



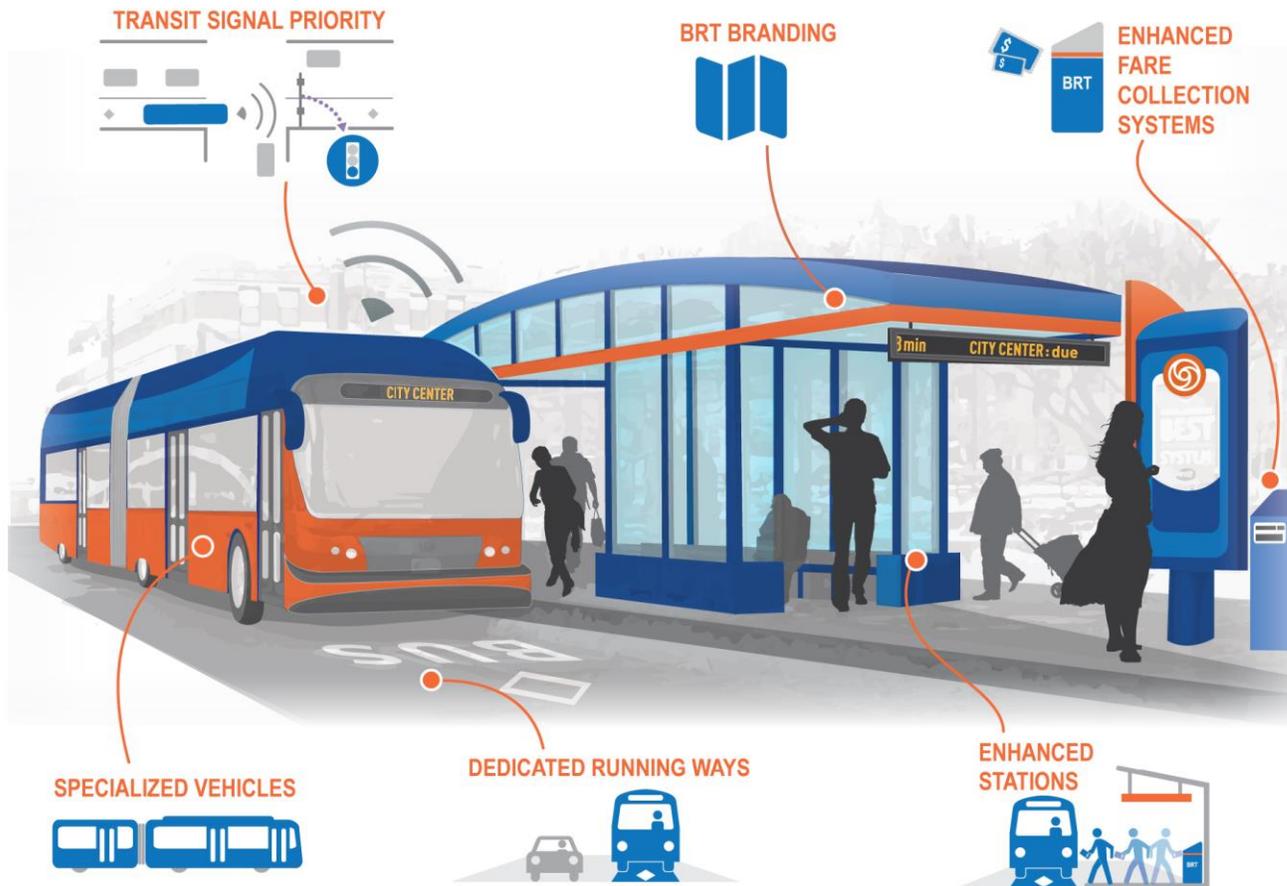
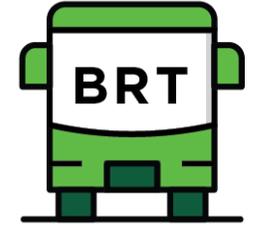
Bus Rapid Transit in Northern Virginia

What is BRT, what is planned, and where are we heading?

Xavier Harmony, Senior Program Manager



What is BRT?



