

VISION ZERO

ARLINGTON COUNTY

Vision Zero Action Plan

Preparing for Board Action

Department of Environmental Services
Transportation Engineering & Operations

May 2021



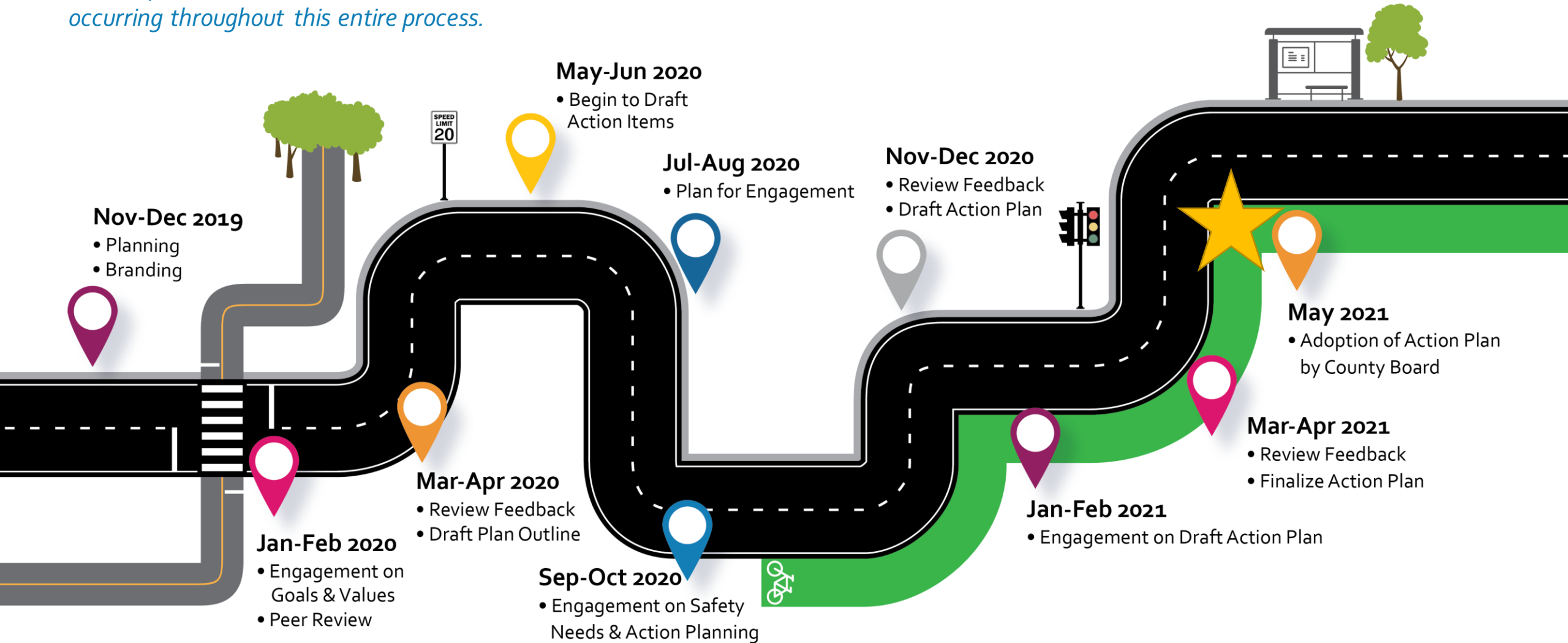
Agenda

- Development of the Action Plan
 - Stakeholder & Public Engagement
 - Data Analysis
- Safety Target Areas
- Action Plan
- Performance Measures
- Q&A



Action Planning Timeline

Internal/external stakeholder collaboration is occurring throughout this entire process.



Stakeholder Engagement

External Stakeholders Group *Bi-Monthly Meetings*

25 + representatives from Arlington County's Committees, Commissions, and other interest groups



Interdepartmental Stakeholders Group *Monthly Meetings*

- Community Planning, Housing & Development (CPHD)
- County Manager's Office (CMO)
- Environmental Services (DES)
- Fire Department (ACFD)
- Human Services (DHS)
- Public Health
- Parks and Recreation (DPR)
- Police Department (ACPD)
- Public Safety Communications & Emergency Management (DPSCEM)

Vision Zero is an all-community effort. We focused on breaking down silos to collaboratively solve transportation safety issues.

Three Public Engagement Phases



Timeframe:

Objective:

Activities:

Participation:

Phase I

Jan – Feb 2020

Set program goals
& priorities

Open House;
Online Form; Pop-
up Events

~900 Reached

Phase II

Oct - Nov 2020

Identify safety
concerns

Virtual Meeting;
Online Form;
Postcards; Hotline

~500 Responses

Phase III

Jan – Feb 2021

Gather feedback
on draft plan

Virtual Q&A;
Online Form;
Postcards; Library

~400 Responses

Engagement Findings: Our Shared Goals

Our Vision Zero Program Will Be...

