$15,000,000	Intersection
Reston Parkway/ DTR WB on/off ramps	\$5,000,000	Intersection
Reston Parkway/ Bluemont Way	\$4,000,000	Intersection
Reston Parkway/ New Dominion Parkway	\$5,000,000	Intersection
Centreville Road at Sunrise Valley Drive	\$10,000,000	Intersection
Centreville Road/ DTR EB on/off ramps	\$1,500,000	Intersection
Wiehle Avenue/ DTR EB on/off ramps	\$600,000	Intersection
Hunter Mill Road/ Sunset Hills Road	\$3,500,000.00	Intersection
Sunset Hills Road Realignment*	TBD	Intersection
Total Intersection Improvements	\$47,600,000	Intersection
Total Grid of Streets	\$1,021,000,000	Grid
Total Intersection + Grid	\$1,068,600,000	Intersection + Grid
Grand Total Projects (Roadway + Intersection + Grid)	\$2,268,600,000	



Reston Funding Plan Review

Summary of Projects, Revenue Sources, and Allocations

Funding Plan Projects	Revenue Source	Public or Private Source	Amount	Percent of Plan
Major Roadway Improvements	Fed/State/Regional/Local Funds	Public	\$1,201,704,275	53.00%
Grid of Streets	Developer Construction	Private	\$716,000,000	31.60%
Grid of Streets	Reston Road Fund	Private	\$211,000,000	9.30%
Intersections/Grid of Streets	Service District	Private	\$139,895,725	6.10%
Total			\$2,268,600,000	100%



Reston Service District and Road Fund Rate Adjustments and Collections

FY 2021 Rate Recommendation



Road Fund and Service District Collections

Source	Fiscal Year	Estimate	Actuals**	Estimated Plan Total (40 Years)***	% 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	\$1,298,778		
Total Road Fund Collections			\$1,627,274	\$211,000,000	0.77%
Service District	2018	\$910,727	\$910,414		
Service District	2019	\$1,984,998	\$2,027,159		
Service District	2020	\$2,042,485	\$2,218,641		
Total Service District Collections			\$5,156,214	\$139,895,725	3.7%
Total Received through February 14, 2020			\$6,783,488	\$350,895,725	1.93%
Approved Projects	Fiscal Year	Total Project Estimate	Approved Amount	Funding Source	
Fairfax County Parkway and Sunrise Valley Drive Interim Improvement	2019	\$2,000,000	\$500,000	Service District	
Reston Parkway at Baron Cameron Avenue – Intersection Improvement	2019	\$2,500,000	\$500,000	Service District	
Total Approved Projects			\$1,000,000		
Balance of Road Fund and Service District Collections			\$5,783,488		