- Specialized **high-quality bus transit**
- Increased bus **capacity** and **reliability**
- Toolbox of BRT features
 - **Service planning** (higher frequency)
 - **Infrastructure** (bus only lanes)
 - **Vehicles** (articulated buses)
 - **Policy** (off-board fare payment)
 - **Communications** (branding)

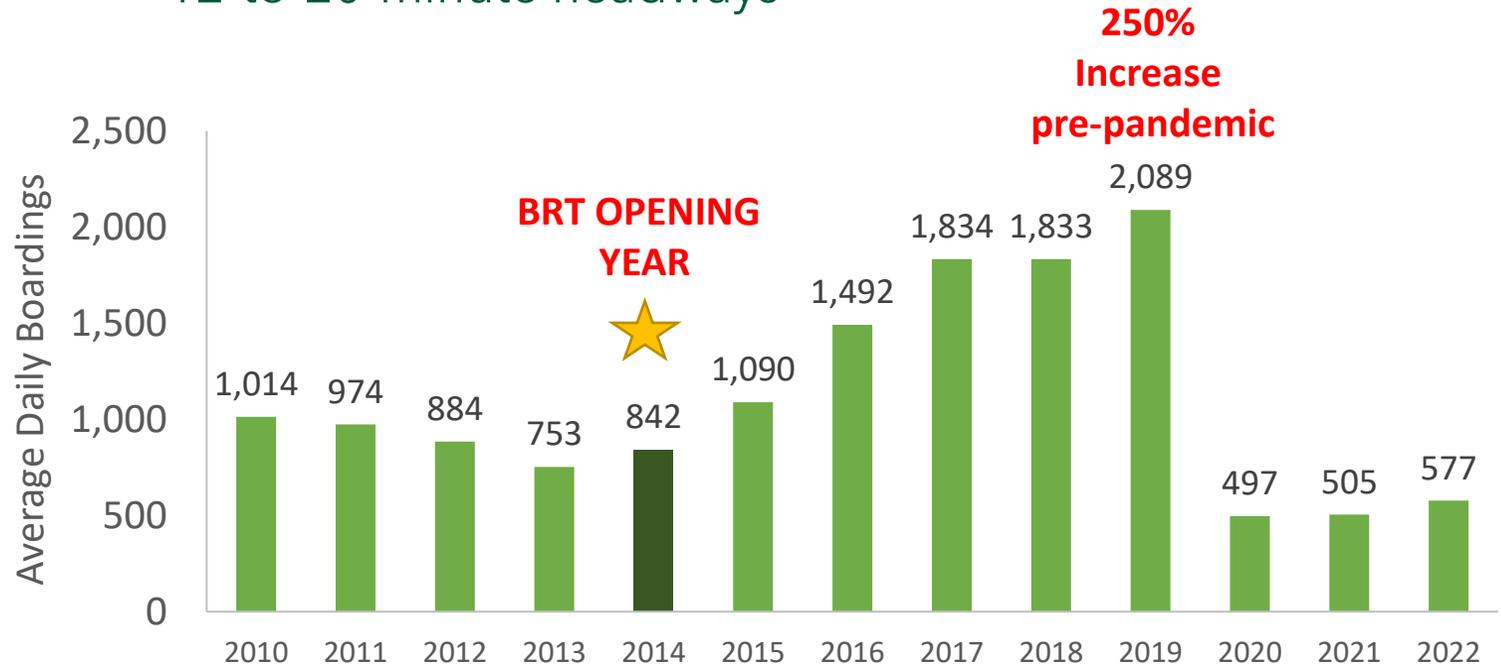
Where can we see it?

- **Metroway in Arlington/Alexandria**

- Opened in 2014 as first Washington, DC region BRT
- Braddock Road Metro Station to Pentagon City Metro Station

