

VISION ZERO

ARLINGTON COUNTY

Program Overview & Update

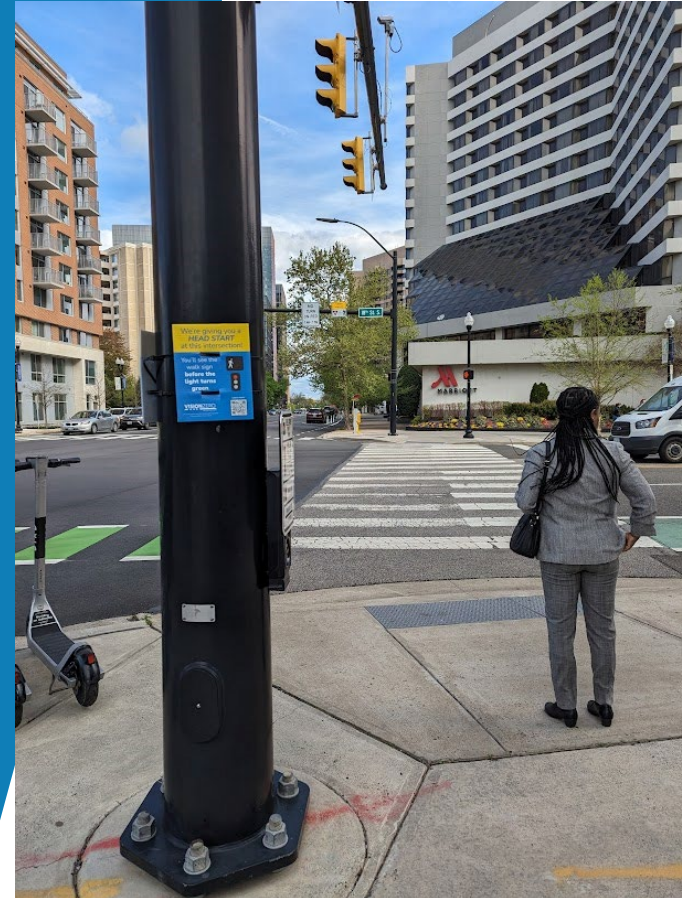
Department of Environmental Services
Transportation Engineering & Operations

May 2024 – Presentation to the Crystal City Civic Association



Agenda

- What is Vision Zero?
- Arlington's Vision Zero Action Plan
- Progress Tracking
- Upcoming Work
- Projects In/Near Your Neighborhood
- How can the community help?
- Q&A



What is Vision Zero?

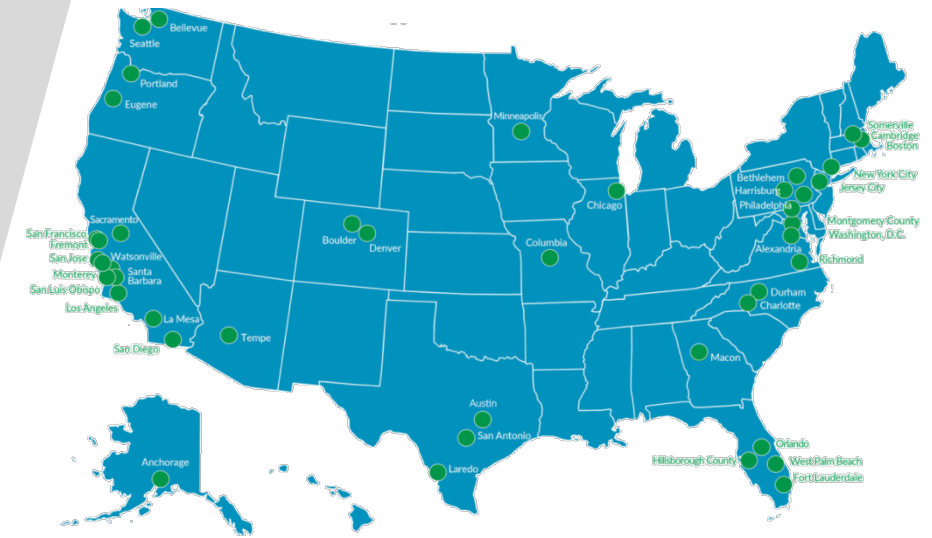
TRADITIONAL APPROACH	VISION ZERO
Traffic deaths are INEVITABLE	Traffic deaths are PREVENTABLE
PERFECT human behavior	Integrate HUMAN FAILING in approach
Prevent COLLISIONS	Prevent FATAL AND SEVERE CRASHES
INDIVIDUAL responsibility	SYSTEMS approach
Saving lives is EXPENSIVE	Saving lives is NOT EXPENSIVE

Vision Zero is:

"a strategy to eliminate all traffic fatalities and severe injuries, while increasing safe, healthy, equitable mobility for all."

- Vision Zero Network

visionzeronetwork.org/resources/vision-zero-cities/



- Focus on preventing serious and fatal crashes.
- See a safety issue in one place and fix everywhere like it (aka – safe systems approach).
- Triage safety issues so that we address our biggest problems first.
- Ensure equity in access to safe transportation.

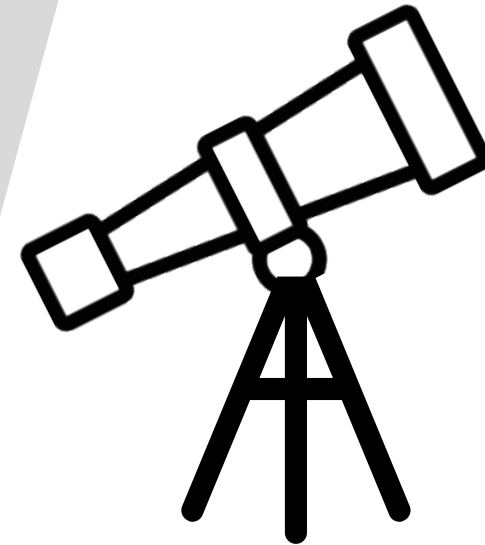
Arlington's Vision Zero Action Plan

In July 2019, the County Board adopted [a resolution](#) committing to Vision Zero and requesting that staff create a Vision Zero Action Plan.

