



# Update on Tysons Transportation Projects

Tysons Transportation Service District Advisory Board

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Department of Transportation

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# Presentation Overview

- Development Updates: Tysons Tracker
- Transportation Projects
  - Major Roadway Projects (Tysons-wide)
  - Table 7B
  - Grid of Streets
  - Route 7 BRT (International to I-495)
  - Tysons Transit Service
  - Tysons Metrorail System Access Management Projects
  - Neighborhood Intersection Improvements Study
- FY 2024 Service Rate Recap and Assessed Values
- FY 2025 Rate Recommendation and Project Allocations



# Development Updates - Tysons Tracker



Available online at: <https://tysons-tracker-fairfaxcountygis.hub.arcgis.com/>



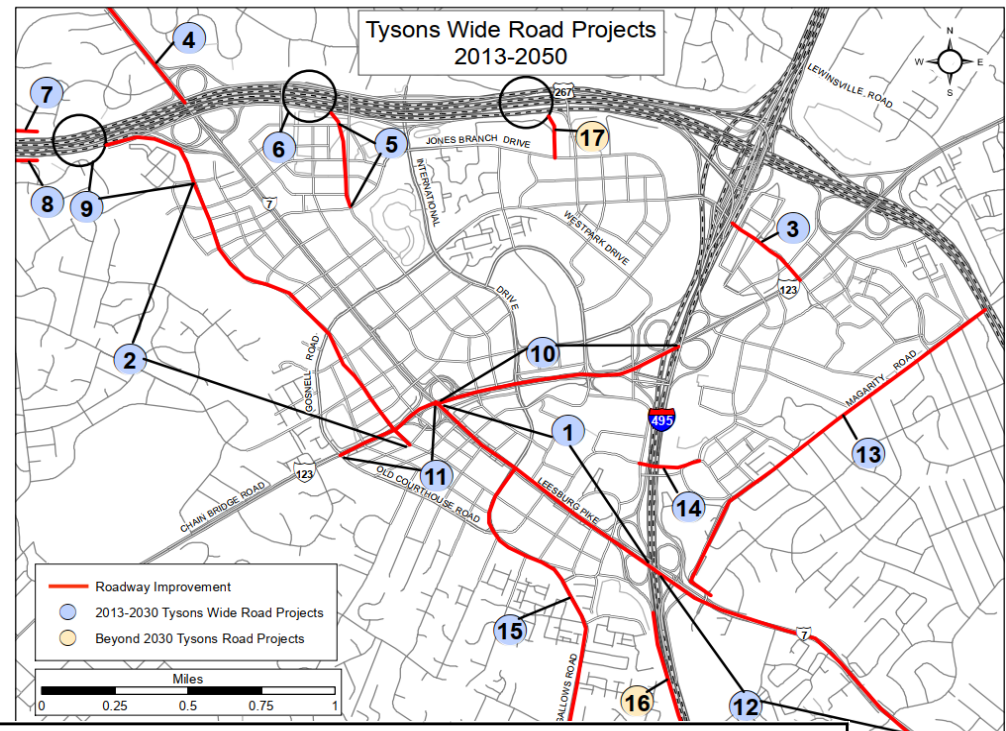


# Transportation Projects

# Major Roadway Projects (Tysons-wide)

## Tysons-wide Improvements:

- The Comp Plan Amendment identified 17 Tysons-wide roadway improvements necessary to support the anticipated growth.
  - 2 of the 17 are complete (#3 & 14)
  - 1 of the 17 is under construction (#4)
  - 9 others in study, preliminary engineering, or design (#'s 1, 2, 5, 6, 9, 10, 12, 15, 17)



- |   |  |
|---|--|
| 1 Route Widening (Route 123 to I-495)                             | 10 Route 123 Widening (Route 7 to I-495)                   |
| 2 Boone Blvd Extension (Route 123 to Ashgrove Ln)                 | 11 Route 123 Widening (Old Courthouse Rd to Route 7)       |
| 3 Jones Branch Connection to I-495 (Jones Branch Dr to Route 123) | 12 Route 7 Widening (I-495 to I-66)                        |
| 4 Route 7 Widening (Reston Ave to Dulles Toll Road)               | 13 Magarity Rd Widening (Lisle/Route 7 to Great Falls St)  |
| 5 Greensboro Drive Extension (Spring Hill Rd to Tyco Rd)          | 14 I-495 Overpass at Tysons Corner Center                  |
| 6 Dulles Toll Road Ramp to Greensboro Drive Extension             | 15 Gallows Rd Widening (Route 7 to Prosperity Ave)         |
| 7 Dulles Toll Road Westbound Collector Distributor                | 16 I-495 Additional Lane (Outer Loop, Route 7 to I-66)     |
| 8 Dulles Toll Road Eastbound Collector Distributor                | 17 Ramps Connecting Dulles Toll Road to Jones Branch Drive |
| 9 Dulles Toll Road Ramp to Boone Blvd Extension                   |  |

# Major Roadway Projects (Cont.) – Project #4

## Route 7 Widening - (Reston Avenue to Dulles Toll Road)

- Widen Route 7 from 4 to 6 lanes from Jarrett Valley Drive to Reston Avenue
  - Intersection improvements
  - Shared use trail on both sides
  - Upgraded bus stops
- Total Project Estimate: \$314 million
  - VDOT is the project manager with County input
- Project Schedule:
  - Construction started: Spring 2019
  - Original estimated project completion: Summer 2024
  - Expected project completion: Spring 2024
- Current Status:
  - Most lanes open along roadway.
  - Roadway lighting being finalized.