Community Action Plan Goals



Multimodal

Ensure safe transportation, no matter how you get around.



Safety-First

Put safety first on County projects and policies - big or small.



Transparent & Accountable

Be transparent, responsive, and accountable on Vision Zero progress and outcomes.



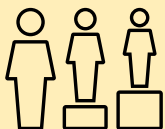
Data-Driven

Apply timely data to take action on safety.



Collaborative

Promote a culture of transportation safety for everyone.



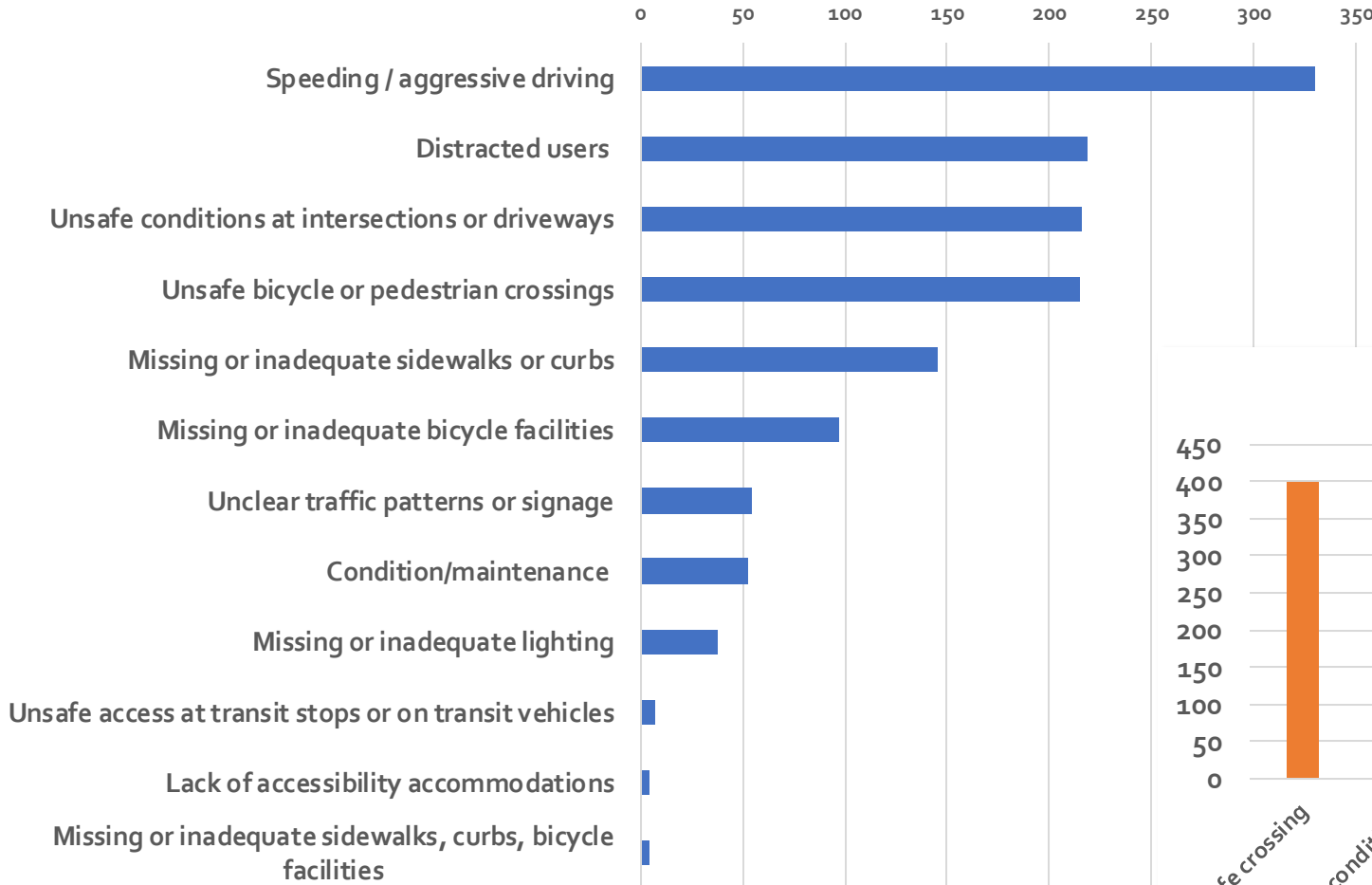
Equitable

Prioritize transportation safety investments equitably in the most vulnerable communities.