In May 2021, the County Board adopted a Five-Year Action Plan to get us to 0 serious or fatal crashes by 2030. The Action Plan includes:

- An assessment of existing safety needs/areas
- Goals for a safer transportation system
- A list of action items to achieve each safety goal
- A plan for tracking and reporting our progress

2030



Arlington's Vision Zero Action Plan: Community-Identified Program Goals



Our Vision Zero Program Will Be...	Community Action Plan Goals	
	<p>Multimodal</p>	<p>Ensure safe transportation, no matter how you get around.</p>
	<p>Safety-First</p>	<p>Put safety first on County projects and policies - big or small.</p>
	<p>Transparent & Accountable</p>	<p>Be transparent, responsive, and accountable on Vision Zero progress and outcomes.</p>
	<p>Data-Driven</p>	<p>Apply timely data to take action on safety.</p>
	<p>Collaborative</p>	<p>Promote a culture of transportation safety for everyone.</p>
	<p>Equitable</p>	<p>Prioritize transportation safety investments equitably in the most vulnerable communities.</p>

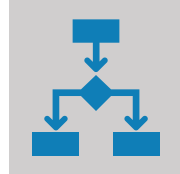


Arlington's Vision Zero Action Plan: 90+ Action Items



A. Data & Evaluation

1. Crash Data
2. Supporting Data
3. Annual Crash Analysis
4. Equity Analysis
5. Critical Crash Reviews
6. Program Reporting
7. Annual Safety Survey
8. Before/After Studies



B. Process & Organization

1. Master Planning
2. Plan/Project Review
3. Safety Project Prioritization
4. Safety Funding
5. Speed Management
6. Guidelines & Standards
7. Safety Toolbox
8. Data-Driven Enforcement
9. Facilities Maintenance
10. Construction



C. Engagement

1. Safety Engagement
2. Accessible Feedback Channels
3. Program Communications
4. Community Knowledge Building



D. Partnerships

1. Interdepartmental Collaboration
2. Virginia Department of Transportation
3. Regional Agency Coordination
4. Legislative Advocacy
5. Stakeholders
6. Service Providers

Arlington's Vision Zero Action Plan: Initiatives

Responsive

Critical Crash Follow Up

Collaborate with an interdepartmental team to identify immediate action to address severe & fatal crash locations (and identify next steps to address similar locations to prevent crashes).

Hot Spot Program

Identify crash hot spots using crash & near miss data and implement safety improvements through quick-build projects.

High-Injury Network Audits

Conduct walking assessments of HIN corridors to identify quick fix/build improvements and ensure future planning efforts consider large scale corridor needs.

Community Report-A-Problem

Respond to safety concerns reported by community members – typically involves an investigation, data collection, and implementation of recommendations.

Proactive

Systemic Improvements

Identify a safety issue in one location, we actively identify and improve other similar locations to prevent crashes.

Equity Analysis

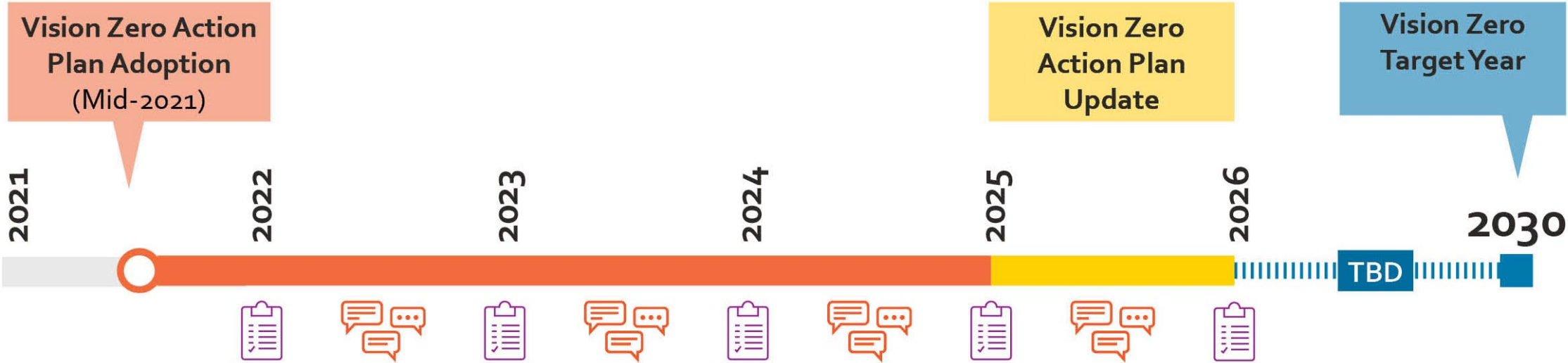
Perform an analysis of transportation safety issues countywide to identify and address areas or people disproportionately affected by crashes.

Community Education

Promote Vision Zero and transportation safety messaging through targeted advertisements and education materials throughout the community.

[View the Vision Zero Multimodal Safety Engineering Toolbox to learn about safety treatments being deployed through these initiatives.](#)

Arlington's Vision Zero Action Plan: Implementation Timeline



We will implement action items, review outcomes, and identify next steps in an iterative and collaborative process.

Actions may evolve or change over time. To see which actions we're taking and when, view the **Vision Zero Action Plan** at transportation.arlingtonva.us/vision-zero.

