Roadway Safety Action Plan

Planning Commission Regular Meeting

March 23, 2026

TOWN OF Herndon

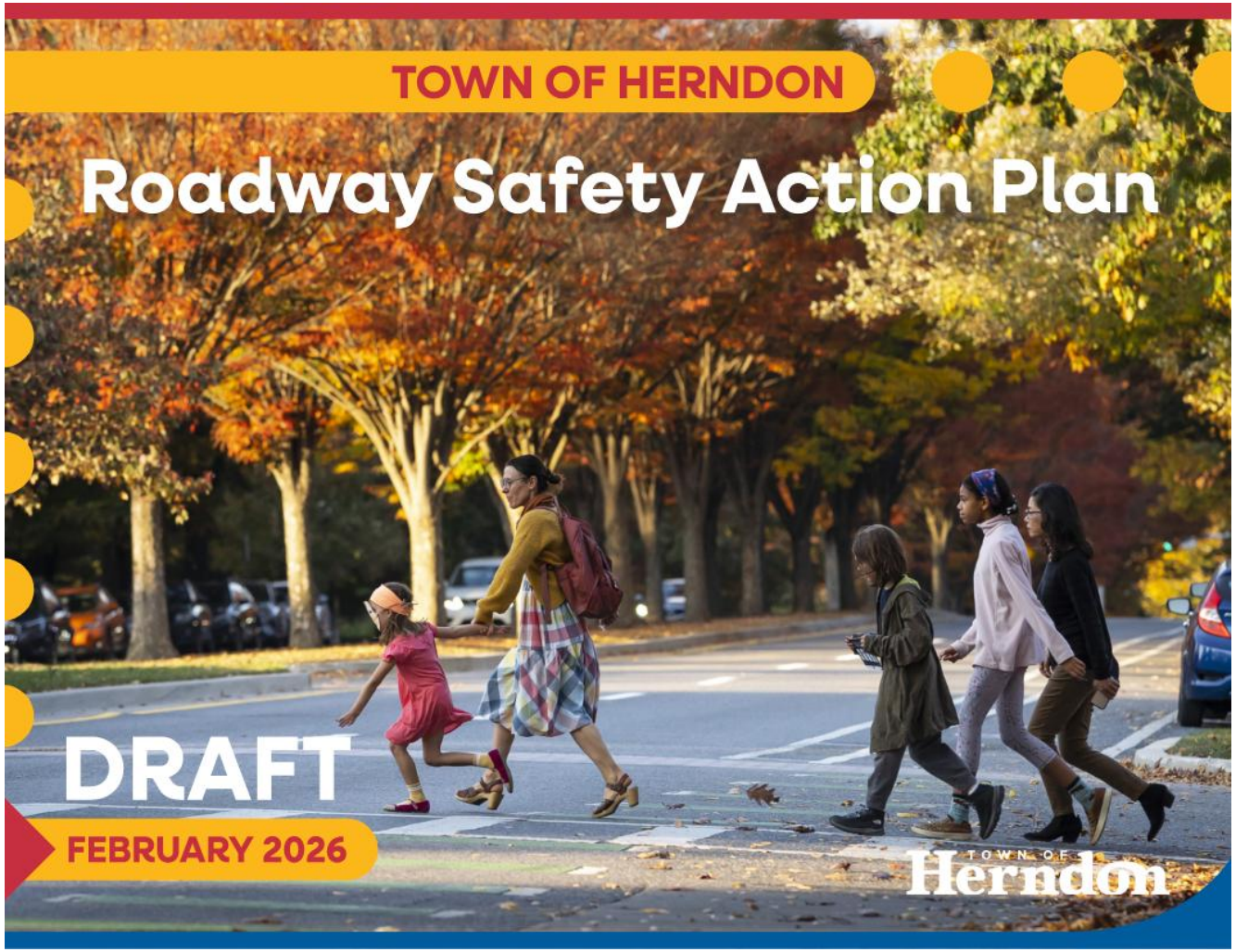
LIVE DIFFERENTLY.