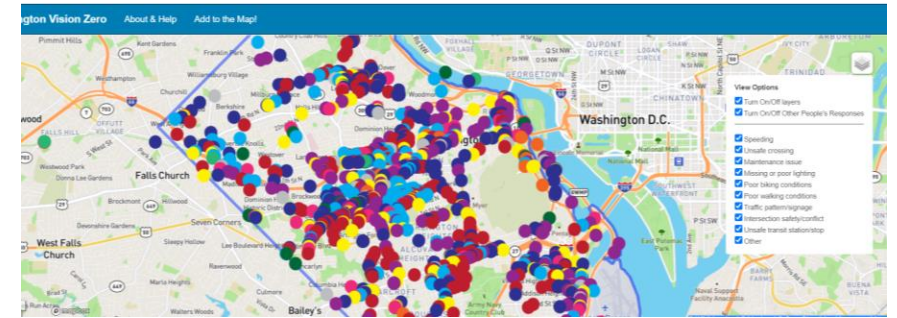
Engagement Findings: Our Shared Challenges

Top Challenges Affecting Travel Safety (496 Responses)

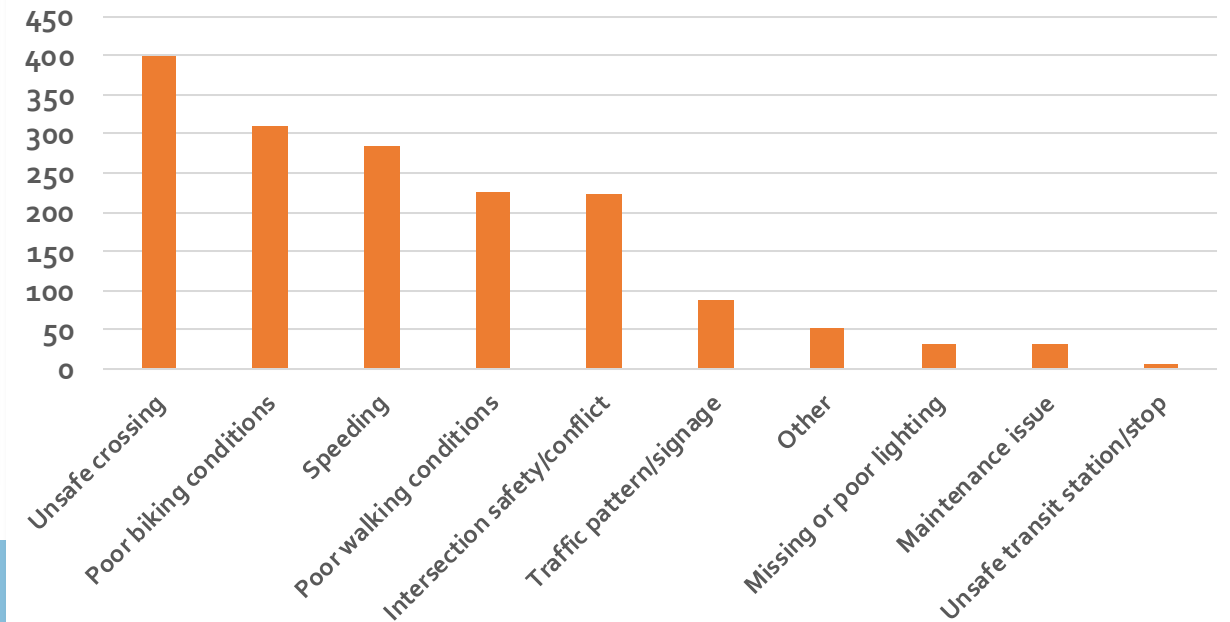


Activity Instructions

- 1) **Locate your transportation safety issue:** Click and drag your cursor to pan the map, and use the scroll (or +/-) button to the left to zoom in and out.
- 2) **Select your feedback type:** Click "Add to the Map!" in the blue bar and choose a category from the options provided.
- 3) **Add it to the map:** Click once to drop a point on the map. If you want, you can tell us more in a comment.
- 4) **Click "Submit".**
- 5) **You can also click on comments that others have made, and indicate whether you agree or disagree.**



Map Points Summary (2,100 Comments)



Data Findings

Pedestrian
5% of Total Crashes
24% of Critical Crashes
50+% of Fatal Crashes



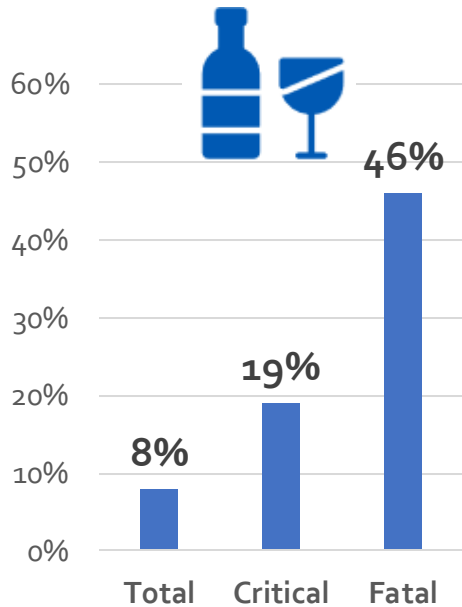
Bicycle
2% of Total Crashes
8% of Critical Crashes