# Major Roadway Projects (Cont.) – Project #1

## Route 7 Widening (Route 123 to I-495)

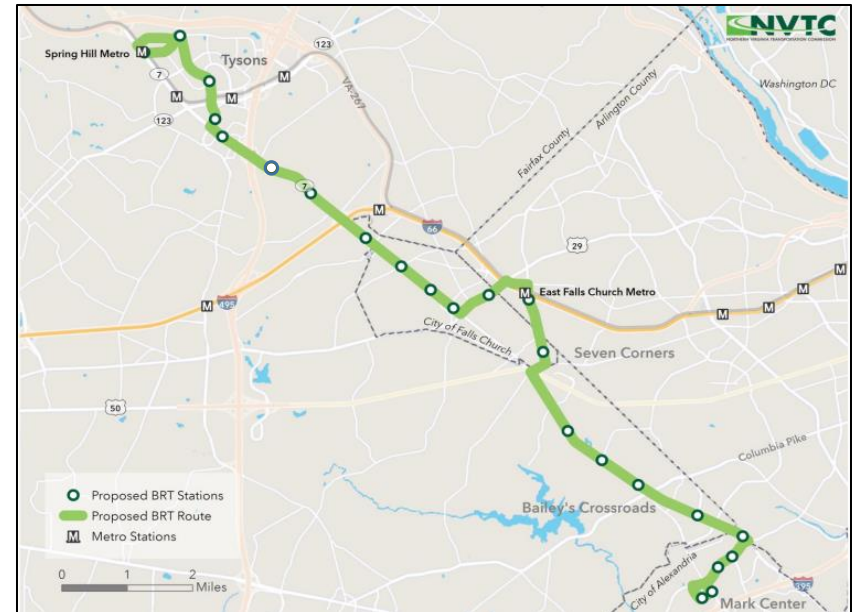
- Route 7 widening study is being coordinated with the BRT study.
- Two new lanes in the median for future BRT (International to I-495) while widening roadway to the outside to preserve 6-lane section.
- Final BRT recommendations approved by Board of Supervisors (BOS) in July 2021
- VDOT completed Project Pipeline Study for this section of roadway in 2022 - included access management improvement, ped/bike improvements, and roadway widening for future BRT.
- County receiving Smart Scale funding to cover approximately half the cost of the project.



# Route 7 BRT (International to I-495)

## *NVTC's Envision Route 7 Study Background:*

- Conducted by Northern Virginia Transportation Commission (NVTC)
- Project partners include Arlington County, Fairfax County, City of Alexandria, City of Falls, NVTC, DRPT, WMATA, and VDOT
- Identified BRT as preferred alternative from Mark Center in Alexandria to Tysons
- Recommended dedicated bus lanes within Tysons and between Seven Corners and Baileys Crossroads and provide multimodal solution
- Next phase will look at transportation analysis for entire Route 7 Corridor
- Connects to Alexandria's West End Transitway at the Mark Center





# Major Roadway Projects (Cont.)

## Other Projects

### Route 7 Widening (I-495 to I-66) Project #12

- Route 7 BRT alignment was approved by BOS in July 2021
- Planning work, including BRT lanes, is underway
- \$10.5 million in service district funds approved for design and land acquisition

### Ramp from Greensboro Drive to Dulles Toll Road Project #6

- Study began January 2021, to be completed in Summer 2024.
- Will include 15% design for recommended ramps
- \$1 million in service district funds approved for study/engineering

# Major Roadway Projects (Cont.)

## Other Projects

### Tyson's Westpark Fire Station and Transit Center

- Redevelopment of the transit center on Jones Branch Dr to include a five bay fire station and five bay bus transit facility
- Accommodates new ramp to Dulles Toll Road
- Total project estimate is \$20,000,000
- Design is underway



Fire Station View



Transit Center View

# Tysons Table 7B Projects

## Route 123 Modified Intersection Treatment (I-495 to the Dulles Connector Road)

- Multiple options being considered and evaluated including Super Street Option selected in the previous study, Cleveland Ramp and various roadway improvements

## Route 123 Modified Intersection Treatment (I-495 to International Drive) – Project #10

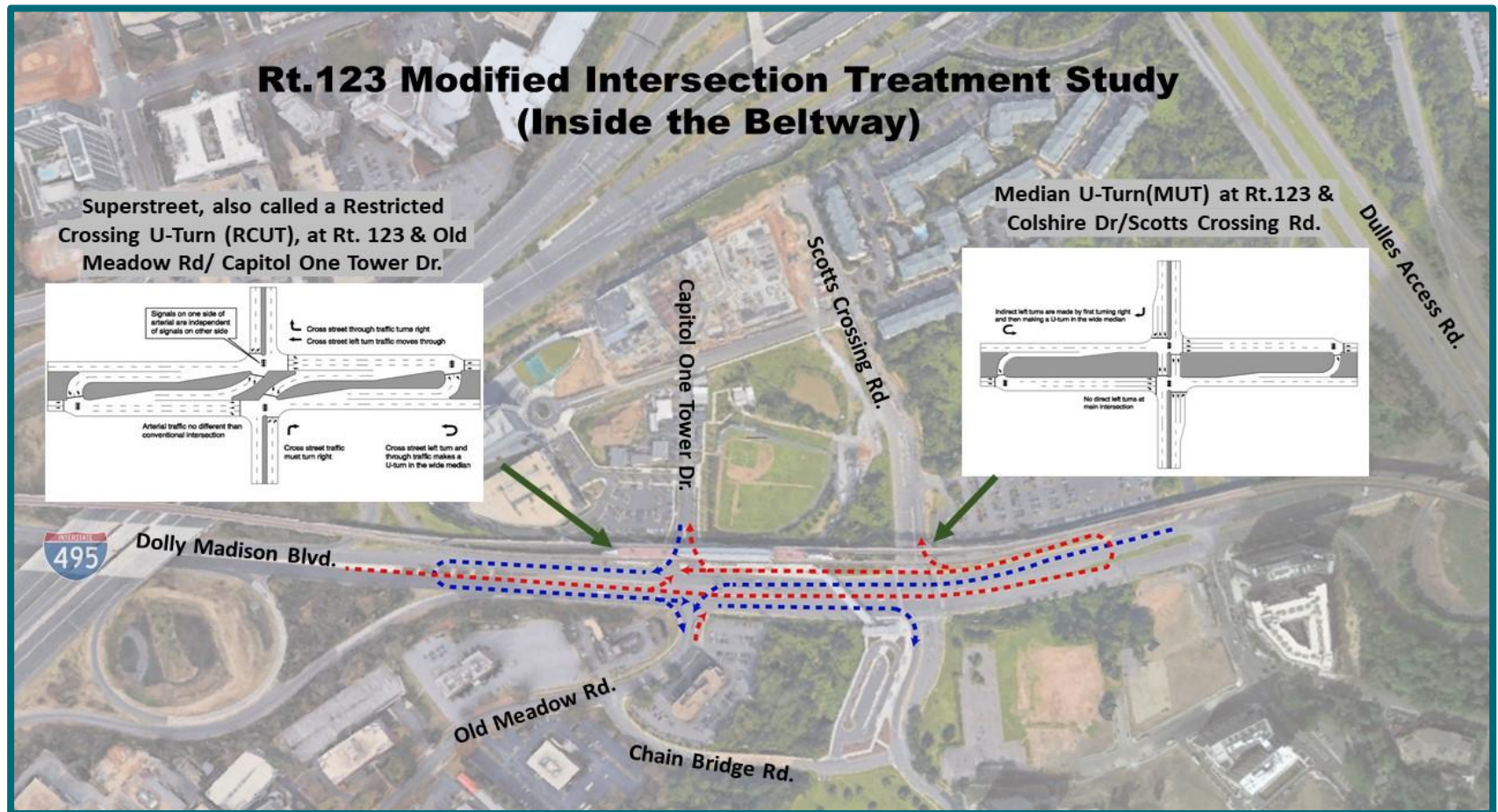
- Multiple options being considered and evaluated including the Comprehensive Plan recommendation and various roadway improvements