Key



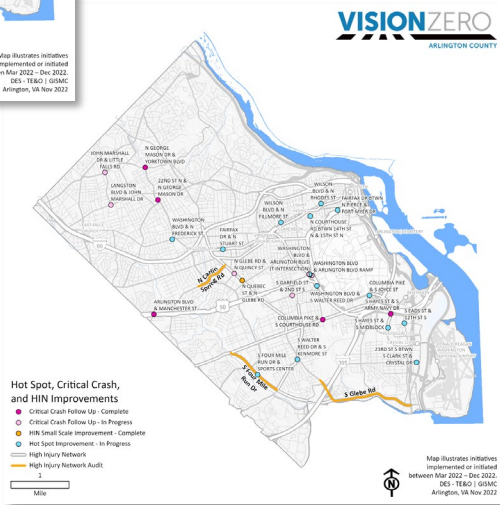
Annual Report & Public Meeting



Mid-year Check-in with External Stakeholders Group

Progress Tracking

For Vision Zero progress updates, visit the [Vision Zero News & Updates page](#).



Conducted **6** High Injury Network (HIN) **safety audits**

Reviewed **70** **critical crashes**

Completed **before/after** analysis for **12** crash hot spots



Completed review of **69** new and existing **hot spot** locations

Updated the **HIN**



Published and began implementation of the **Transportation Safety Equity Analysis**



Hosted **Annual Safety Feedback Activities** that had over **1,450** engagements



Responded to **5,900+** **public requests for safety issues** from the request for service tool

Hosted **100+** **safety-related classes/ events** with **5,000+** attendees



Relaunched the **critical crash mitigation campaign** with a new on-street component and **165,000+** views on digital content

Constructed **17** **quick-build safety projects**

Completed **4** new **safety-driven capital projects**

Installed **14** **slow zones / school zone retrofits** and planned **19** more

Launched a tactical **speed hump pilot project** on **3** school zone corridors

Developed a Vision Zero staff **training video**

Collaborated with **VDOT** on **15** safety initiatives

Conducted **475** **child safety seat checks**

Sold **2,300** **iRide cards** for students to take public transit to/from school

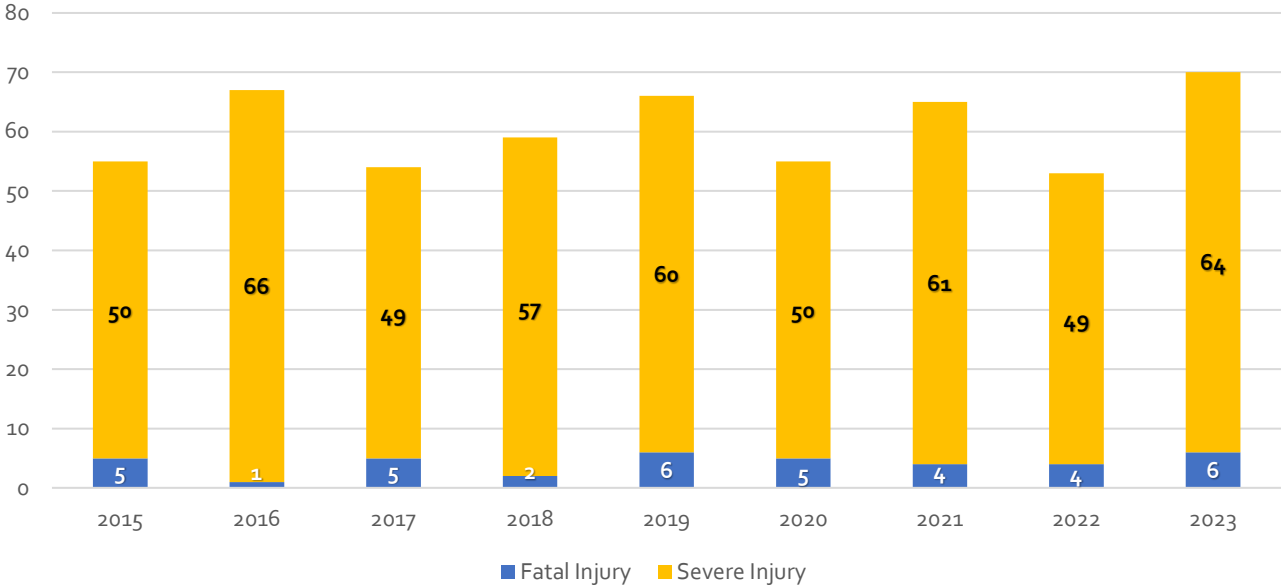
Added **53** **micro-mobility corrals**

Added options to **report scooter/ebike concerns, as well as construction-related concerns, to Report a Problem**