Mike Shindledecker

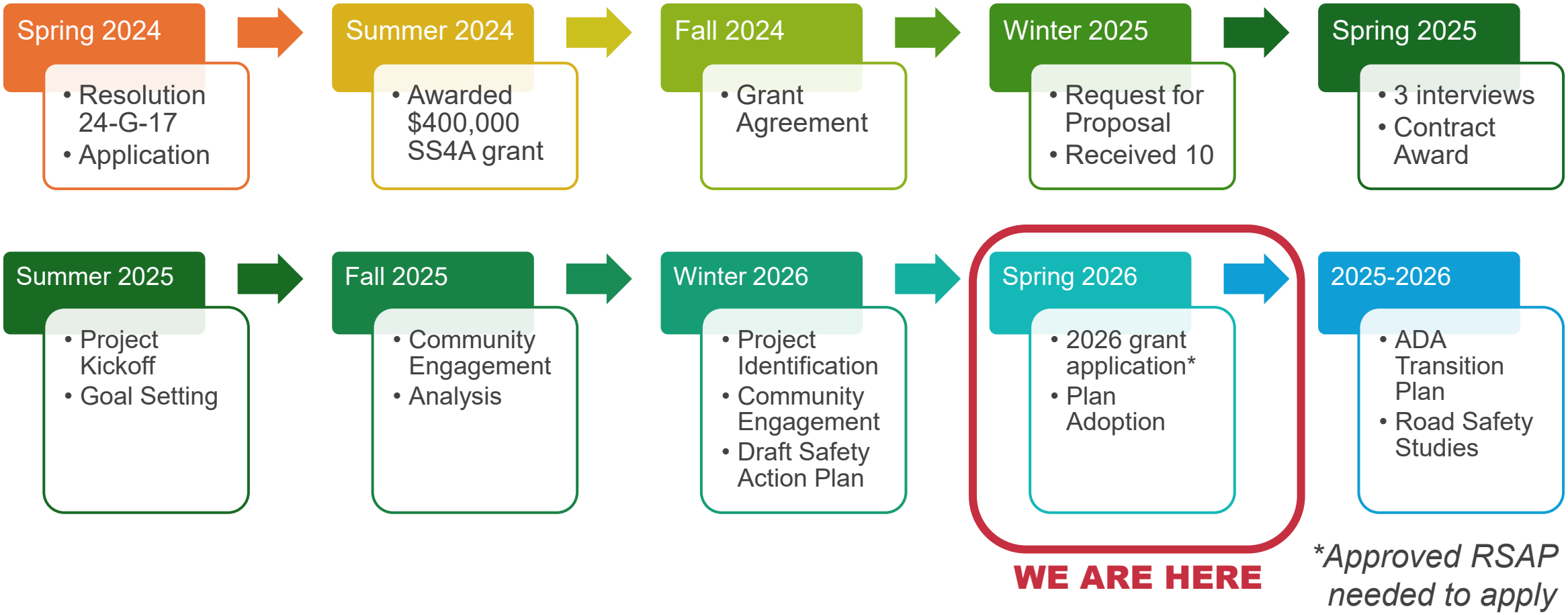
Transportation Engineer

Agenda

- Round Two Engagement
- Summary of Feedback and Edits
- Resolution to Recommend adoption



Timeline


Spring 2024
• Resolution 24-G-17
• Application
Summer 2024
• Awarded $400,000 SS4A grant
Fall 2024
• Grant Agreement
Winter 2025
• Request for Proposal
• Received 10
Spring 2025
• 3 interviews
• Contract Award
Summer 2025
• Project Kickoff
• Goal Setting
Fall 2025
• Community Engagement
• Analysis
Winter 2026
• Project Identification
• Community Engagement
• Draft Safety Action Plan
Spring 2026
• 2026 grant application*
• Plan Adoption
2025-2026
• ADA Transition Plan
• Road Safety Studies
WE ARE HERE
*Approved RSAP needed to apply

Public Engagement Round Two Summary



Conducted three **listening sessions** with residents and inter-government representatives



Collected written comments through an online **Feedback Form**



Gathered feedback from Town Council, Planning Commission, and the Pedestrian & Bicycle Advisory Committee



Revised the draft plan to address collective feedback

Summary of Feedback and Edits

Feedback

- Too much jargon, missing details, and unclear graphics
- Desire to accelerate certain countermeasures and strategies
- Suggestions for alternative communication pathways
- Concerns for new mobility devices such as scooters and e-bikes
- Clarifications and concerns related to specific locations in the HIN*
- Concern for pedestrians crossing outside crosswalks

Edits

- Improve language clarity by removing acronyms and jargon
- Enhance graphics
- Adjust objectives and strategies to better align with residents' goals
- Add and/or adjust countermeasures and/or issues for HIN* locations.