## Both Projects

- Analysis of Future Conditions: Completed
- Analysis of Preferred Alternative: Completed
- Additional Mitigation Measures Evaluation: Completed
- Final recommendation and Phasing Analyses: Study was completed in summer 2023 and is pending public outreach.



# Tysons Table 7B Projects (Cont.)



# Tysons Table 7B Projects (Cont.)

## Cleveland Ramp

- Modification to the eastbound off-ramp from the Dulles Access Road to Route 123
- Two preferred alternatives: Braided Ramp and an Auxiliary Lane concepts from the previous study
- Included in the Route 123 Modified Intersection Treatment Study
- Discussing strategies with VDOT for funding and advancing this project

## Route 7/Route 123 Interchange

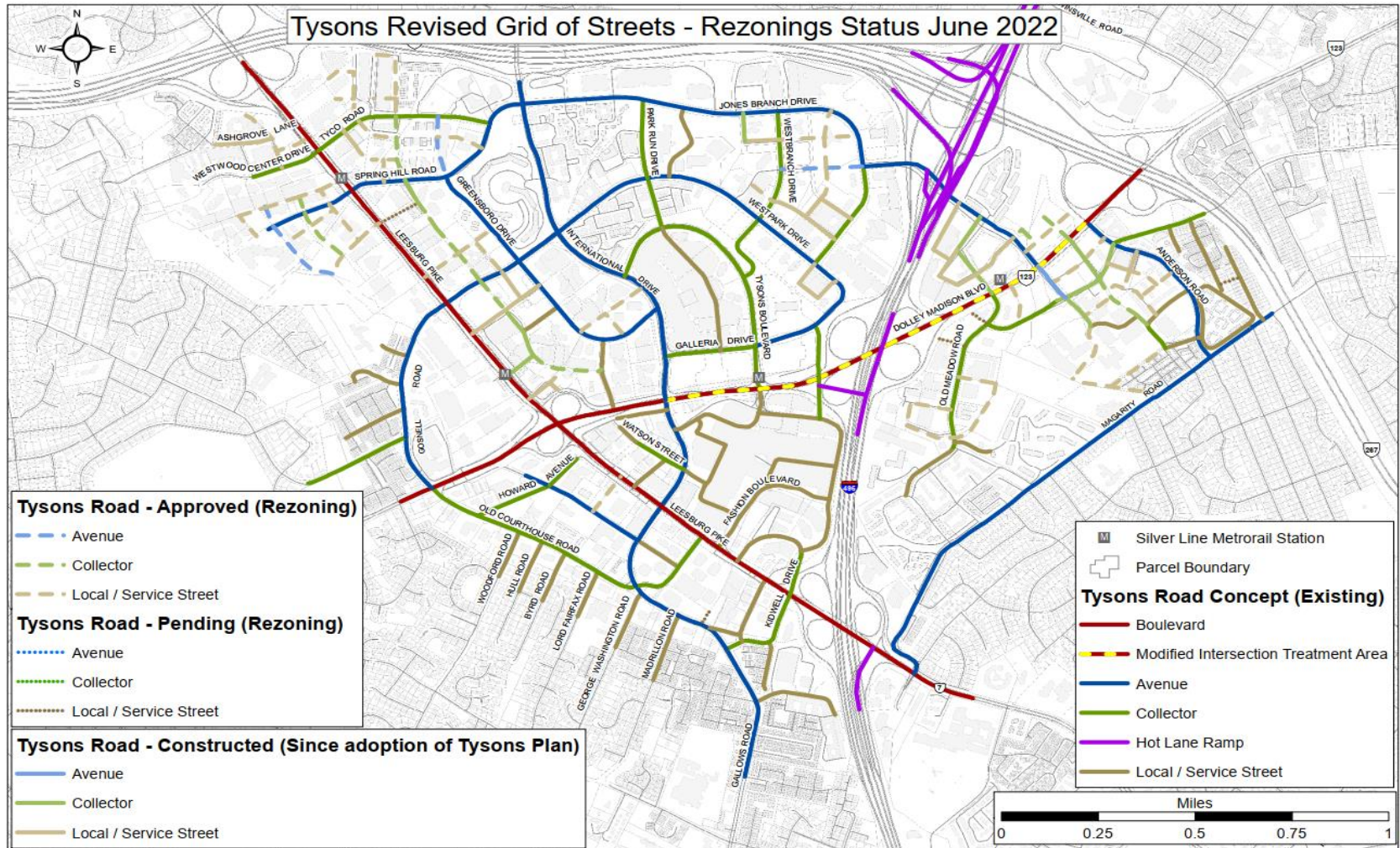
- Three concepts are being analyzed
- Evaluation of concepts temporarily on-hold
- Third concept (quadrant intersection) currently being developed, to be completed Spring 2024
- Stakeholder meetings planned once evaluation complete

