

***Loudoun County Chamber  
Policymaker Series:  
State of Transportation***

*July 21, 2020*



Presented by:

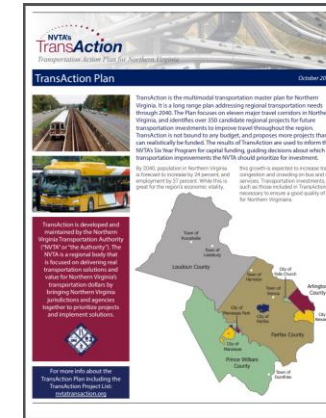
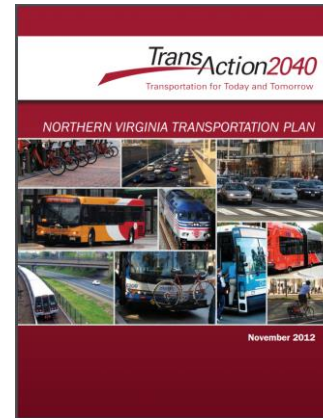
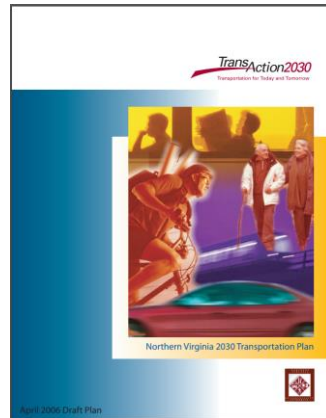
Phyllis J. Randall, Chair of Loudoun County Board of Supervisors and the Northern Virginia Transportation Authority



# Two Primary Responsibilities



1. Develop and update the long-range, multimodal Transportation Plan for Northern Virginia → TransAction (updated every five years, last adopted October 2017)



2. Prioritize and fund regional transportation projects → Six Year Program (updated every two years)



# FY2020-2025 Six Year Program Planning & Prioritizing for the Region



## **\*\*Six Year Program Update Adopted, July 9, 2020\*\***

- **Authority's 5<sup>th</sup> Funding Program – Most competitive to date**
- **\$539 Million** in Authority regional revenues programmed on **21** multimodal transportation projects
- **\$1.44 Billion** in regional revenue funds was requested by **13** Northern Virginia jurisdictions and agencies for **41** projects





# Planning & Prioritizing for the Region

- **Loudoun County was awarded full funding requests for:**
  - Evergreen Mills Road Widening from Northstar Boulevard to Stone Springs Boulevard - **\$18M**
  - Construct Crosstrail Boulevard (Route 653): Sycolin Road to Dulles Greenway (Route 267) - **\$36.7M**
- **To date, the Authority:**
  - Has programmed **22 Projects, totaling \$513,687,000 in Loudoun County**
  - Is **advancing 106 regional multimodal transportation projects, totaling \$2.5 billion**, for congestion reduction throughout the region



# 2020 Virginia General Assembly Legislation



- **Omnibus Transportation Bill (HB 1414)/(SB 890)**
  - When fully implemented, **the Bill will provide \$50 million in new revenues to the Authority to partially restore the \$102 million in funding** diverted to Metro in 2018, when Virginia dedicated funding to Metro State of Good Repair needs.
  - **Amended due to revenue implications resulting from COVID-19.**
  - **Amendments on transportation funding** will delay some funding provisions to the Authority but not all.
    - **\$30 million in Grantors** delayed until May 2021.
- **\$240 Million+ in Reduction in Revenues (FY20-23) (due to COVID-19 and I-81)**
  - **Despite COVID-19 impacts on revenue**, the Authority is able to **preserve all project funding programs.**



# COVID-19 Impacts on Transportation Analysis



- **NVTA recently partnered with AECOM to conduct analysis of change in travel behavior due to COVID-19**
  - **GOAL:** Explore impacts to operating conditions and future transportation project investment considerations
- **Key findings from the analysis**, include:
  - National Trends: Working from Home (53% respondents working from home due to COVID)
    - Pre-COVID, 12% of survey respondents never worked from home before; 17% only less than 25% of the time; 12% between 26-50% of the time; and 12% more than 50% of the time
  - National Trends: Public Transit Lags Behind Car Trips
  - Regional Trends: VDOT Volume Trends (Mid-April shows lowest daily volume at -55% compared to 2019 levels)
  - Regional Trends: WMATA Ridership (Ridership decline of 88% from Q4 FY2020 Budget)