HIN = High Injury Network

Resolution to Recommend Adoption of the Town of Herndon Roadway Safety Action Plan

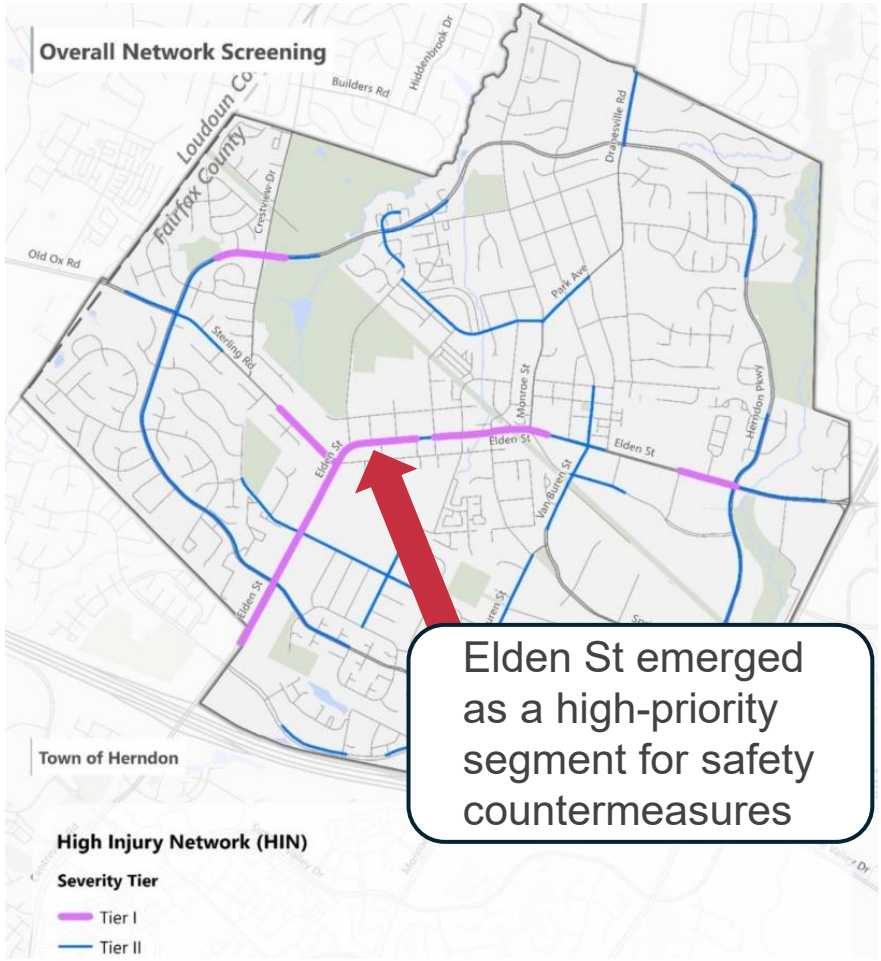
Staff recommends that the Planning Commission recommend adoption of the resolution:

The Planning Commission recommends the Town of Herndon Roadway Safety Action Plan to the Town Council of the Town of Herndon for further consideration and adoption.

Back of Tray

Shaping the Plan

Data Analysis



VDOT crash data (2019-2023) analysis considered crash frequency, severity, and mode