## Gallows Road at Gallows Branch

- To I-495 southbound ramp
- Study to be initiated in the future



# Tyson's Grid of Streets On-going Development

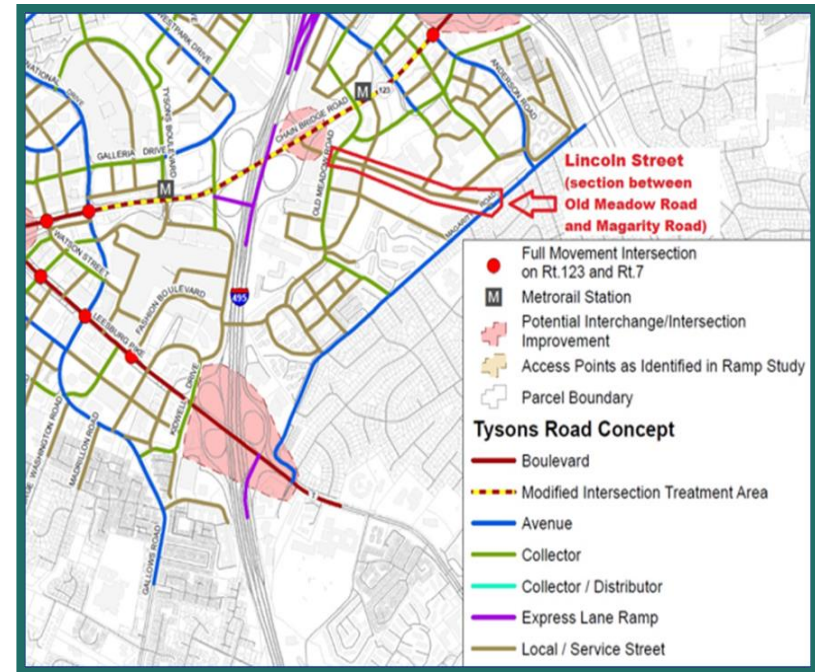




# Tyson's Grid of Streets (Cont.)

## Lincoln Street

- Street to connect Route 123 to Magarity Road.
- Will allow access to existing/approved developments along Old Meadow Road from Magarity Road.
- Additional access to residential units on Old Meadow Road.
- Total Project Estimate: \$47.9 million
- Community meeting was held in May 2022
- Feasibility Study and 15% Design (Concept Plan) was completed in August 2022.
- VDOT Project Administration Agreement Executed in July 2023



# Transit Service McLean & Tysons

## Transit service in Tysons & McLean

### Fairfax Connector

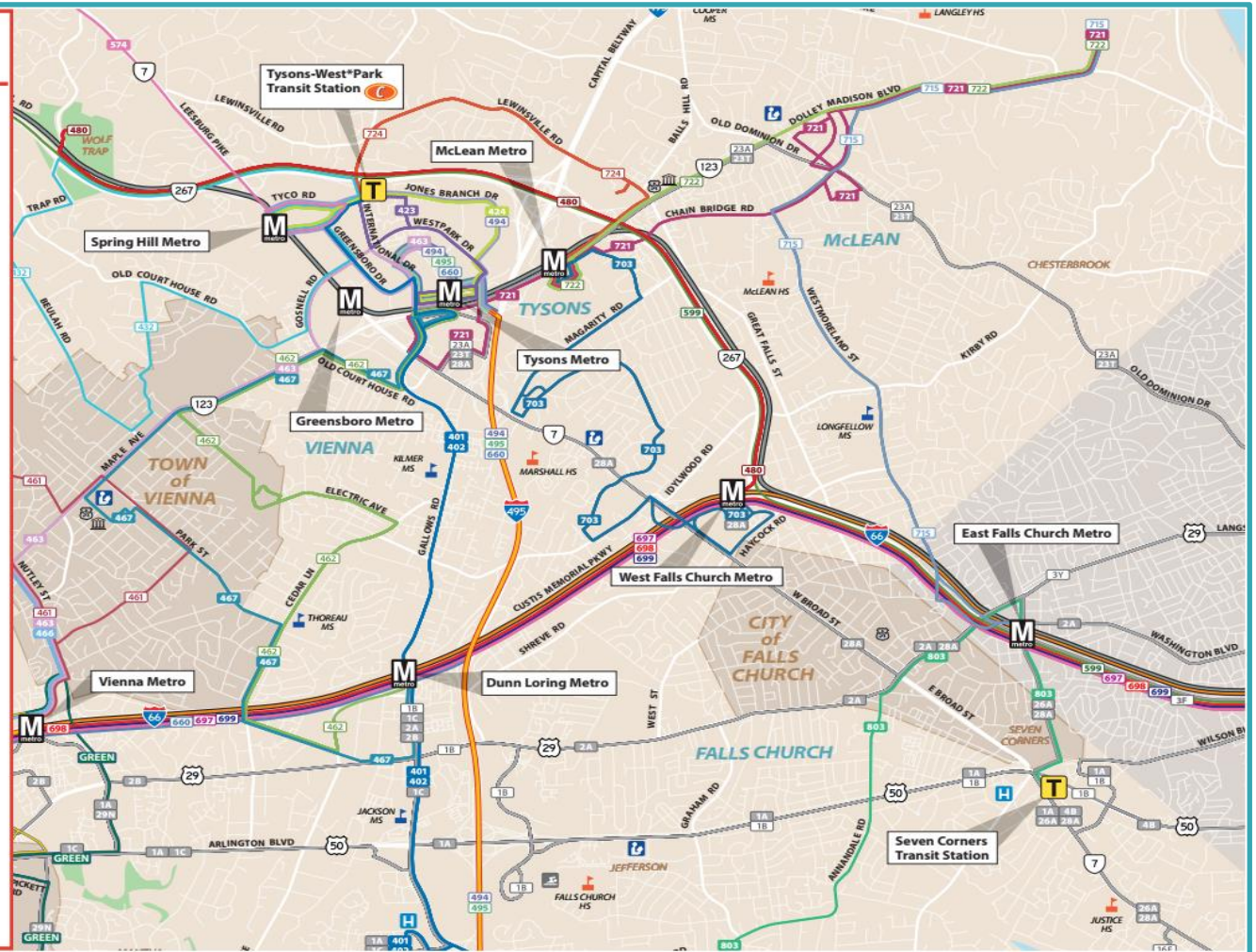
- 401** Weekday, Saturday & Sunday Service
- 402** Weekday, Saturday & Sunday Service
- 422** Weekday Service Only
- 423** Weekday, Saturday & Sunday Service
- 424** Weekday & Saturday Service
- 432** Weekday Rush Hour Service Only
- 462** Weekday Rush Hour Service Only
- 463** Weekday, Saturday & Sunday Service
- 467** Weekday & Saturday Service
- 494** Weekday Service Only
- 495** Weekday Service Only
- 574** Weekday, Saturday & Sunday Service
- 660** Weekday Service Only
- 703** Weekday, Saturday & Sunday Service
- 715** Weekday Service Only
- 721** Weekday, Saturday & Sunday Service
- 722** Weekday Service Only
- 724** Weekday Rush Hour Service Only