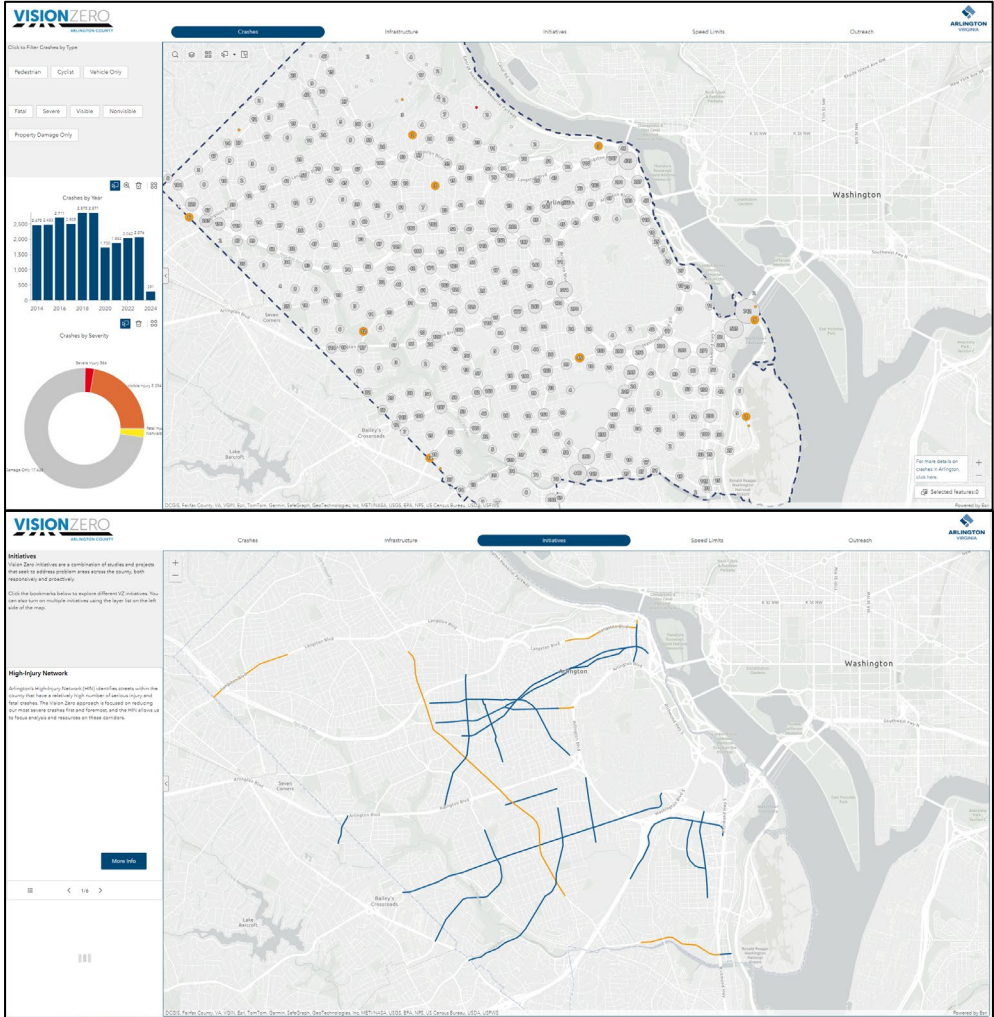
Progress Tracking: Vision Zero Dashboard

Total Severe and Fatal Crashes by Year



Year-end numbers show 6 fatal crashes and 64 severe crashes occurred in Arlington in 2023.

[Visit our NEW Vision Zero Program Dashboard](#)

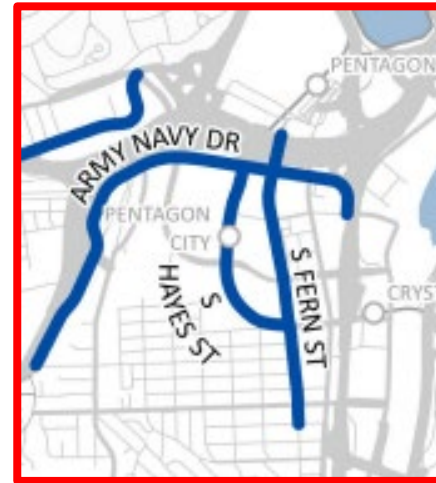
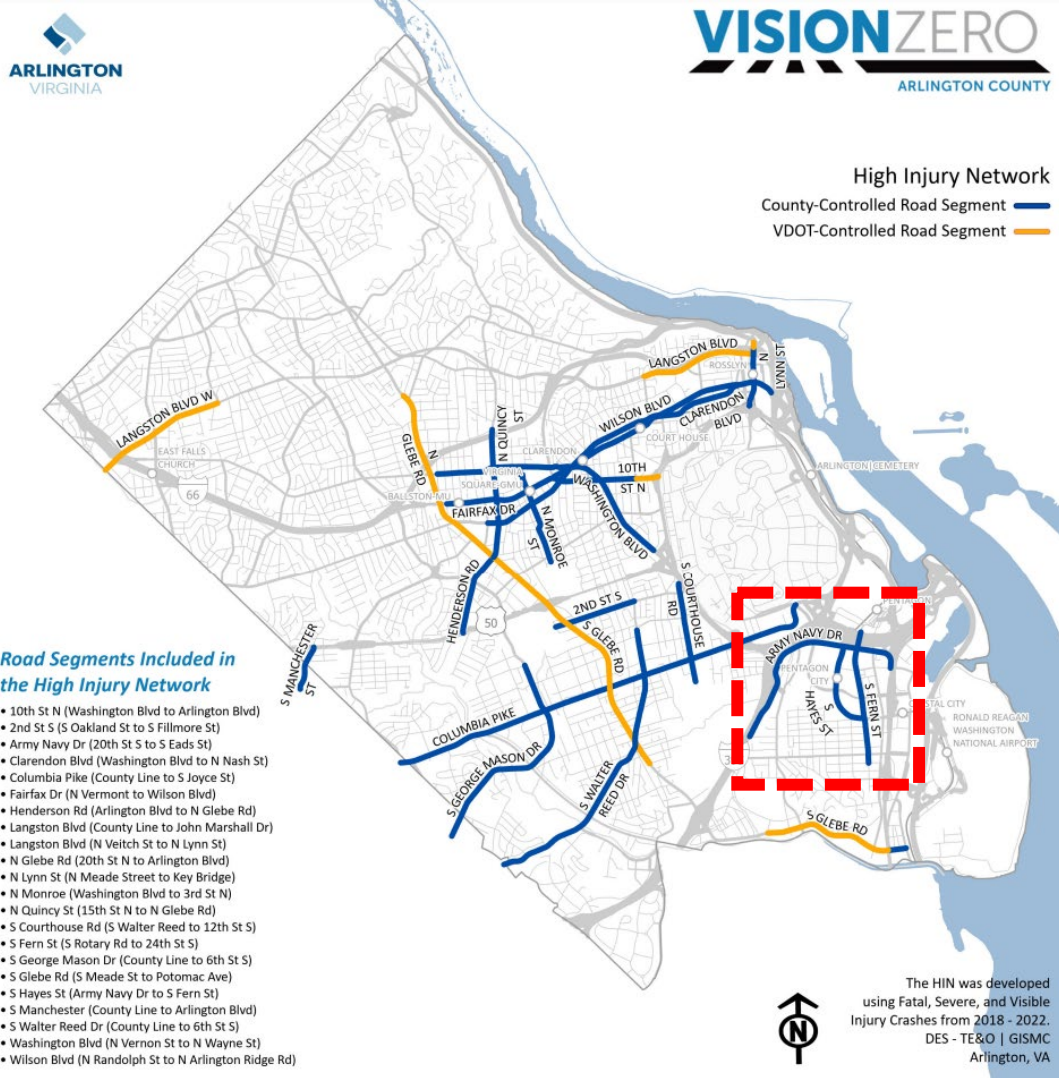