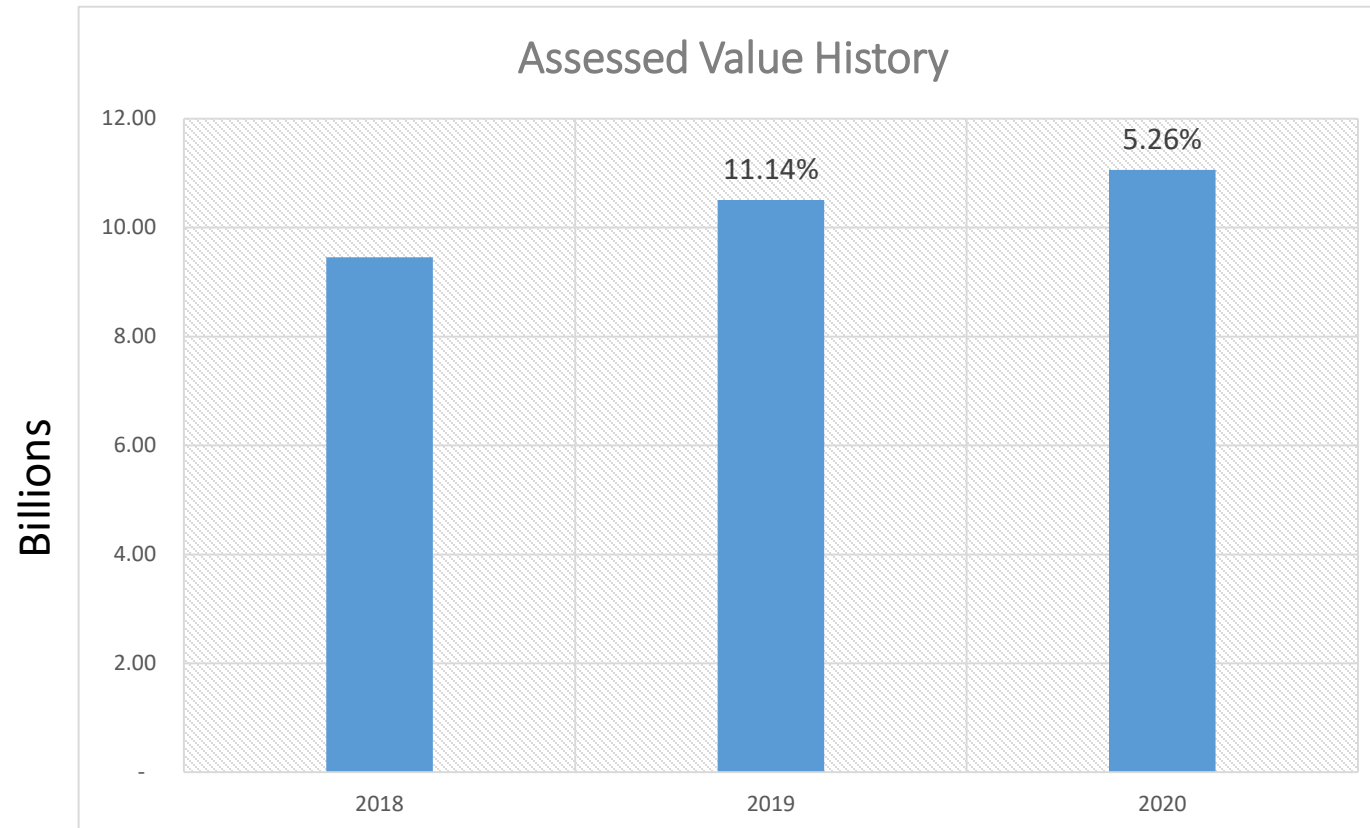
Road Fund Rates and Adjustments

- 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 **2.5%** based on the CPI-U increase over the last 12 months for the month ended January 2020.
- New road fund rates will be considered by the Board on March 24, 2020, and will be effective on April 1, 2020.

Road Fund Area	Type	Current Rate	Inflationary Increase	Proposed Rate 2020
Tysons	non-residential	\$4.66	1.025	\$4.77
	residential	\$1,033.27	1.025	\$1,059.10
Tysons-Wide	non-residential	\$6.29	1.025	\$6.44
	residential	\$1,113.77	1.025	\$1,141.61
Tysons-Grid of Streets	non-residential	\$7.17	1.025	\$7.35
	residential	\$1,113.77	1.025	\$1,141.61
Fairfax Center	non-residential	\$6.33	1.025	\$6.49
	residential	\$1,402.14	1.025	\$1,437.20
Centreville	non-residential	\$6.80	1.025	\$6.97
	residential	\$2,687.10	1.025	\$2,754.28
Reston	non-residential	\$9.99	1.025	\$10.24
	residential	\$2,182.70	1.025	\$2,237.27



Assessed Value History



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



Service District Rate Recommendation

- The Reston Transportation Service District tax rate has been set at \$0.021/\$100 AV in the FY 2021 Advertised Budget.
- Once the Board approves an Advertised tax rate, the rate can only be adjusted down, or left set at the Advertised rate.
- **Staff recommends holding the rate flat at \$0.021 in FY 2021.**



Questions/Next Meeting/Requests for Info

Questions or items for inclusion on potential second meeting (before April 16, 2020)?



Thank You

Reston Transportation Service District Advisory Board



County of Fairfax, Virginia