### Metrobus

- 23A** Weekday, Saturday & Sunday Service
- 23T** Weekday, Saturday & Sunday Service
- 28A** Weekday, Saturday & Sunday Service

### Metrorail

- SV** Silver Line: Spring Hill, Greensboro, Tysons Corner, McLean, East Falls Church
- OR** Orange Line: Dunn Loring, West Falls Church, East Falls Church



# Transit Service (Cont.)



## Purpose

- Enhance transit service in the Tysons area
- Support transit-oriented development
- Provide transit connections from the Metrorail stations to areas of Tysons not within walking distance

## Implemented Service

- 2020 – New transit service from McLean to Langley (Routes 721 and 722)
- 2021 – Metrobus routes 3T and 15K reinstated and converted to Fairfax Connector routes 703 and 715
- 2023 – New express service from Centreville (Stone Rd) P&R, Government Center, and Vienna Metro to Tysons (Route 660) using I-66 express lanes



# Transit Service (Cont.)



## Ridership Trends

- Overall, ridership has continued to increase in FY 2024, primarily a result of pandemic recovery and workers returning to their offices
- As of January 2024, year-over-year ridership in Tysons/McLean is up by 13% for Weekday service, 8% for Saturday service, and 7% for Sunday service

## Future Improvements

- Tysons Westpark Transit Station reconstruction as part of fire station Project
- Tysons area transit service changes as described in the Transit Strategic Plan (TSP)
- Route 798 Express bus service between Tysons and Bethesda, Maryland via I-495 / American Legion Bridge
- Route 494 service adjustment to improve schedule reliability

# Transit Service (Cont.)



## Route 798 Tysons - Bethesda

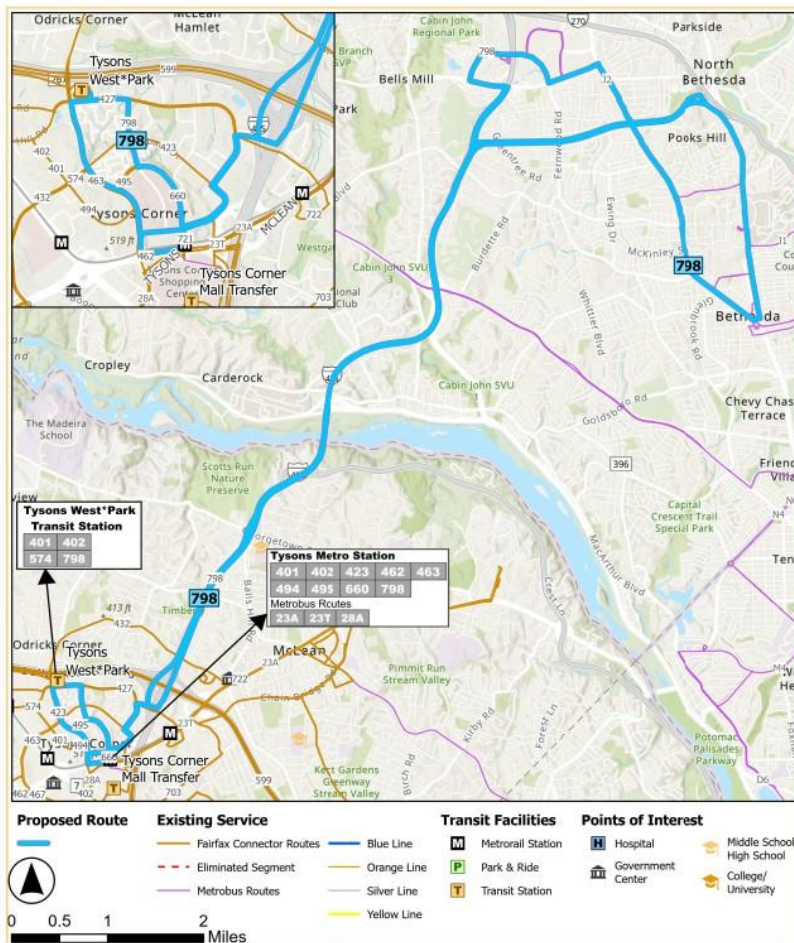
- Part of regional response to I-495 American Legion Bridge capacity issues
- Linking Metrorail's Silver and Red lines providing a direct connection between Maryland and Fairfax County that is not currently possible via Metrorail
- Route will link four major activity centers: Bethesda, National Institutes of Health (NIH), Montgomery Mall, and Tysons
- Will provide bi-directional peak service during express lanes construction
- Prior to the completion of the Express Lanes Project, the service will operate during peak periods only with a 20 - 40-minute headway. When the planned Express Lanes project is complete, Route 798 will be expanded to 15-minute headways and include off peak service every 45 minutes (Service expansion is subject to funding availability)
- Capital and Operating costs for the initial phase have been allocated and service is anticipated to begin in 2024

# Transit Service (Cont.)

## Route 798: Tysons - Bethesda



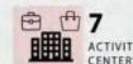
### ROUTE 798: TYSONS - BETHESDA



OVERVIEW	CLASS	Express
	DIRECTIONS	Northbound/Southbound
	VIA	Tysons Metro Station, I-495, Montgomery Mall, Medical Center Metro Station, Bethesda Metro Station
	TRANSFERS AVAILABLE	<b>Connector</b> 401, 402, 423, 427, 462, 463, 494, 495, 574, 660; <b>Metrorail</b> Silver Line, Red Line; <b>Metrobuses</b> 23A, 23T, 28A J1, J2; <b>Ride On</b> 29, 30, 32, 33, 34, 36, 46, 47, 70, 101; <b>MTA</b> 203
	IMPROVEMENT(S)	New express service between Tysons and Bethesda