- **Key Facts**

- 17 stations over 6.8 miles
- 12-to-20-minute headways



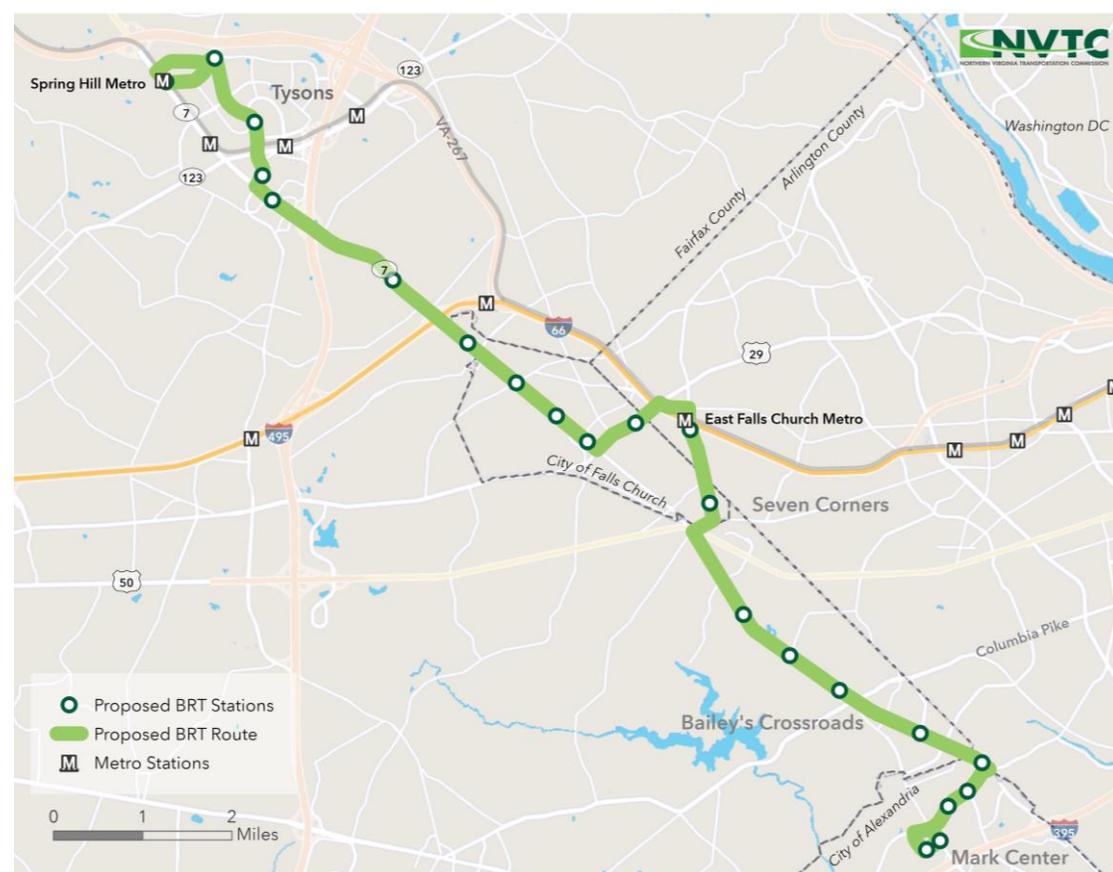
What is NVTC working on?

- **Envision Route 7 BRT**

- Bus Rapid Transit (BRT) system from Mark Center to Tysons Corner
- 22 stations over 14 miles

- **Existing service**

- WMATA 28A
- Second busiest bus ridership corridor in Northern Virginia
- ~4,000 boardings per day (now at 95% of pre-pandemic ridership)



Phase 1 - Feasibility Study (2014)

Phase 3 - Conceptual Engineering (2019)

Phase 5 - Preliminary Design and Environmental Analysis

Phase 7 - Construction

Phase 9 - Operation

Phase 2 - Travel Demand Analysis Mode and Alignment (2017)