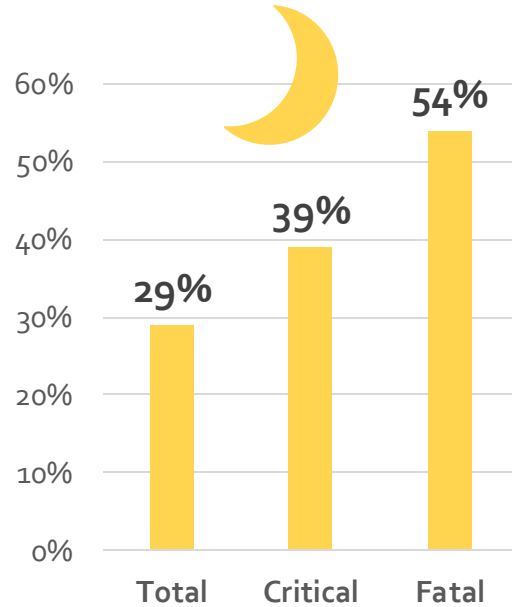
Motorcycle
1% of Total Crashes
13% of Critical Crashes



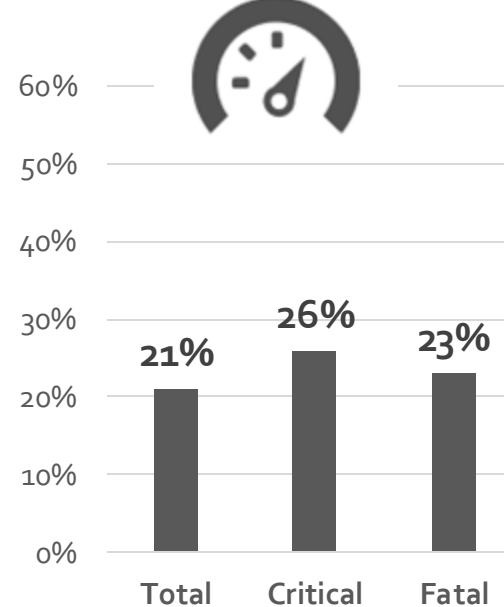
Alcohol (Crashes: 34)



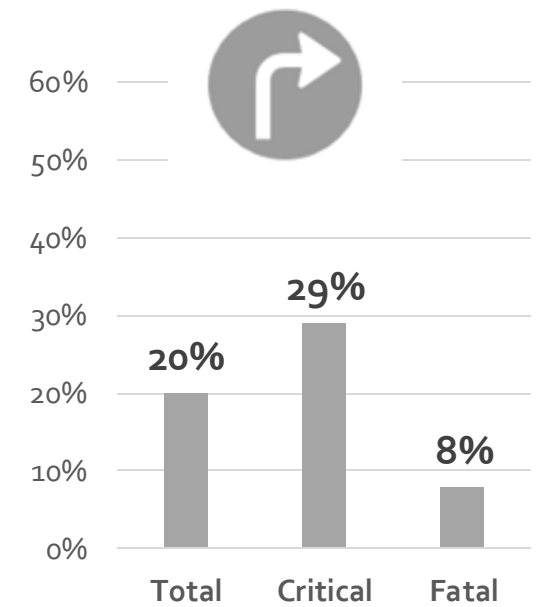
Night (Crashes: 69)



Speeding (Crashes: 47)