Ongoing/Upcoming Initiatives

- Review of hot spot locations
- High-Injury Network safety audits
- Quick build projects
- Safety-driven capital projects
- Speed studies on all roads with speed limits 30mph+
- School slow zones/school zone retrofits
- Safety pilot projects
- Red light cameras
- Preparation to implement speed cameras
- Community engagement and education campaigns
- Response to safety issues submitted via Report-A-Problem



Vision Zero Work In/Near Your Civic Association



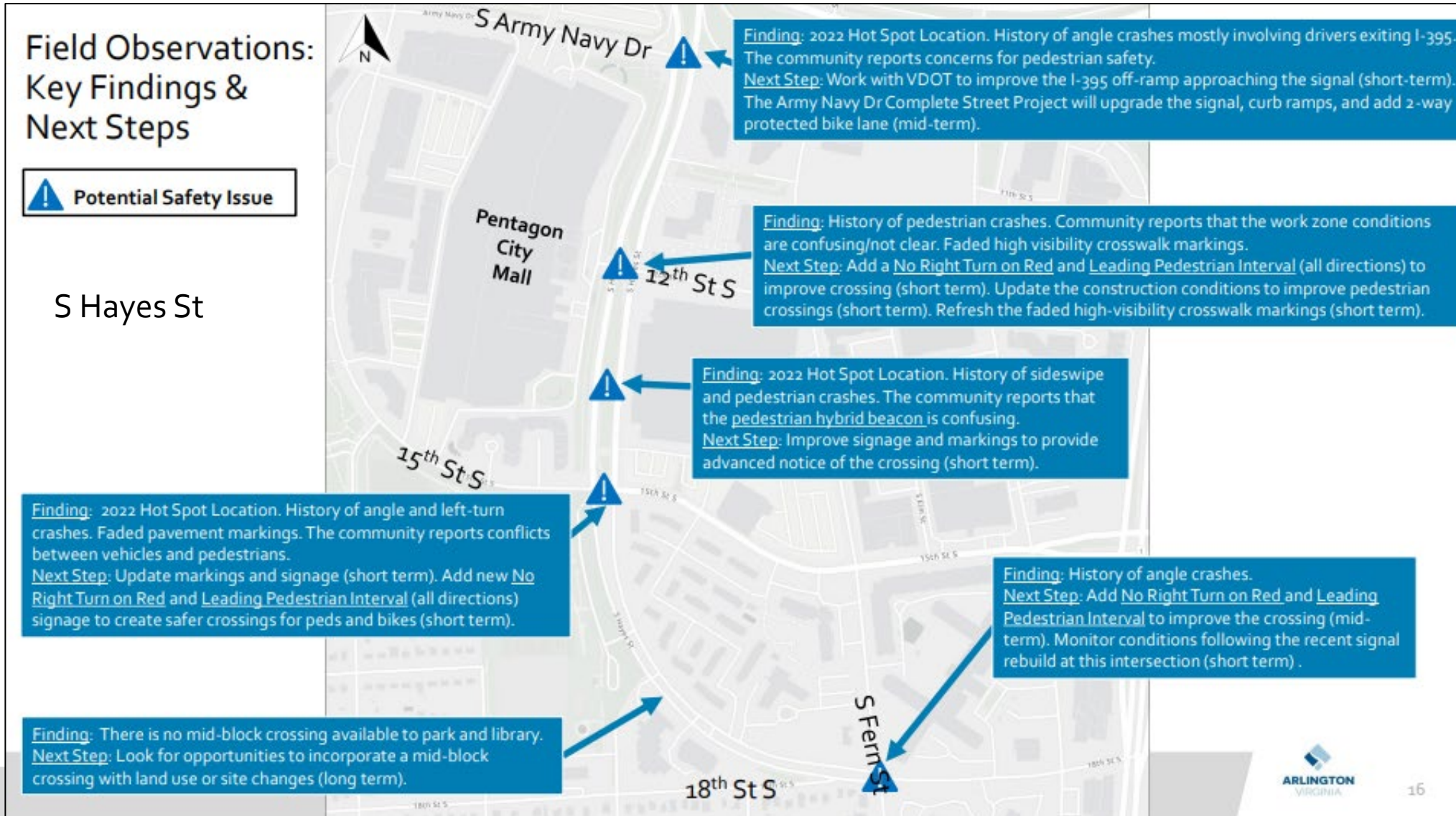
High-Injury Network Safety Audits

- S Fern St High-Injury Network Safety Audit – November 2023
- S Hayes St High-Injury Network Safety Audit – November 2023
- Army Navy Dr High-Injury Network Safety Audit – *Coming 2025*