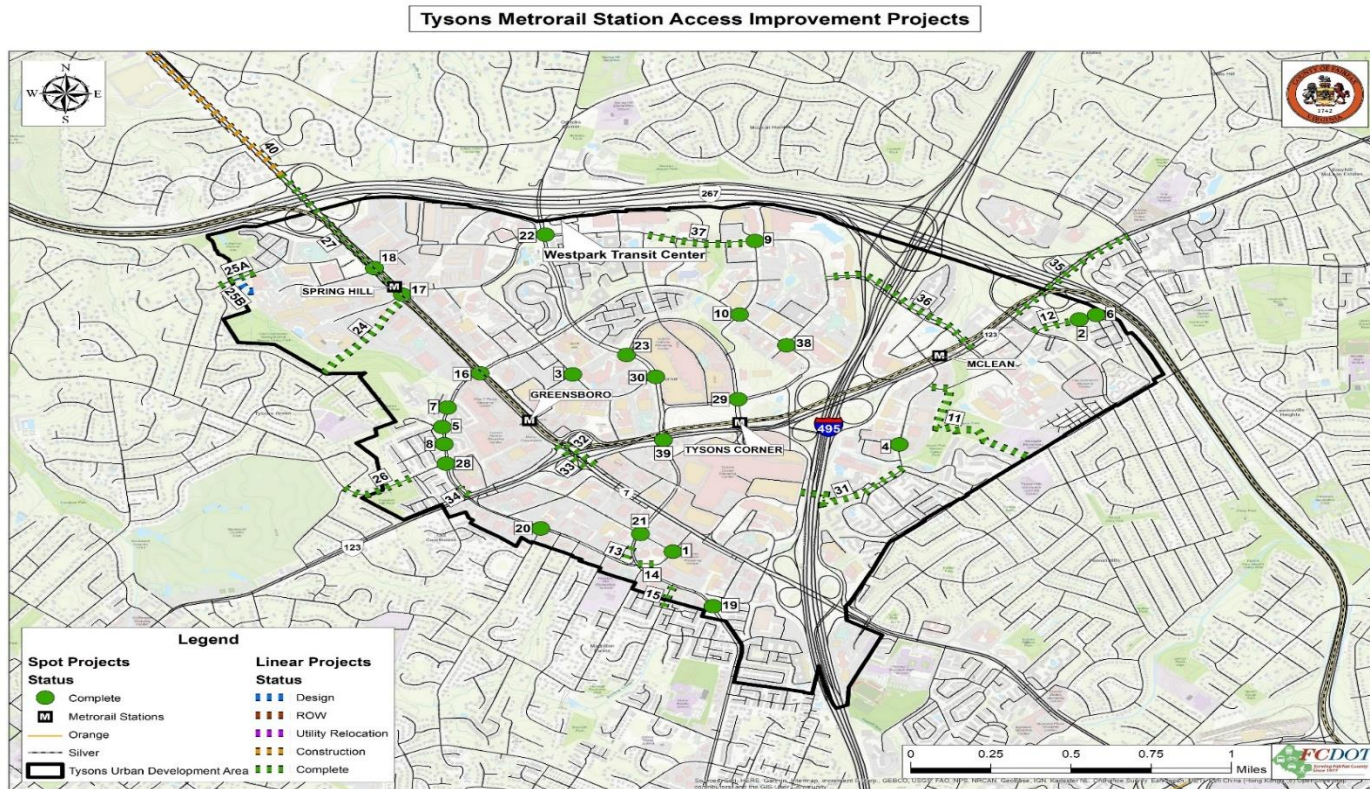
LEVEL OF SERVICE	PROPOSED ROUTE 798	WEEKDAY		SATURDAY	SUNDAY
		SERVICE HOURS		5:50 AM - 8:50 AM 3:30 PM - 6:30 PM	No Service
		FREQUENCY		20 to 40 mins	No Service
		RUSH	20 to 40 mins	No Service	No Service
		NON-RUSH	No Service	No Service	No Service

### FACILITIES SERVED WITHIN A QUARTER MILE



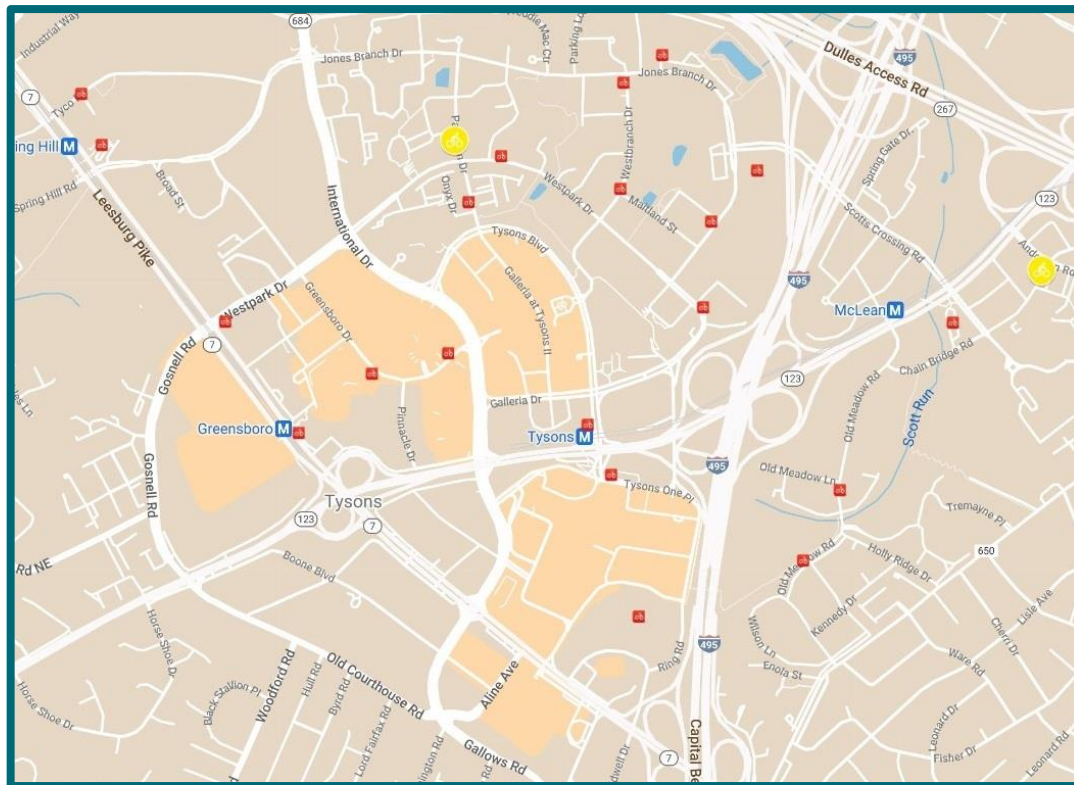


# TMSAMS Project Map



- All TMSAM Projects have been completed, except for Route 7 Walkway and Ashgrove Trail.
  - Route 7 Walkway will be completed in Summer 2024 with the larger Route 7 widening project.
  - Ashgrove Trail will be completed by the Park Authority.