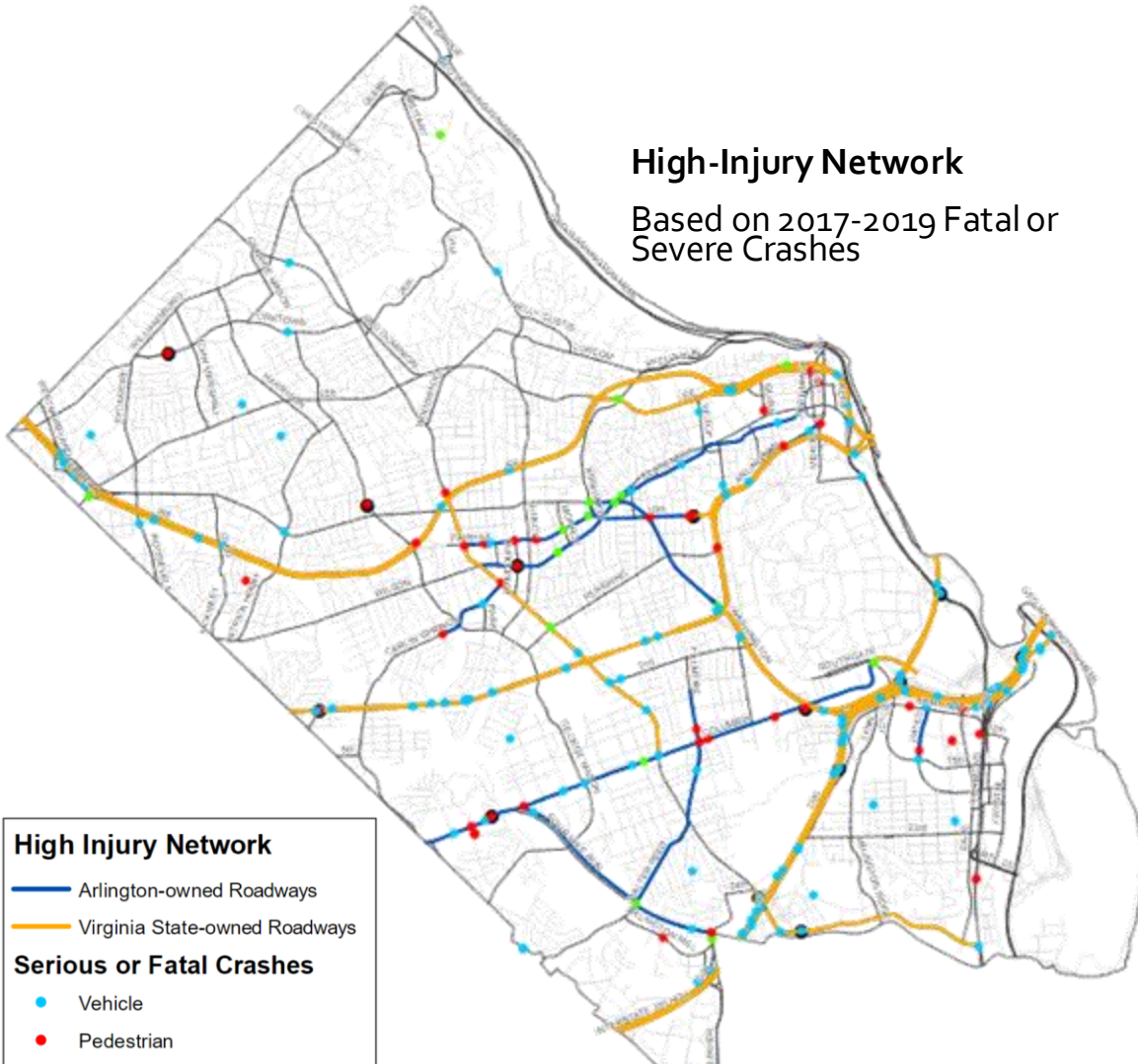
Turning (Crashes: 52)