Phase 4 - Mobility Study

WE ARE HERE

Phase 6 - Final Design

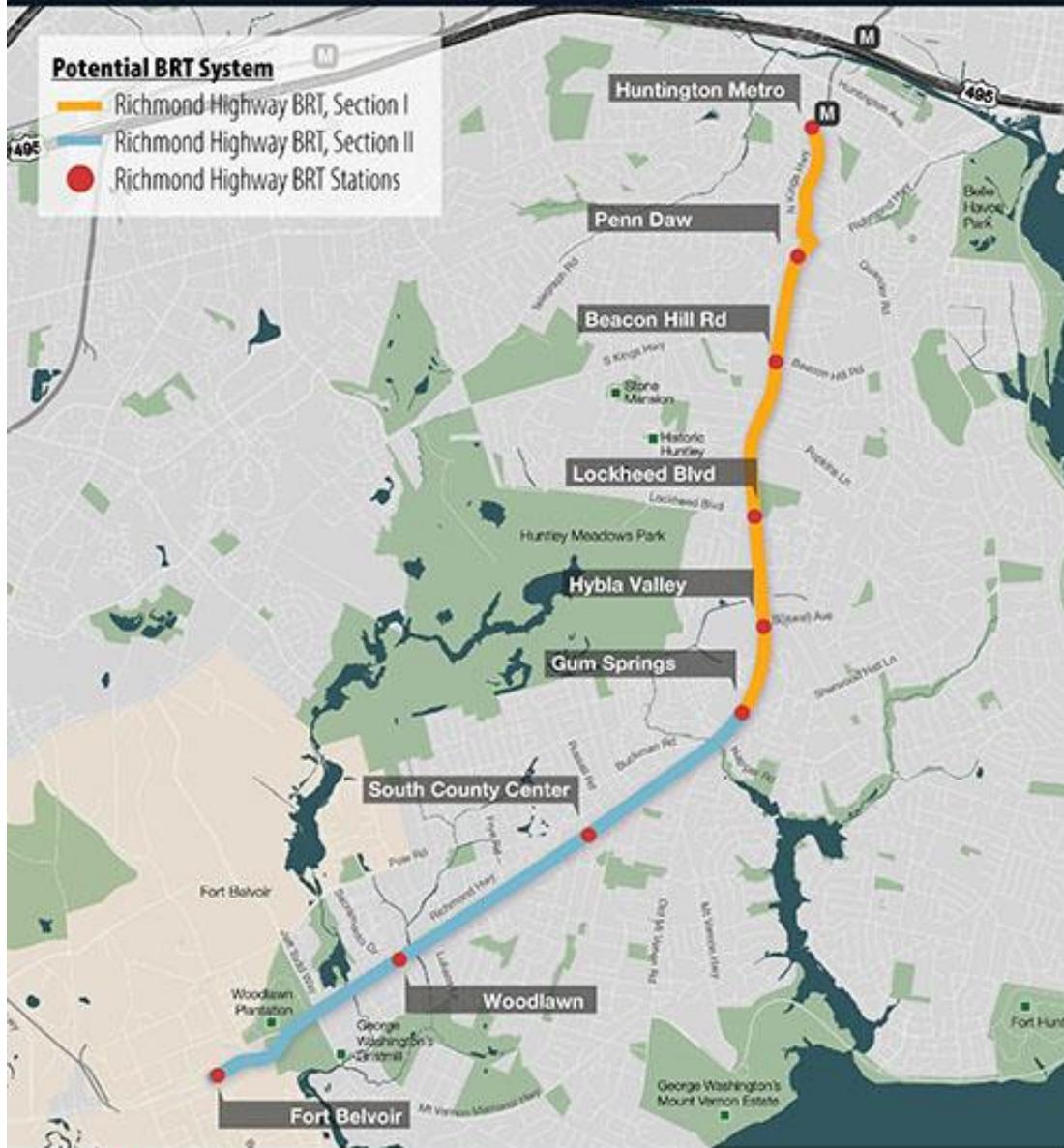
Phase 8 - Service Planning

RICHMOND HIGHWAY

Bus Rapid Transit (BRT)

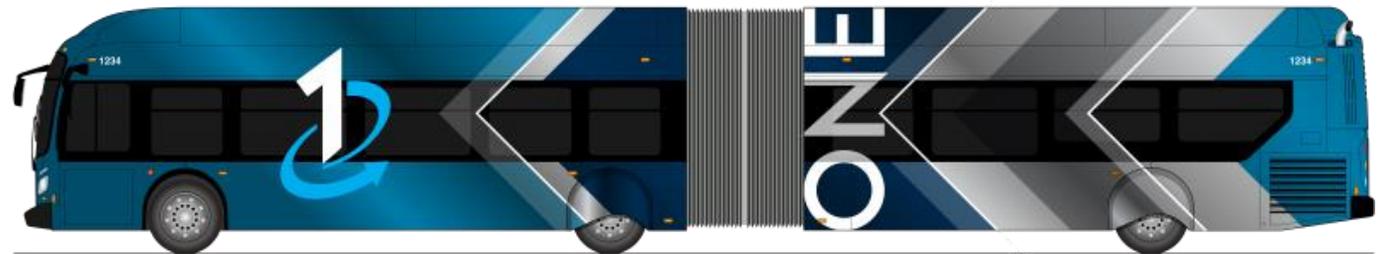
Potential BRT System

- Richmond Highway BRT, Section I
- Richmond Highway BRT, Section II
- Richmond Highway BRT Stations



There is more than just NVTC working on BRT

- **The One** planned in Fairfax County
 - Huntington Metro to Fort Belvoir
 - Expected to begin operating in 2030
- **Key Facts**
 - 9 stations over 7.4 miles
 - 6-to-20-minute headways



<https://www.fairfaxcounty.gov/transportation/richmond-hwy-brt>

What is the region working towards?