2023	2024	2025
N Lynn St	Columbia Pike	Army Navy Dr
Washington Blvd	Wilson Blvd	Langston Blvd (west)
S George Mason Dr	S Walter Reed Dr (south)	Clarendon Blvd
S Hayes St	Henderson Rd	N Quincy St
S Fern St	S Courthouse Rd	2 nd St S
Langston Blvd (east)	N Monroe St	S Manchester St

VISION ZERO Tentative High Injury Network Safety Audit Schedule
ARLINGTON COUNTY

Vision Zero Work In/Near Your Civic Association



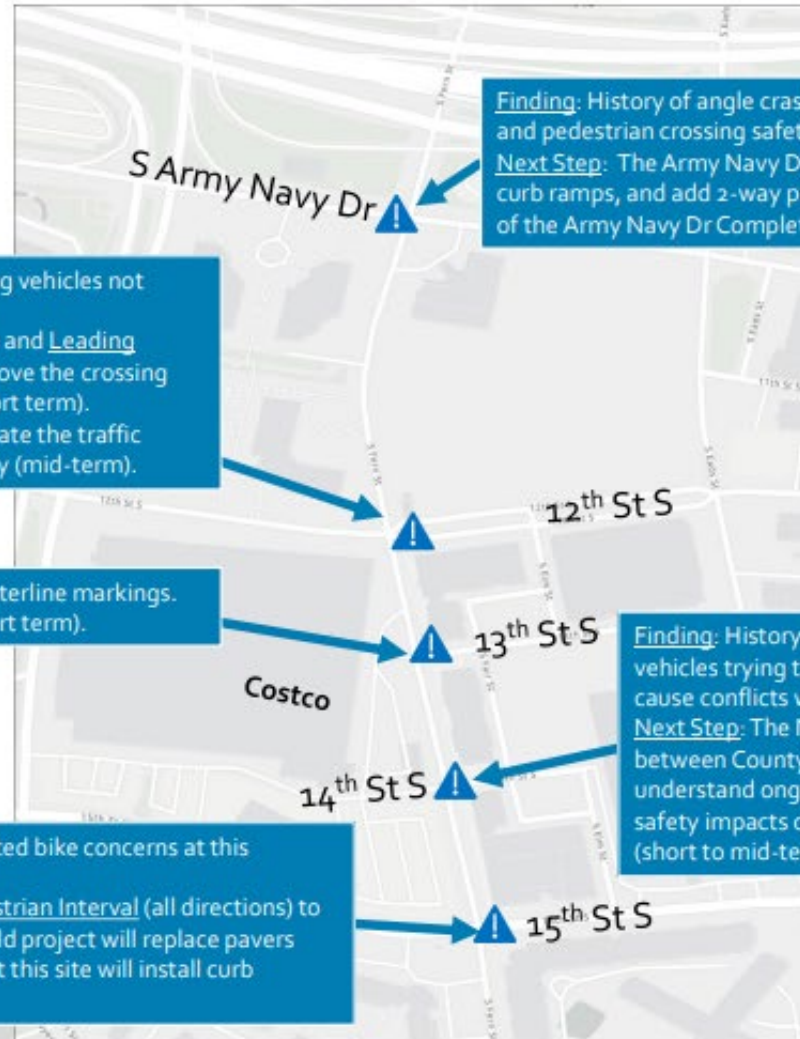
Vision Zero Work In/Near Your Civic Association

Field Observations: Key Findings & Next Steps

 Potential Safety Issue

S Fern St

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ARLINGTON COUNTY



Finding: History of angle crashes. The community reports unsafe driver behaviors and pedestrian crossing safety concerns at this intersection.
Next Step: The Army Navy Dr Complete Street Project will upgrade the signal, curb ramps, and add 2-way protected bike lane. The anticipated completion date of the Army Navy Dr Complete Street Project is expected in 2025 (mid-term).

Finding: Community reports of left-turning vehicles not yielding to pedestrians. Faded markings.
Next Step: Add No Right Turn on Red sign and Leading Pedestrian Interval (all directions) to improve the crossing (short term). Refresh faded markings (short term). The Transitway Extension project will update the traffic signal and infrastructure to improve safety (mid-term).

Finding: Faded crosswalk and centerline markings.
Next Step: Refresh markings (short term).

Finding: History of pedestrian crashes. Long queuing lines of vehicles trying to enter Costco cause erratic driver patterns and cause conflicts with pedestrians attempting to cross at 14th St S.
Next Step: The National Landing BID coordinated a meeting between County staff and Costco site property managers to understand ongoing issues and identify solutions to reduce the safety impacts of queuing. Staff will assess possible changes (short to mid-term). Add in-street pedestrian signage (short term).