# Tysons BikeShare



Some stations to move within Tysons to improve ridership and revenue

Five Providence TAP grant stations installed as of December 2023

Red icons are existing stations  
Yellow icons are planned stations

2019 trips: 10,850  
2020 trips: 4,051  
2021 trips: 3,833  
2022 trips: 6,322  
2023 trips: 14,160

# Tysons Neighborhood Traffic Study

## Purpose

- Evaluate existing (at the time 2008) and future (2030) traffic impacts and potential mitigation measures for 30 intersections in the areas surrounding Tysons
- 13 intersections were shown to have either AM, PM, or both peak hours failing (LOS F is considered failing) under 2008 conditions

## Selection Method

- Intersections were chosen based on input from Dranesville, Providence, and Hunter Mill Supervisors
- Staff evaluated 2030 conditions and potential mitigation measures and decided upon a series of proposed next steps

## Proposed Next Steps

- Annually monitor locations that currently do not fail that are projected to potentially fail by 2030
- Locations in the “Monitor” category will be evaluated regularly, with potential solutions generated for locations with LOS deteriorating towards failure
- Feasibility studies, design, construction activities are underway for specific projects.



# Tysons Neighborhood Traffic Study (Cont.)

## Projects Advancing:

### Lewinsville Road and Spring Hill Road

- Two alternatives were advanced for detailed traffic analysis and plan development
- The Offset T-Intersection is the preferred alternative
- Final report was completed in Fall 2022

### Lewinsville Road and Leesburg Pike

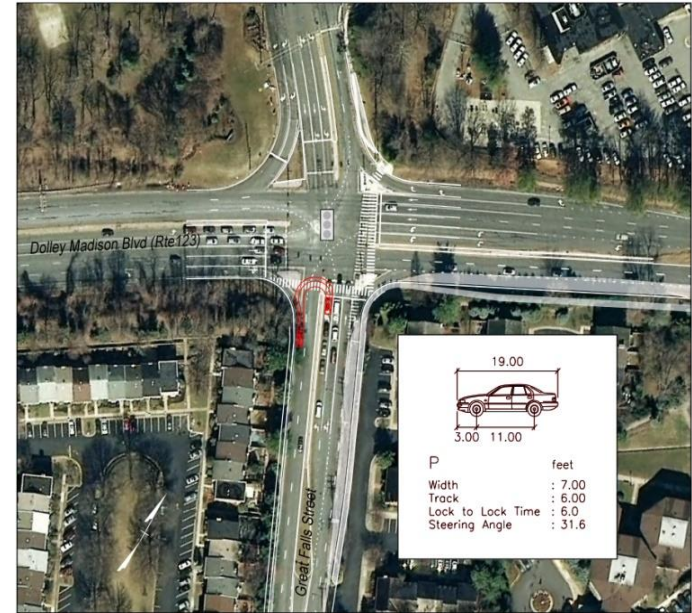
- Part of the VDOT Route 7 Widening Project (Jarrett Valley Drive to Reston Avenue)
- Concept for this intersection is a displaced left turn
- Final configuration implemented
- Estimated completion: Spring 2024

### Balls Hill Road and Old Dominion Drive

- Preferred T-Intersection Improvements Option A.1 Intermediate design submitted in July 2021
- Two Community meetings held in June 2022 one virtual and one in-person, comment period closed at the end of July
- Prefinal design is in progress.

# Tysons Neighborhood Traffic Study (Cont.)

- **Dolley Madison Boulevard Corridor Study was completed in December 2022**
  - Includes the following Neighborhood Study intersections:
    - Dolley Madison Boulevard at Lewinsville Road/Great Falls Street
    - Dolley Madison Boulevard at Old Dominion Drive
    - Lewinsville Road at Balls Hill Road
    - Great Falls Street and Chain Bridge Road
    - Lewinsville Road and Old Maple Drive
    - Dolley Madison Boulevard and Ingleside Avenue
    - Old Dominion Drive and Ingleside Avenue/Park Avenue
  - Analysis of short-term and long-term mitigation measures has been completed
  - A community meeting was conducted in June 2019 and May 2022
  - A survey concerning mitigation measures was conducted during Summer 2019 and Summer 2022, October 2021, February and August 2022
  - Staff recommended priority improvements:
    - Priority 1: Concept 3A (Additional SB Lane on Lewinsville), Concept 5 (Exclusive LT Lanes on Great Falls/Lewinsville)
    - Priority 2: Concept 1 (3 Continuous Lanes on Route 123 EB), Concept 2 (3 Continuous Lanes on Route 123 EB at Great Falls/Lewinsville)
    - Priority 3: Concept 7 (Option Lane to WB Route 123/267), Concept 8 (Extended WBT Lane at Great Falls/Lewinsville)





# FY 2024 Revenues Collected and FY 2025 Rate Recommendation



# Service District Revenues to Date

	Total	Taxes Collected	Interest
FY2014-2023	\$72,042,131	\$70,120,723	\$2,749,282
FY2024 <sup>1</sup>	\$9,683,208	\$8,855,334	\$827,874
Total <sup>2</sup>	\$81,725,339	\$78,976,057	\$2,749,282
Currently Allocated to Projects	(\$39,197,116)		
Available Project Funds <sup>3</sup>	\$42,528,223		

[1] As February 29, 2024.

[2] The total Service District revenue obligation is \$315.9 million (2021 dollars). Approximately 22.8% has been collected as of February 29, 2024

[3] Funding available to construct projects currently in preliminary engineering or design.