Public Engagement Round One

Flyers Distributed
451

Mapped Comments
554

Microsoft Feedback Forms
251

Engagements During Pop-Ups
English: ~600
Spanish: 170

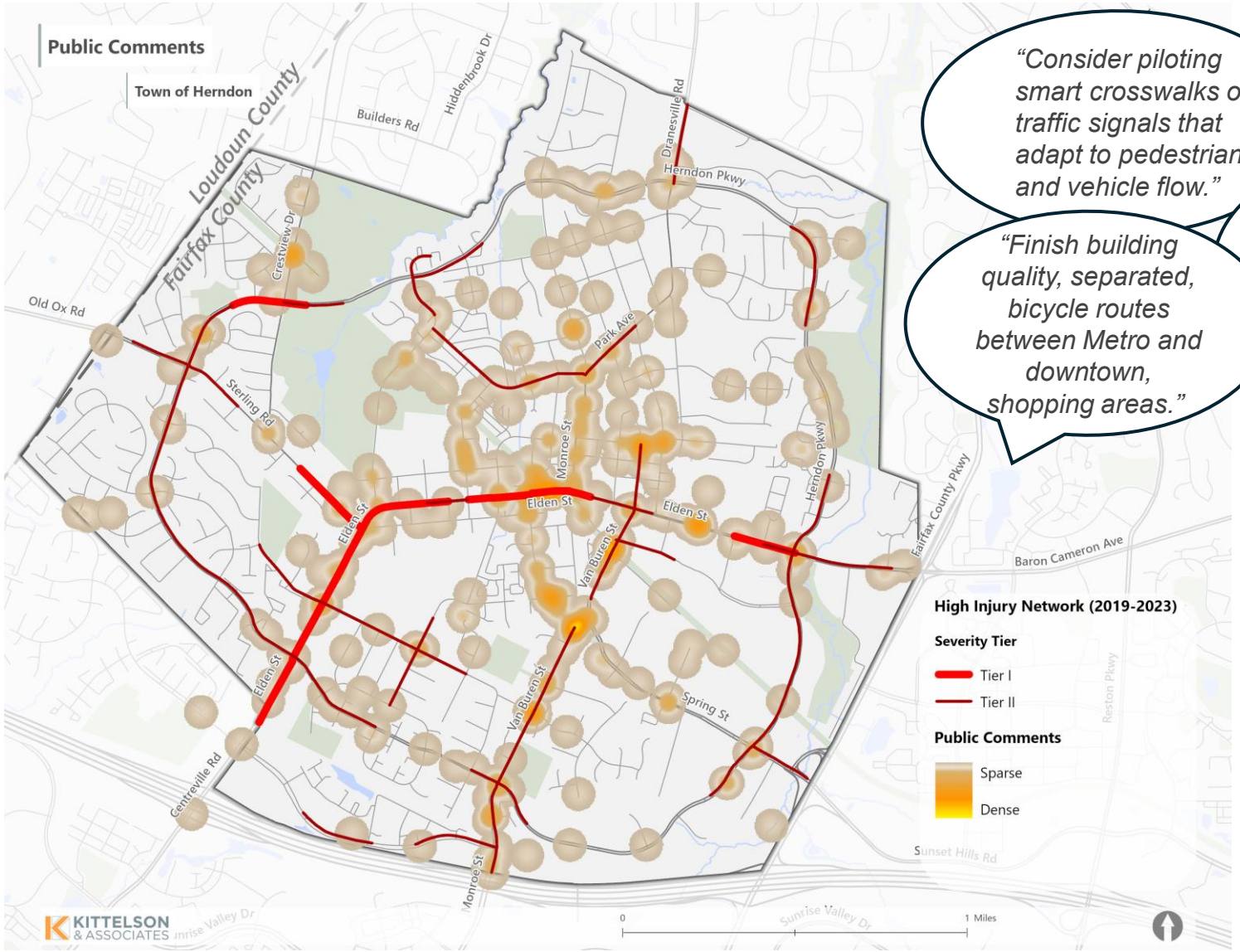
Pop-Up Events
8

Paid Social Media Impressions
28,676 Views

Paid Social Media Clicks
585 Clicks

Paid Social Media Reach
19,686 Users

How the Public Shaped our Plan



"Consider piloting smart crosswalks or traffic signals that adapt to pedestrian and vehicle flow."

"Better lighting for sidewalk and paths would be huge!"

"Finish building quality, separated, bicycle routes between Metro and downtown, shopping areas."