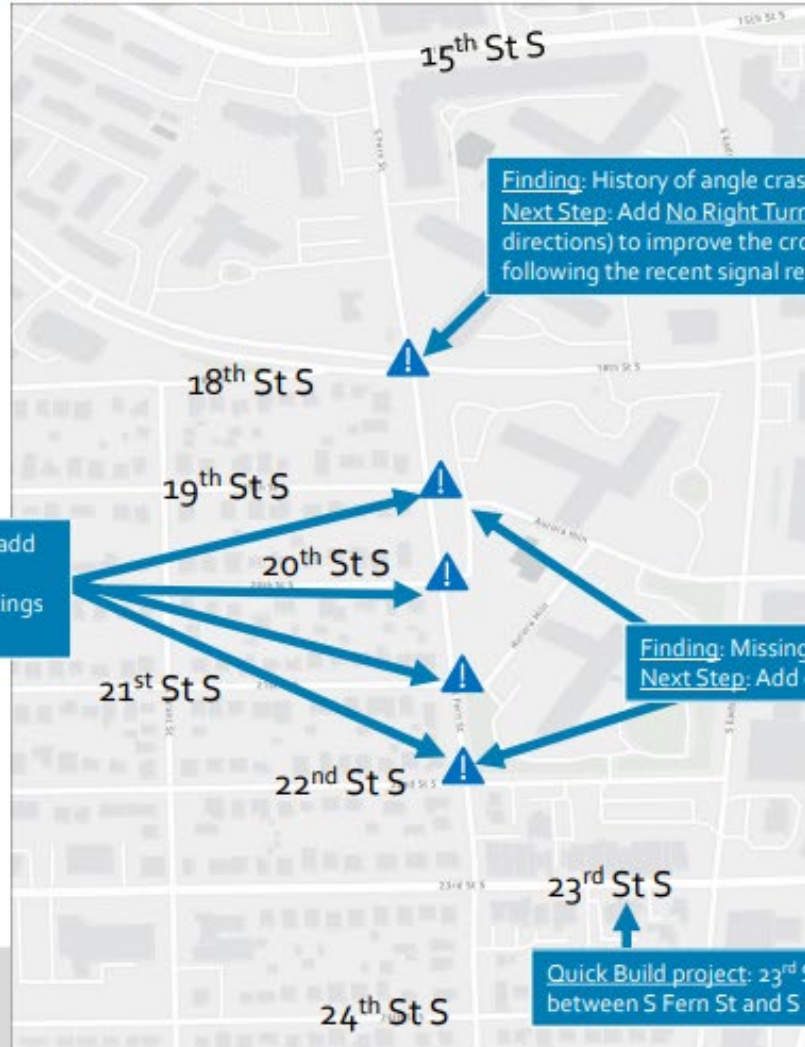
Finding: History of angle crashes. The community reported bike concerns at this intersection.
Next Step: Add No Right Turn on Red and Leading Pedestrian Interval (all directions) to improve the crossing (short term). A signal update rebuild project will replace pavers with high visibility markings, and a Quick Build project at this site will install curb extensions (short term).

Vision Zero Work In/Near Your Civic Association

Field Observations: Key Findings & Next Steps

 Potential Safety Issue

S Fern St



Finding: History of angle crashes.
Next Step: Add No Right Turn on Red and Leading Pedestrian Interval (all directions) to improve the crossing (short term). Monitor conditions following the recent signal rebuild at this intersection (short term).

Finding: Typical practice for HIN corridors to add high visibility crosswalk markings.
Next Step: Add high visibility crosswalk markings on the side street crossings (short term).

Finding: Missing pedestrian crossing signage.
Next Step: Add crossing signs with arrows (short term).

Quick Build project: 23rd St S mid-block crossing between S Fern St and S Eads St (short term).



Vision Zero Work In/Near Your Civic Association

- Hot Spots Monitoring – Ongoing
 - Army Navy Dr & S Hayes St
 - Currently collaborating with VDOT on options to improve safety at the ramp as vehicles exit I-395 and at the intersection
 - Army Navy Dr Complete Street project will construct a two-way protected bike lane cycle track along the southside of Army Navy Dr from S Joyce St to 12th St S
 - 15th St S & S Eads St
 - The intersection was recently rebuilt last year.
 - Improvements included new signal upgrades, bike lanes, and curb extensions.
 - LPI and NTOR
 - Route 1 & 23rd St S
 - Hot spot investigation forthcoming
 - Route 1 Multimodal Improvements Study being led by VDOT

Vision Zero Work In/Near Your Civic Association

- Quick-Build Projects
 - 26th St S & S Ives St – Completed January 2023
 - 15th St S & S Fern St – *In Progress*
 - 23rd St Midblock (between S Fern St and S Eads St) – *Upcoming 2024*
 - 15th St S – S Joyce St to S Hayes St – *Upcoming 2025*

Vision Zero Work In/Near Your Civic Association

Recent school zone updates:

- Oakridge Elementary School (2023)
- Gunston Middle School (2022)
 - Added Tactical Speed Humps

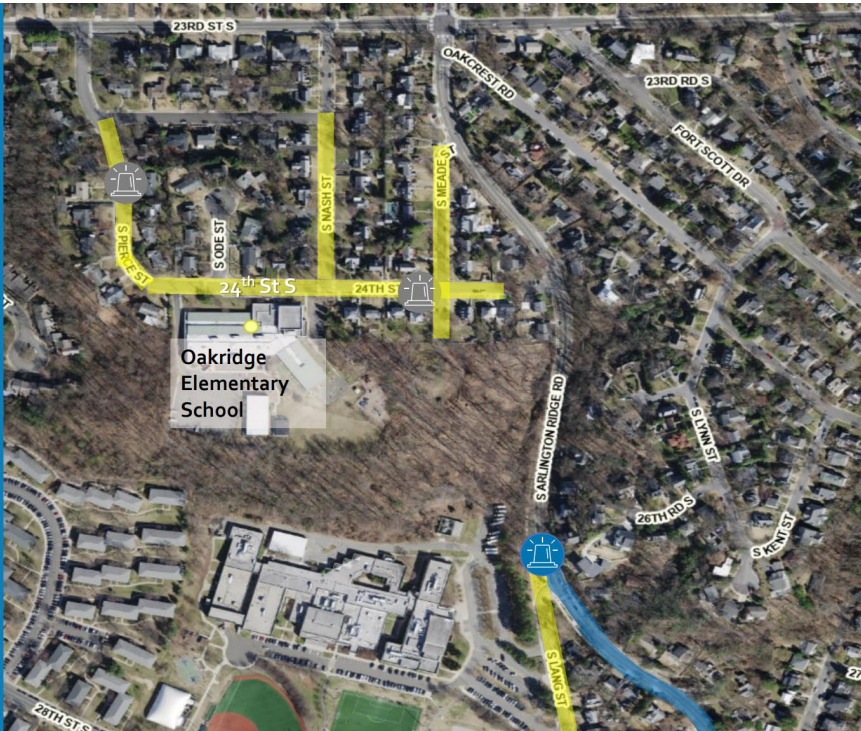
Oakridge Elementary School

Beaconed School Zone

- S Arlington Ridge Rd (part of Gunston school zone but covers the crossing at S Lang St used to access Oakridge)