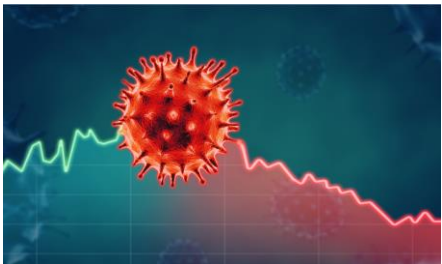


# COVID-19 Impacts on Transportation Analysis – Initial Findings



## Analysis Conclusion:

- **Short-Term** - The majority of changes occur within the first 18 months and level off around June 2021
- **"New Normal"**
  - Teleworking and economic impacts result in:
    - Traffic volumes and transit ridership that don't fully recover to pre-COVID levels
    - Significant reductions in time spent traveling and time lost in congestion
    - While congestion reduction impacts are positive, transit ridership reduction may be challenging to the financial stability of some transit agencies
- **Implications for NVTA's Planning & Programming**
  - Findings will be taken into consideration through upcoming long-range planning update





# Regional Revenues Making A Difference Economic Impact Analysis of HB 2313



Economic Impacts of

## \$3 BILLION<sup>1</sup>

in Regional Funding through the

# NORTHERN VIRGINIA TRANSPORTATION AUTHORITY

This study was completed by Richmond, VA-based Chmura Economics & Analytics.

The study period analyzed is FY2014-FY2024.

<sup>1</sup> NVTA FY2014-FY2024 Actual and Estimated Revenues



## Key Takeaways

**Creating Jobs** 

Of the **26,000** jobs created through NVTA project funding, **90%** are staying in NoVa, adding to the tax base and ensuring the future growth and vitality of the region.

**Saving Travel Time** 

**209** million hours of travel time, or **\$3.1** billion dollars in monetary savings, giving the taxpayers more than **100%** return on the taxes they entrust to NVTA. NVTA's projects are expected to save Virginia citizens

**Triggering Momentum** 

NVTA's funding of **\$1.9** billion in 95 multimodal regional projects has triggered another **\$3.8** billion in additional investments. **\$5.7** billion in critical transportation projects to NoVa

The taxes paid by Northern Virginians to NVTA, benefit the entire Commonwealth through increased economic activity.





# Economic Impact Analysis of NVTA Funded Projects with HB 2313 Revenues

- Study conducted by an independent firm – Chmura Economics & Analytics



- For each **\$1** of direct economic impact, NoVA receives a total regional impact of **\$1.58**.



- Statewide -**NVTA projects are producing 26,000 jobs**, with **90%** of those in **Northern Virginia**.



- NVTA's funding of **\$1.9 billion in projects** has **resulted in**;
  - **additional commitments of \$3.8 billion**,
  - bringing the **total** transportation investment to **\$5.7 billion**.



- NVTA **projects are reducing travel times** through 2030 by;
  - **209 million hours**,
  - producing **cost savings of \$3.1 billion**;
  - and adding valuable time for Northern Virginians to spend time with their families.
- NVTA to update the study in the coming months, adding the projects just adopted in the FY2020-2025 SYP.



# Investing in Loudoun County

(1 of 3)



Jurisdiction/Agency	Project Title	NVTA Funding	NVTA Funding Program
Loudoun County	Leesburg Park and Ride	\$1,000,000	FY 2014
Loudoun County	Two New Transit Buses	\$880,000	FY 2014
Loudoun County	Route 28 Hot Spot Improvements (Sterling Boulevard to the Dulles Toll Road)	\$12,400,000	FY 2014
Loudoun County	Belmont Ridge Road, North of the Dulles Greenway	\$20,000,000	FY 2014
Loudoun County	Belmont Ridge Road Widening (Truro Parish Dr to Croson Ln)	\$19,500,000	FY 2015-16
Loudoun County	Transit Buses (4 New)	\$1,860,000	FY 2015-16
Loudoun County	Loudoun County Parkway Development	\$31,000,000	FY 2015-16



# Investing in Loudoun County

(2 of 3)