Data Findings

High-Injury Network

Based on 2017-2019 Fatal or Severe Crashes



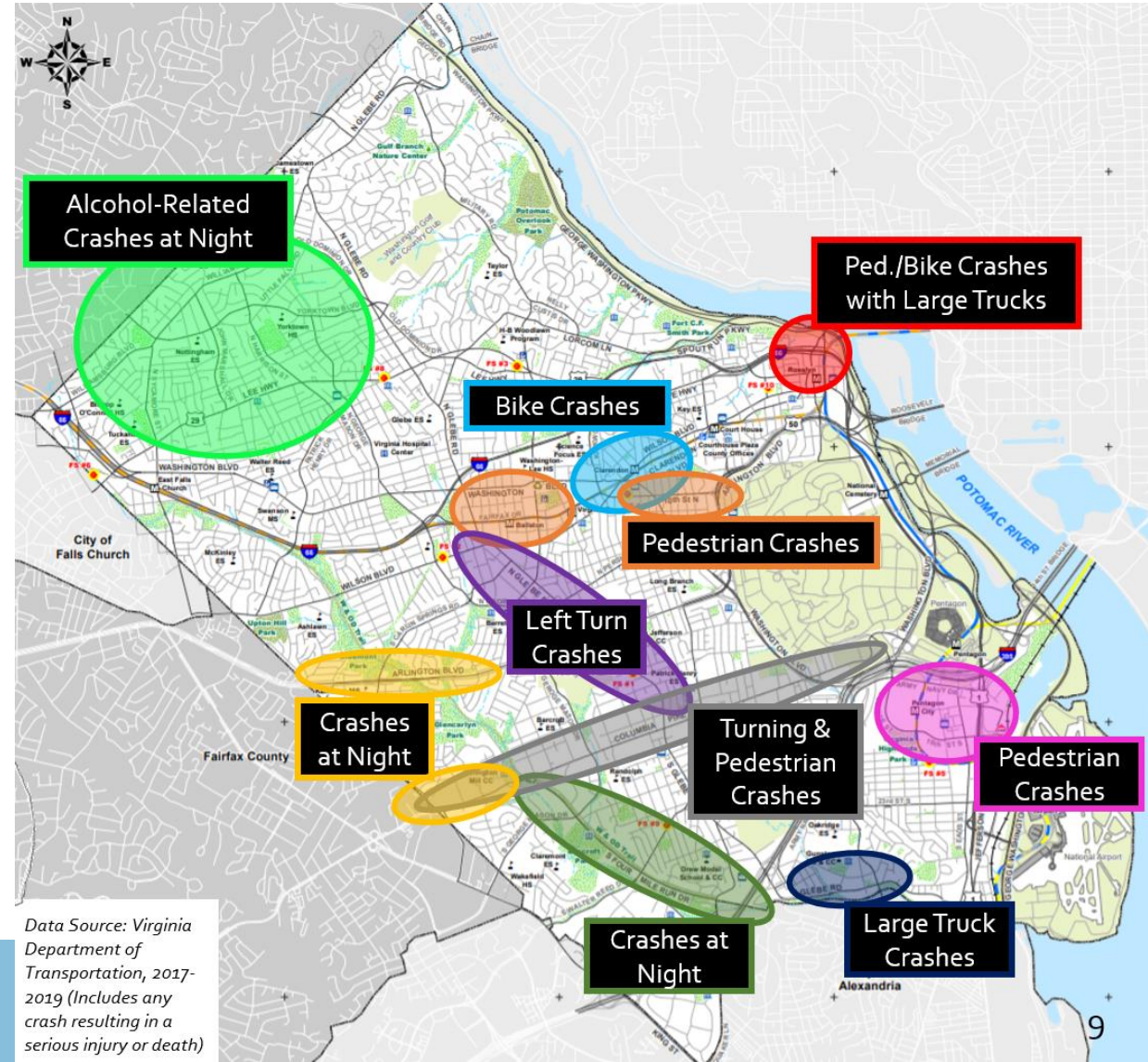
High Injury Network

- Arlington-owned Roadways
- Virginia State-owned Roadways

Serious or Fatal Crashes

- Vehicle
- Pedestrian
- Bike
- Indicates Fatal Crash

2017-2019 Analysis of Common Crash Locations & Factors



Data Source: Virginia Department of Transportation, 2017-2019 (Includes any crash resulting in a serious injury or death)

Safety Target Areas

Using our findings from engagement and data analysis efforts, we identified safety target areas:

- Intersections
- Pedestrians
- Bicycles
- Alcohol
- Speed
- Distraction
- Work Zones
- High-Injury Network Corridors
- Equity
- Information Quality
- Safety Culture
- Transparency & Accountability

Each action item will address at least one of these target areas.