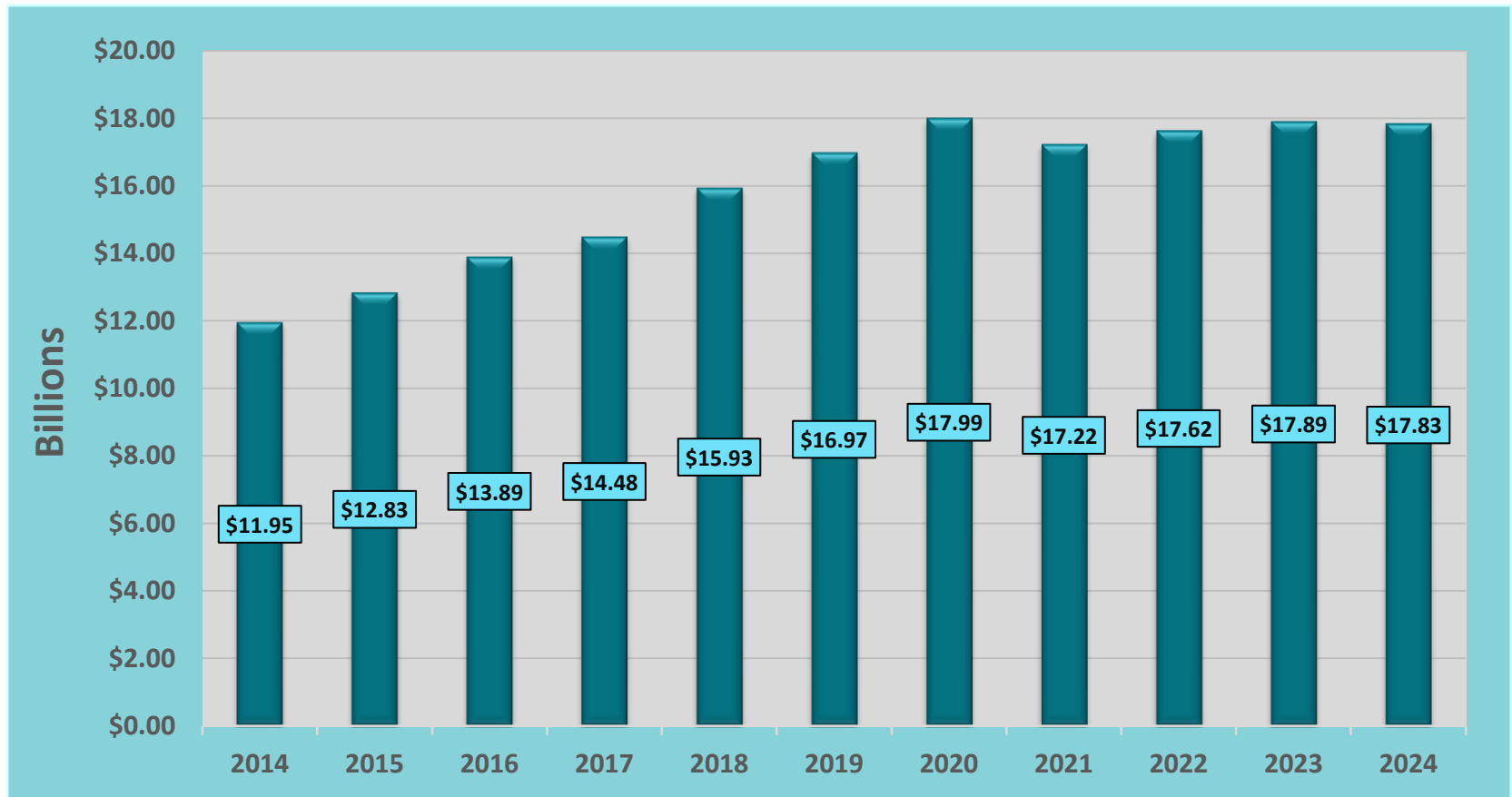
# Service District Allocations to Date

Approved Service District Funds		Expended through February 29, 2024
Route 7 Widening (I-495 to I-66) <sup>1</sup>	\$10,500,000	\$53,043
Tysons/Old Meadow Ped Bridge (over I-495) <sup>2</sup>	\$4,612,586	\$4,612,586
Route 7 Widening (Route 123 to I-495) <sup>1</sup>	\$10,000,000	
Route 123 Widening (Old Courthouse Road to Route 7) <sup>1</sup>	\$2,250,000	
Route 123 Widening (Route 7 to I-495) <sup>1</sup>	\$2,000,000	
Route 7 Widening (DTR to Reston Ave) <sup>1</sup>	\$8,834,530	\$8,834,530
Greensboro Ramp to Dulles Toll Road <sup>1</sup>	\$1,000,000	\$679,964
<b>Total</b>	<b>\$39,197,116</b>	<b>\$14,180,123</b>

<sup>1</sup> These projects are funded using multiple sources, and other sources may be used first.

<sup>2</sup> Allocated Service District revenues fully expended.

# Assessed Value History



- 0.34% decrease from 2023 to 2024
- Close to returning to pre-2020 levels of ~\$18 M.



# Year to Year Comparisons

	2023	2024
Assessed Value (AV)	\$17.89 billion <sup>+</sup>	\$17.83 billion <sup>++</sup>
AV Growth over prior year	1.52%	-.34% <sup>1</sup>
Tyson's District Tax Rate Per \$100 AV	\$0.05 <sup>2</sup>	\$0.05 <sup>2,3</sup>
Dulles Rail Phase I Tax Rate Per \$100 AV	\$0.09	\$0.09 <sup>3</sup>
Combined Tax Rate Per \$100 AV	\$0.14	\$0.14

+ - AV as of January 1, 2023.

++ - AV as of January 1, 2024.

[1] Equalization and growth.

[2] Service district rate held flat at \$0.05 and approved by the BOS on May 5, 2023.

[3] No change recommended for FY 2025.

# Staff Recommendations

## ➤ Voting Items:

- Staff recommends holding the rate flat at \$0.05 in FY 2025
- Staff recommends allocating \$35.5M to continue advancing Route 7 Widening (123 – I-495)
- Approval of the Revised TTSDAB Bylaws

# Next Steps

- Action: Vote on rate recommendation to the Board
- Staff request that the FY 2025 letter of recommendation to the Board of Supervisors no later than April 12th
- Public Hearings to be held April 16-18, 2024
- Board adoption of the FY 2025 budget on May 7, 2024
- Staff follow up on requested information



Questions?