Jurisdiction/Agency	Project Title	NVTA Funding	NVTA Funding Program
Loudoun County	Route 28 Northbound Widening – between the Dulles Toll Road and Sterling Boulevard	\$20,000,000	FY 2018-23
Loudoun County	Route 15 Bypass Widening: Battlefield Parkway to Montresor Road	\$54,000,000	FY 2018-23
Loudoun County	Extend Shellhorn Road: Loudoun County Parkway (Route 607) to Randolph Drive (Route 1072)	\$16,000,000	FY 2018-23
Loudoun County	Northstar Boulevard – Shreveport Drive to Tall Cedars Parkway	\$64,805,000	FY 2018-23
Loudoun County	Prentice Drive Extension: Lockridge Road (Route 789) to Shellhorn Road (Route 643)	\$76,230,000	FY 2018-23
Loudoun County	Dulles West Boulevard Widening: Loudoun County Parkway to Northstar Boulevard	\$47,800,000	FY 2018-23
Loudoun County	Route 9 Traffic Calming	\$12,112,000	FY 2018-23
Loudoun County	Evergreen Mills Road Intersection Realignments – Watson Road and Reservoir Road	\$14,000,000	FY 2018-23



# Investing in Loudoun County

(3 of 3)



Jurisdiction/Agency	Project Title	NVTA Funding	NVTA Funding Program
Town of Leesburg	Route 7/Battlefield Parkway Interchange	\$13,000,000	FY 2015-16
Town of Leesburg	Route 7 (East Market Street)/Battlefield Parkway Interchange	\$20,000,000	FY 2017
Town of Leesburg	Construct Interchange at Route 7 and Battlefield Parkway	\$25,000,000	FY 2018-23
Town of Leesburg	Edwards Ferry Road at the Route 15 Leesburg Bypass Grade Separation	\$1,000,000	FY 2014
Town of Leesburg	Route 15 Bypass/Edwards Ferry Road Interchange	\$1,000,000	FY 2015-16
Town of Leesburg	Interchange Improvements at Route 15 Leesburg Bypass and Edwards Ferry Road	\$5,400,000	FY 2018-23
Town of Leesburg	Construct Interchange at Route 15 Bypass and Battlefield Parkway	\$2,000,000	FY 2018-23

**\*NVTA Regional Revenues Awarded to Loudoun County, including Leesburg: 22 Projects  
Totaling: \$513,687,000\***

# NVTA-Funded Projects in the Metro Silver Line Corridor



PROJECT NAME	PROJECT SPONSOR	TOTAL PROJECT COST	NVTA FUND
<b>Herndon Metrorail Intermodal Access improvements</b>	Town of Herndon	\$2,000,000	\$1,100,000
<b>Herndon Parkway Intersection Improvements at Van Buren St</b>	Town of Herndon	\$3,000,000	\$500,000
<b>Route 28 Hot Spot Improvements (Sterling Boulevard to the Dulles Toll Road)</b>	Loudoun County/VDOT	\$12,400,000	\$12,400,000
<b>Route 28 Widening 6 to 8 lanes (NB from McLearn Road to Dulles Toll Road)</b>	Fairfax County/VDOT	\$13,300,000	\$11,100,000
<b>Herndon Parkway Intersection Improvements at Sterling Rd</b>	Town of Herndon	\$500,000	\$500,000
<b>Innovation Center Metrorail Station</b>	Fairfax County	\$89,000,000	\$69,000,000
<b>Route 7 Bridge Widening: Over Dulles Toll Road</b>	Fairfax County/VDOT	\$34,400,000	\$13,900,000
<b>Belmont Ridge Road, North of the Dulles Greenway</b>	Loudoun County	\$55,000,000	\$20,000,000
<b>East Elden Street Improvements &amp; Widening</b>	Town of Herndon	\$30,902,000	\$10,400,000
<b>Route 7 Widening - Colvin Forest Drive to Jarrett Valley Drive</b>	Fairfax County	\$135,900,000	\$10,000,000
<b>Belmont Ridge Road Widening (Truro Parish Dr to Croson Ln)</b>	Loudoun County	\$35,863,000	\$19,500,000
<b>Prentice Drive Extension: Lockridge Road (Route 789) to Shellhorn Road (Route 643)</b>	Loudoun County	\$102,325,000	\$76,230,000
<b>Extend Shellhorn Road: Loudoun County Parkway (Route 607) to Randolph Drive (Route 1072)</b>	Loudoun County	\$126,750,000	\$16,000,000
<b>Route 28 Northbound Widening - between Dulles Toll Road and Sterling Boulevard</b>	Loudoun County	\$23,508,200	\$20,000,000
<b>Rock Hill Road Bridge</b>	Loudoun and Fairfax Counties	\$100,000,000	\$20,604,670
<b>Total</b>		\$764,848,200	\$301,234,670



# Thank you!



[TheNoVaAuthority.org](http://TheNoVaAuthority.org) and  
[NVTATransAction.org](http://NVTATransAction.org)



**Northern Virginia  
Transportation Authority**



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