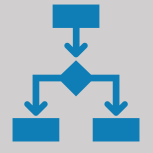


Action Items



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



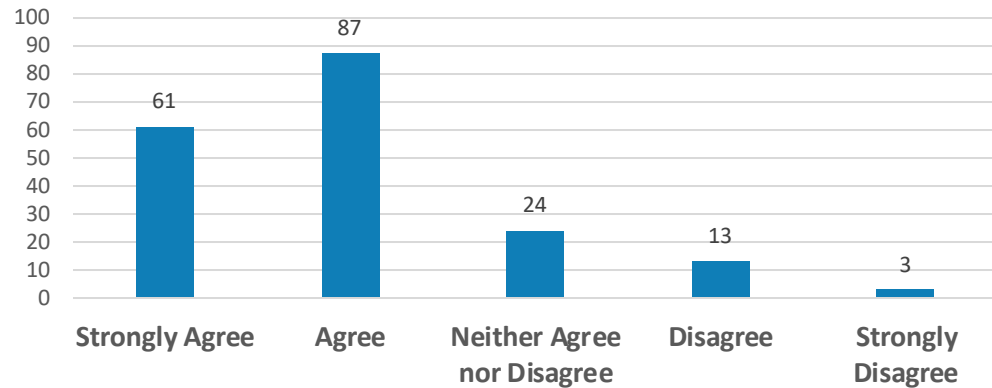
D. Partnerships

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

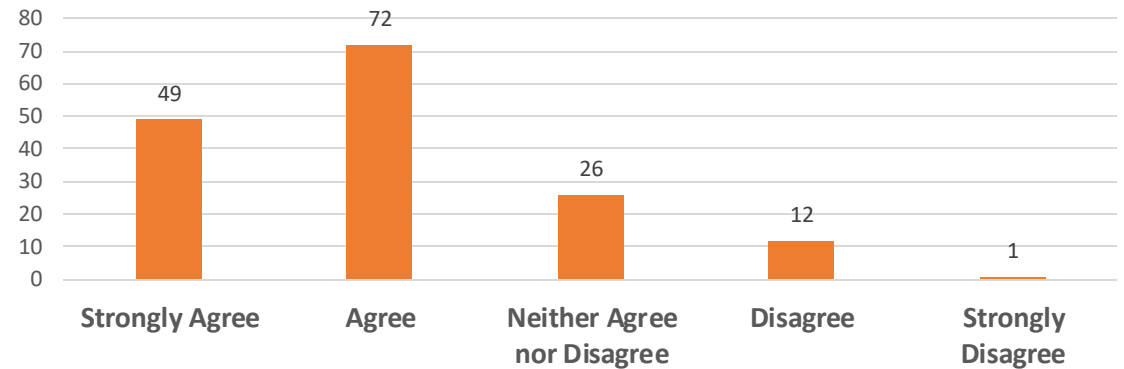
Phase III Public Engagement Summary

The actions (by category) will help us achieve our transportation safety goals.

