



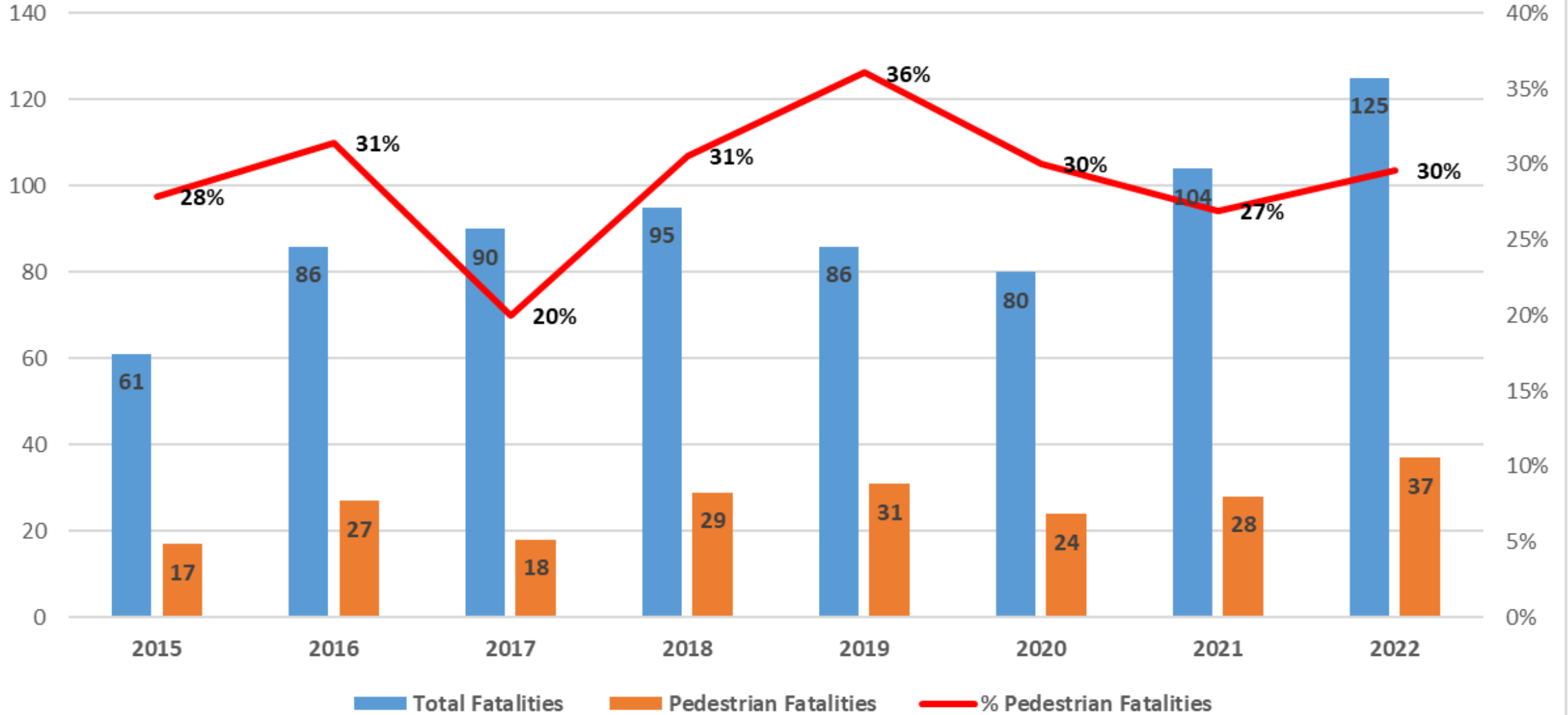
BICYCLE AND PEDESTRIAN SAFETY PROGRAMS

Northern Virginia Transportation Authority

Heidi Mitter, Bicycle/Pedestrian and Park & Ride Coordinator

May 11, 2023

% Pedestrian Fatalities in NOVA 2015-2022



Guiding Policies and Plans

- Statewide VTRANS plan goals
- 2004 VDOT Bicycle and Pedestrian Accommodations Policy
- Strategic Highway Safety Plan, *Arrive Alive* - including using FHWA's Safe System Approach
 - Vulnerable Road User (VRU) safety assessment ongoing
- Pedestrian Safety Action Plan (PSAP)