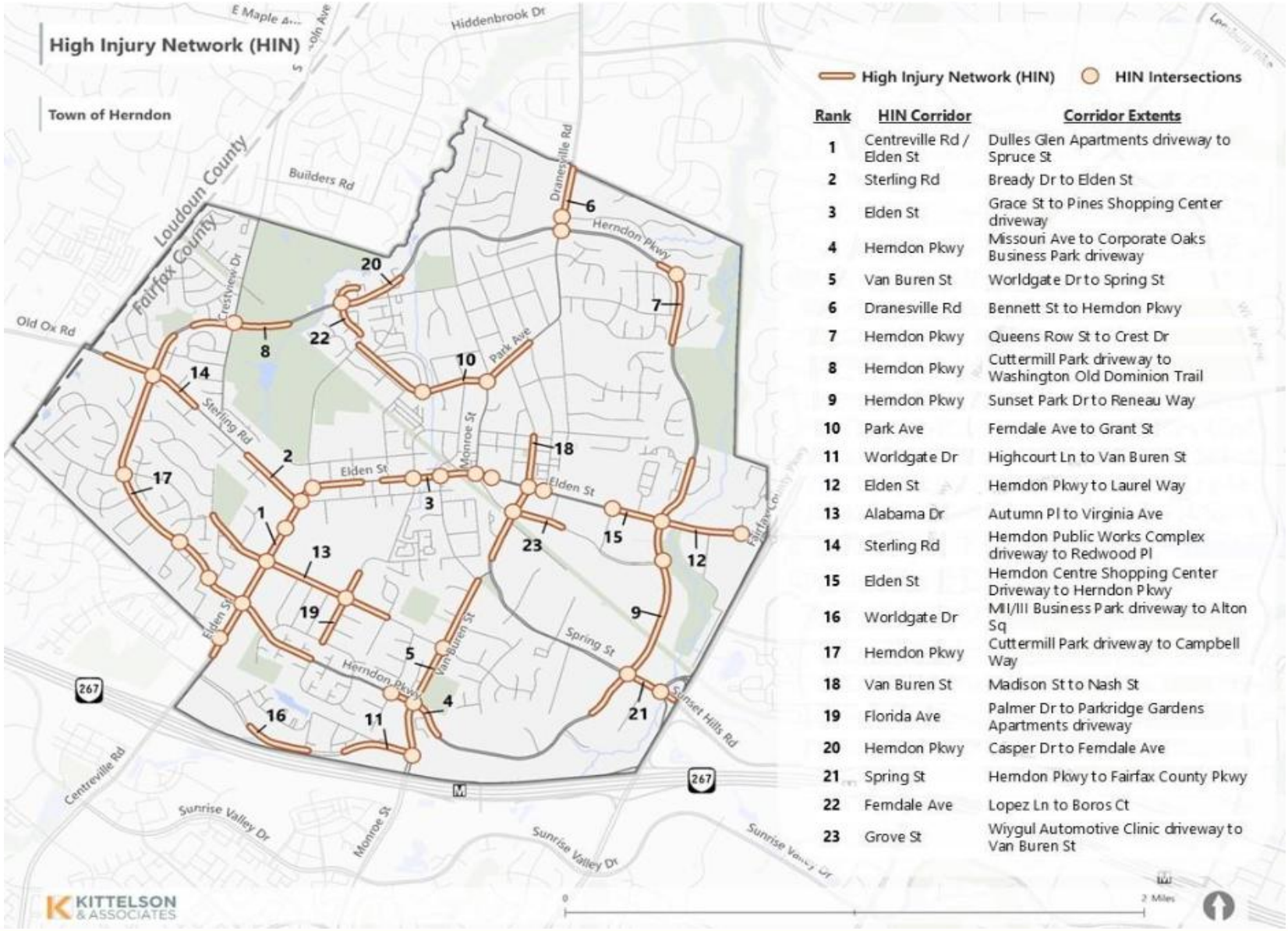


Engagement shaped…

- Engineering countermeasure development
- Verification of data analysis results
- Prioritization of infrastructure projects

Creating Strategies: Infrastructure Locations

- Community Needs (30%)
- Data (45%)
- Feasibility (25%)