Static School Slow Zone

- 24th St S, S Pierce St to S Arlington Ridge Rd (existing beacons to be removed)
- S Pierce St, 23rd Rd S to 24th St S (existing beacons to be removed)
- S Nash St, 23rd Rd S to 24th St S
- S Meade St, 24th St S to S Arlington Ridge Rd
- S Lang St, 28th St S to S Arlington Ridge Rd
- S Arlington Ridge Rd, 28th St S to S Lang St



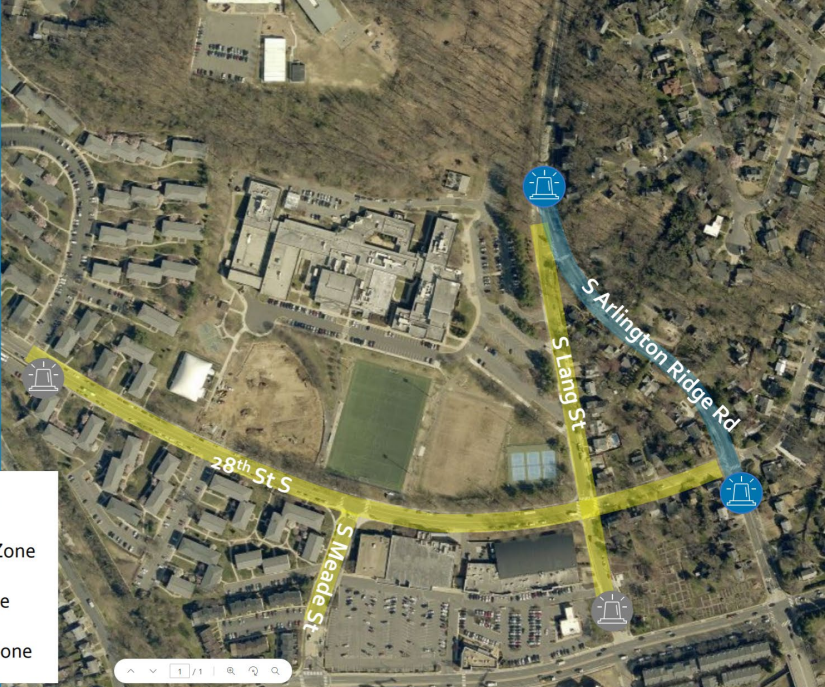
Gunston Middle School Slow Zone

Beacon School Zone

- S Arlington Ridge Rd, S Edison St to 28th St S

Static School Slow Zone

- S Lang St, from S Arlington Ridge Rd to S Glebe Rd
- 28th St S, from 28th St S to S Arlington Ridge Rd
- S Meade St, from 28th St S to S Glebe Rd



How can the community help?

Access the Request for Service Portal

Steps to report a problem:

1. Drag & drop the pin to where your safety issue is located
2. Select “Type of Issue” (either identify a specific maintenance issue or select “Transportation/Safety Investigation” if it doesn’t match a category)
3. List your concern(s) and add comments or photos
4. A team member will get back to you shortly

The screenshot shows the 'Request for Service' portal interface. At the top is a blue header with the text 'Request for Service'. Below this is a yellow box containing the text 'Sign in, or create an account to receive updates on your request.' and 'We will remember what you've entered here'. There are three tabs: 'Location', 'Details', and 'Contact Info', with 'Location' being the active tab. Below the tabs is a search bar labeled 'Issue Location' with the placeholder text 'Enter the complete address of the issue'. Below the search bar are two options: 'Use My Current Location' and 'Or drag and drop on the map'. Below these options is a map showing the area around Arlington and Washington, with labels for 'Arlington', 'Washington', and 'Arlington Village'. The map is powered by Esri. At the bottom of the form is a blue button labeled 'Next'.

How can the community help?

Transportation Safety Enforcement Request

- This form should only be used to inform the Special Operations Section of ongoing parking and traffic complaints in Arlington County.
- For in-progress violations and hazards, call the Emergency Communications Center at 703-558-2222 so an officer or parking service aide can be dispatched to investigate.

Complaint Location

Civic Association of Complaint

Street Address Required

Address Line 2

Additional Location Details
If necessary, provide additional location details regarding the location of this complaint. For example, cross streets (14th Street at North Courthouse Road), directional information (the northwest corner of the intersection), or a notable landmark. This will assist staff when investigating this complaint.

Complaint Information

Complaint Type Required
Select the type of complaint or violation you wish to report from the drop down menu.

Explanation of Complaint Required
Describe the complaint or enforcement request you are reporting. For example, "Cars are making an illegal left turn at the intersection of Sycamore Street and N. Quantico Street."

Maximum 200 characters (200 remaining)

File Upload

Upload any photos or additional information that may assist staff in evaluating your complaint or request for enforcement.

Max file size: 100 MB
Max number of files: 10 files
Accepted file types: .pdf, .doc, .docx, .xls, .xlsx, .jpg, .png, .ppt, .pptx

THANK YOU!

Staff contacts:

- Laura Castro, Vision Zero Principal Planner - lcastro@arlingtonva.us
- Christine Baker, AICP, Vision Zero Program Manager - csbaker@arlingtonva.us
- Nate Graham, Public Engagement Specialist - nsgraham@arlingtonva.us