Safety Throughout

**NOVA District
pedestrian
improvements
investment
over the next
five years: \$40
million**

Virginia's Strategic Highway Safety Plan – Arrive Alive



IMPAIRED DRIVING*



SPEEDING



OCCUPANT PROTECTION



ROADWAY DEPARTURE



INTERSECTIONS



YOUNG DRIVERS



BICYCLES



PEDESTRIANS



DATA



INCIDENT RESPONSE AND EMERGENCY MEDICAL SERVICES



CONNECTED VEHICLE/AUTONOMOUS VEHICLES

Eight Emphasis Areas

Essential Areas to Meet Goals/Objectives

Pedestrian Safety Action Plan (PSAP)

Program goals

- **Better understand pedestrian safety concerns and countermeasures**
- **Consider policy and practice changes to promote pedestrian safety**
- **Identify Highway Safety Improvements Program (HSIP) pedestrian projects**
- **Map: bit.ly/VDOTPSAP**
- **Report: bit.ly/3835XJv**

HSIP Systemic Investment Plan

- Focuses on severe crashes widely dispersed over road network
- Apply low-cost countermeasures to treat specific crash types
- Wider benefit/greater return on investment with more targeted safety improvements

Completed 2021

High-visibility Backplates



Up to 15% crash reduction

Completed 2021


Flashing Yellow Arrow



Up to 20% crash reduction

Complete By 2024


Curve Signs



Up to 40% crash reduction

Complete By 2025

Pedestrian Crossings



Up to 56% crash reduction

Complete By 2024

Unsignalized Intersections



Up to 10% crash reduction

Resurfacing Cycle -15Yr


Shoulder Wedge



Up to 20% crash reduction

Complete By 2030

Centerline Rumble Stripes



Up to 60% crash reduction

Complete By 2030

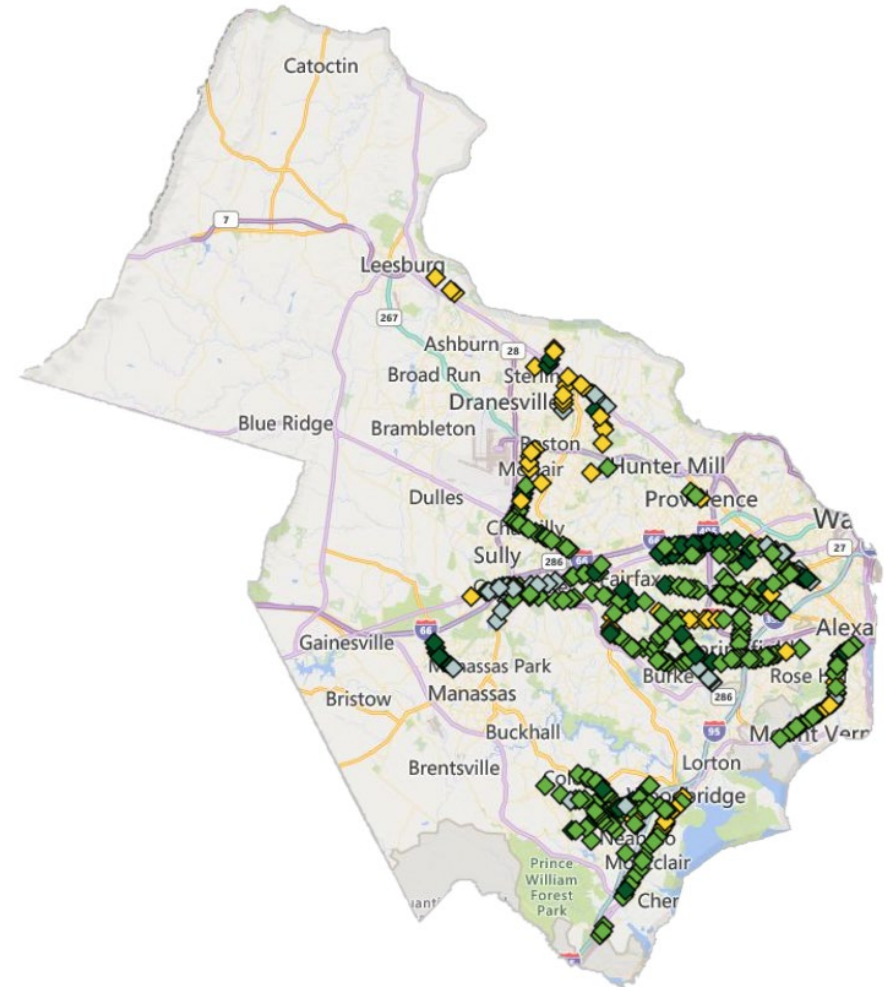
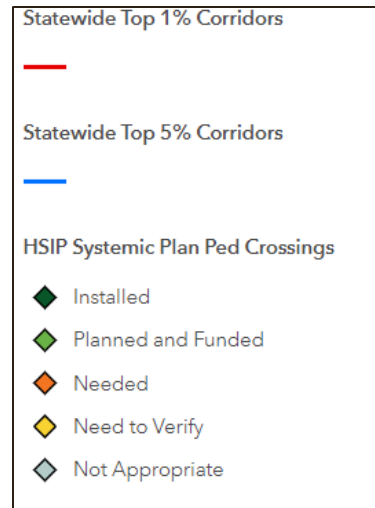
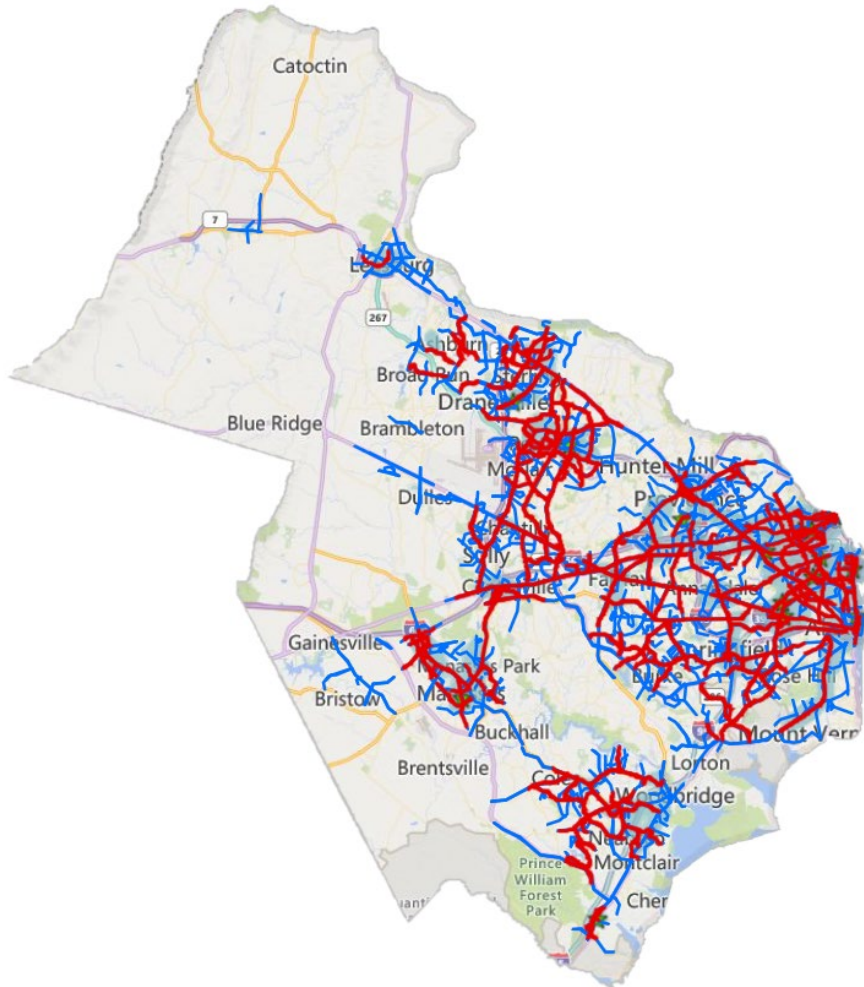
Edgeline Rumble Strips



Up to 50% crash reduction

PSAP Top Priority Corridors NOVA

HSIP Signalized Pedestrian Crossing Systemic Plan NOVA



Other Initiatives

- Annual Repaving Program
- Planning and Studies
- Education
- Partnerships with regional and local agencies
- Innovation
- More: bit.ly/3p1Sw4J





Virginia Department of Transportation