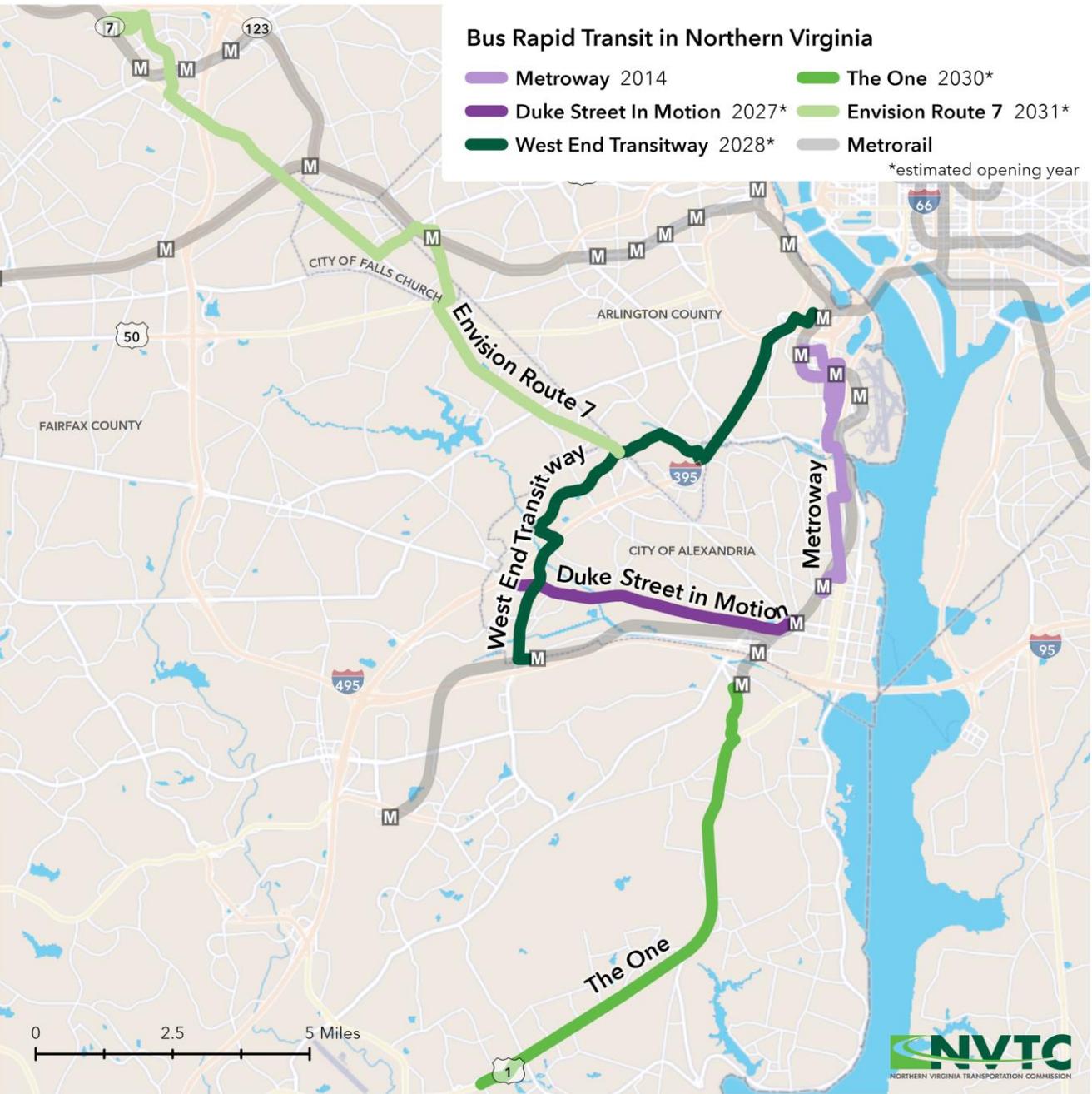
- **The end goal is a network of high-capacity transit that helps people move around the region**

- More reliably;
- More efficiently;
- More equitably, and;
- In a more environmentally friendly way

Bus Rapid Transit in Northern Virginia

- Metroway 2014
- Duke Street In Motion 2027*
- West End Transitway 2028*
- The One 2030*
- Envision Route 7 2031*
- Metrorail

*estimated opening year



How are we getting there?



Regional
Coordination

Learning from
each other



Northern Virginia
Transportation Authority
The Authority for Transportation in Northern Virginia

With a lot of
support!



Federal Transit
Administration