Rank	HIN Corridor	Corridor Extents
1	Centreville Rd / Elden St	Dulles Glen Apartments driveway to Spruce St
2	Sterling Rd	Bready Dr to Elden St
3	Elden St	Grace St to Pines Shopping Center driveway
4	Herndon Pkwy	Missouri Ave to Corporate Oaks Business Park driveway
5	Van Buren St	Worldgate Dr to Spring St
6	Dranesville Rd	Bennett St to Herndon Pkwy
7	Herndon Pkwy	Queens Row St to Crest Dr
8	Herndon Pkwy	Cuttermill Park driveway to Washington Old Dominion Trail
9	Herndon Pkwy	Sunset Park Dr to Reneau Way
10	Park Ave	Ferndale Ave to Grant St
11	Worldgate Dr	Highcourt Ln to Van Buren St
12	Elden St	Herndon Pkwy to Laurel Way
13	Alabama Dr	Autumn Pl to Virginia Ave
14	Sterling Rd	Herndon Public Works Complex driveway to Redwood Pl
15	Elden St	Herndon Centre Shopping Center Driveway to Herndon Pkwy
16	Worldgate Dr	MII/III Business Park driveway to Alton Sq
17	Herndon Pkwy	Cuttermill Park driveway to Campbell Way
18	Van Buren St	Madison St to Nash St
19	Florida Ave	Palmer Dr to Parkridge Gardens Apartments driveway
20	Herndon Pkwy	Casper Dr to Ferndale Ave
21	Spring St	Herndon Pkwy to Fairfax County Pkwy
22	Ferndale Ave	Lopez Ln to Boros Ct
23	Grove St	Wiygul Automotive Clinic driveway to Van Buren St

Potential Engineering Countermeasures



Pedestrian/bicycle focused

1. Install crosswalk lighting
2. Implement leading pedestrian interval
3. Install bike lanes
4. Add sidewalk/shared use path
5. Install high-visibility crosswalk
6. Install median island for crossings
7. Curb extensions/corner bulb-outs
8. Install pedestrian signal heads with countdowns
9. Install PHB/HAWK signals or RRFBs
10. Raised pedestrian crossings
11. Daylighting (remove parking near intersection)
12. Remove slip lanes to reduce turning speeds



Intersection focused

1. Left-turn phasing changes/prohibitions
2. Implement right turn on red restrictions
3. Roundabout
4. Neighborhood traffic circles
5. Improve retroreflective backplates & signal heads
6. Install intersection lighting
7. Reduce cycle length
8. Convert signal structure to mast arm mounted
9. Install short all-red clearance interval
10. Install red-light camera
11. High-friction surface treatment on approach
12. Reduce intersection skew
13. Add turn lanes
14. Enhanced signage and pavement markings at stop-controlled intersections
15. Convert minor stop-control to all-stop control



Segment focused

1. Road diet/two-way left turn
2. Reduce density of driveways
3. Dynamic feedback signs
4. Add segment lighting
5. Prohibit on-street parking
6. Pavement resurfacing
7. Chevron signs for curves
8. High-friction surface treatment on curves

Creating Strategies: Non-Engineering Countermeasures



Collect Non-Reportable Crashes
Include bike/ped crashes and crashes with lower property damage



Educational Outreach - Seasonal
Reinforce a culture of safety, utilize local resources



Traffic Gardens
Scaled-down traffic features to teach children about safety



Evaluate Recently Completed Projects
Determine project effectiveness on achieving goals



Educational Materials – New Residents
Flyers with water utility sign-up and billing



Automated Traffic Enforcement
Enforce speed limits and red light running



Analysis Methods for Complete Streets
Align with nationwide best practices



WRAP Coordination
Prevent drunk driving with the Washington Regional Alcohol Program resources and programs



Reassess Baseline Speed Limit
Improve outcomes for pedestrians and cyclists while increasing reaction time for motorists

RSAP Objectives and Strategies

1 Implement Transportation Safety Improvements

- High Injury Network projects designed and implemented
- Signal evaluation
- Signing and pavement markings review
- Gateway or placemaking treatments



2 Strengthen Town Processes and Plans

- Non-reportable crash procedure
- Recently completed project evaluation
- ADA Transition Plan update
- Safer Complete Streets innovation and analysis



3 Incorporate Roadway Safety into Town Communications

- Educational outreach for seasonal roadway safety
- New resident materials
- Traffic gardens
- Coordination with WRAP on impaired driving



4 Implement New Measures Authorized by Law

- Automated traffic enforcement application
- Speed limit reduction



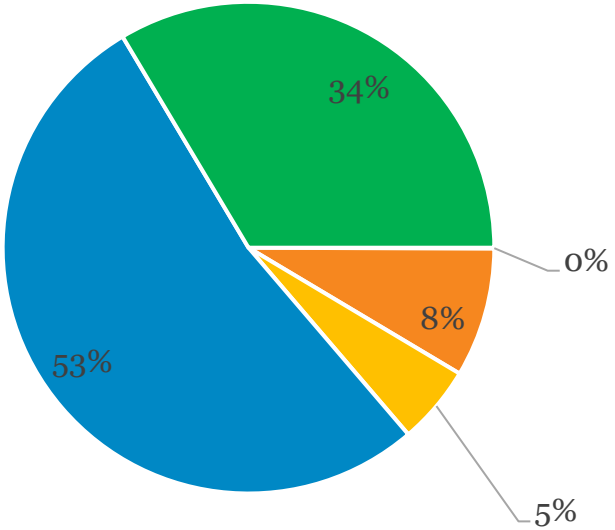
Benefits of the RSAP

- ✓ Opens up funding opportunities from multiple sources.
- ✓ Establishes a data-driven framework for prioritizing design & construction.
- ✓ Reflects through outreach and public engagement.
- ✓ Provides accountability in tracking and measuring success.
- ✓ Leverages a Safe System Approach to address the multiple contributing factors that lead to roadway deaths and serious injuries.
- ✓ Includes realistic yet challenging action steps to meet the primary goal within the 12-year time frame.
- ✓ Supports the ancillary goals of economic development, mode shift, and quality of life.

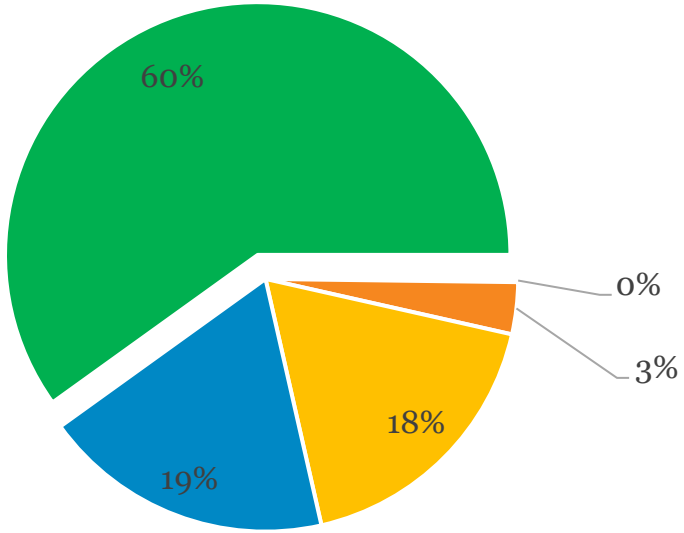


5-Year Severity Comparison 2018-2022

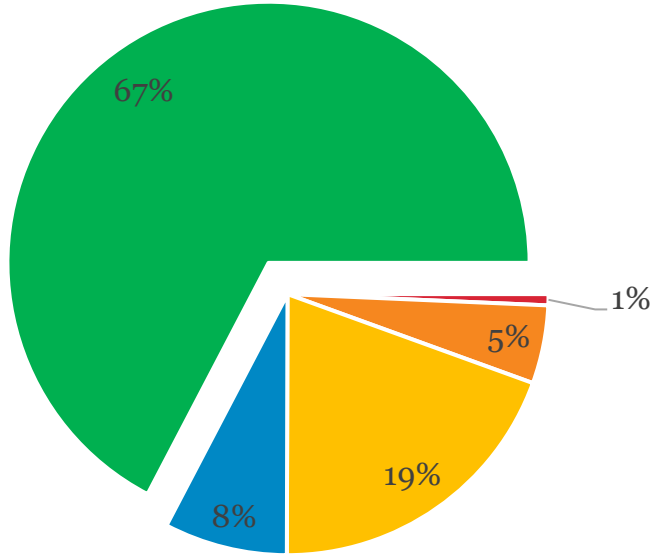
Town of Herndon



Towns & Small Cities



Commonwealth of Virginia



- Fatal
- Serious Injury
- Visible Injury
- Non-visible Injury
- Property Damage Only