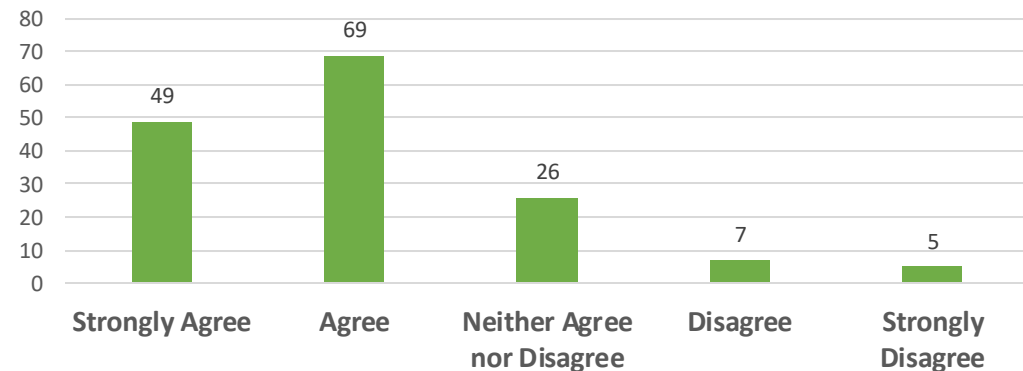
Data & Evaluation



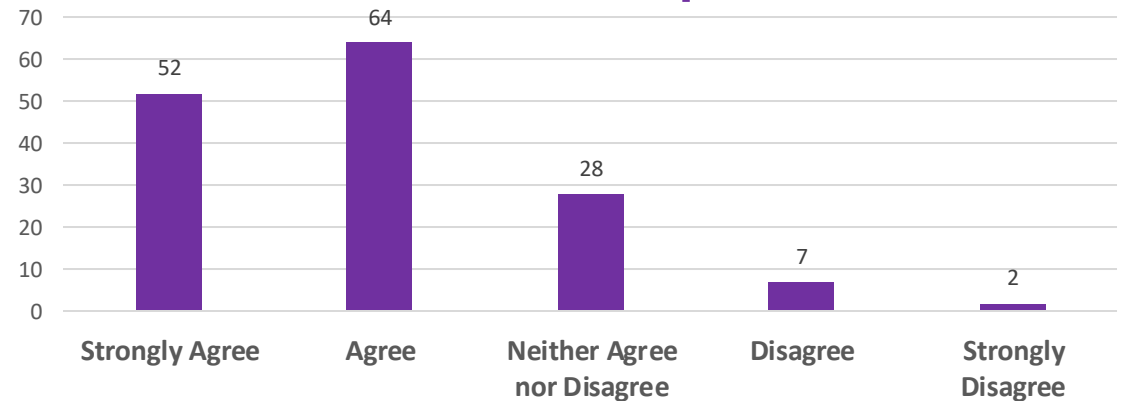
Process & Organization



Engagement



Partnerships



Safety Target Areas & Performance Measures



*Reported by Severity Level

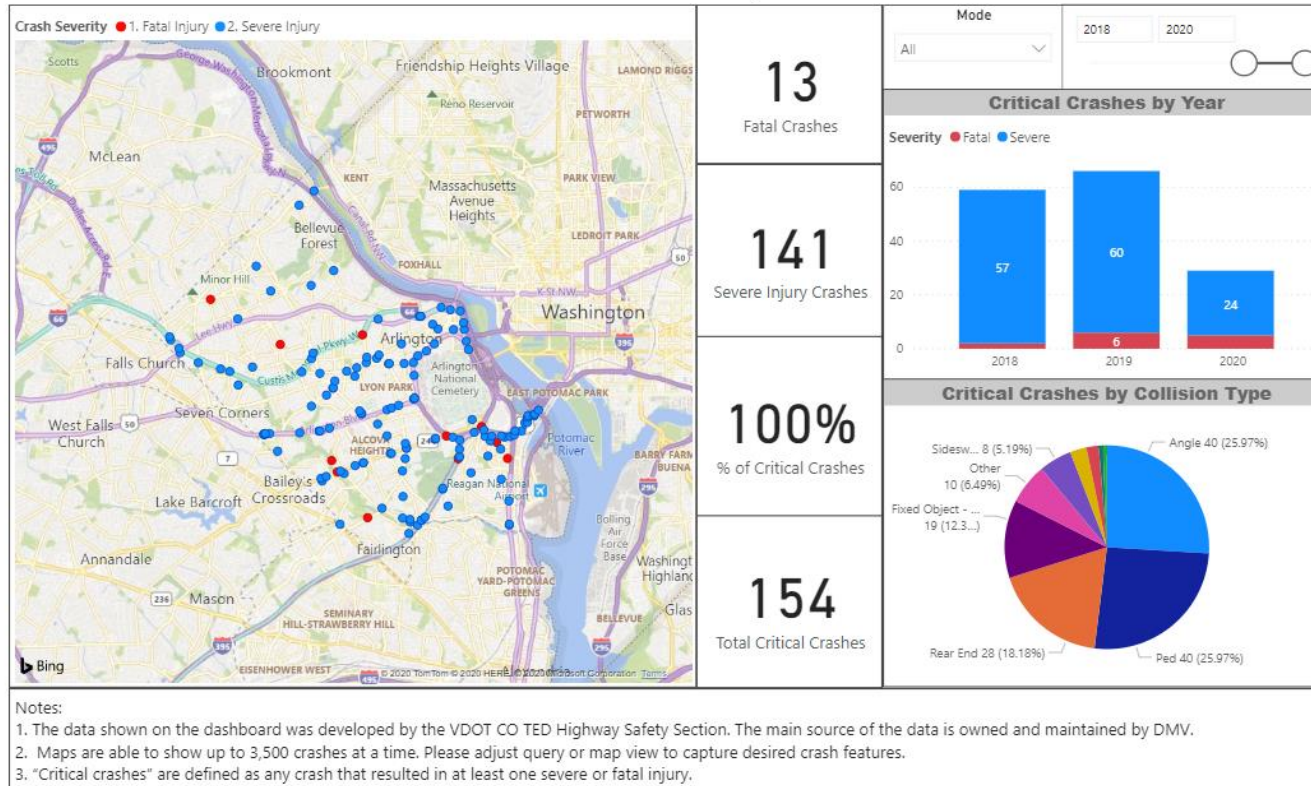
<u>Target Areas</u>	<u>Performance Measures</u>
Vision Zero	<ul style="list-style-type: none"> • # of Serious Crashes • # of Fatal Crashes
Intersections	• # of Intersection Crashes*
Pedestrians	• # of Pedestrian Crashes*
Bicycles	• # of Bicycle Crashes*
Alcohol	• # of Alcohol-related Crashes*
Speed	• # of Speed-related Crashes*
Distraction	• # of Distraction-related Crashes*
Work Zones	• # of Work Zone Crashes*
High-Injury Network Corridors	• # of Crashes on the High-Injury Network*
Equity	• # Crashes in Areas of Higher Poverty or Diversity*
Information Quality	} Qualitative Program Assessment
Safety Culture	
Transparency & Accountability	

Vision Zero Dashboard

Arlington County Crash Analysis - Critical Crashes

Last Updated: 10/30/2020 3:05:55 PM

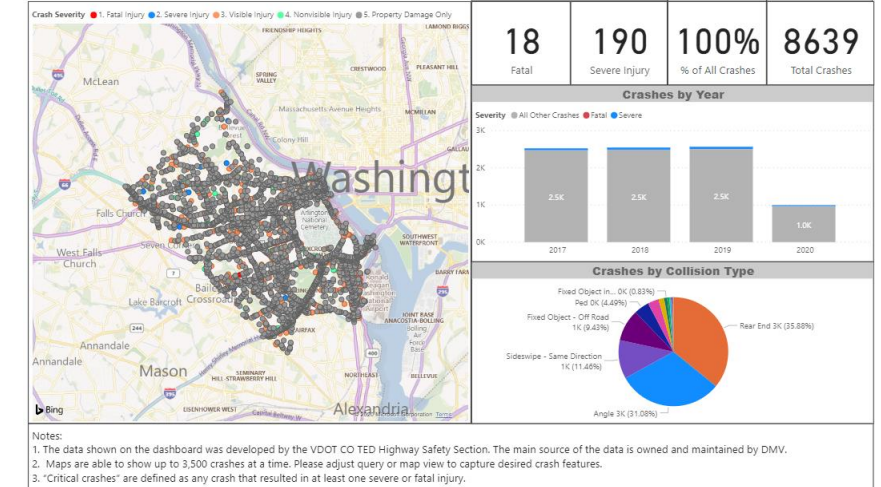
Crash Data from 1/01/2013 through 8/31/2020



Arlington County Crash Analysis - Details

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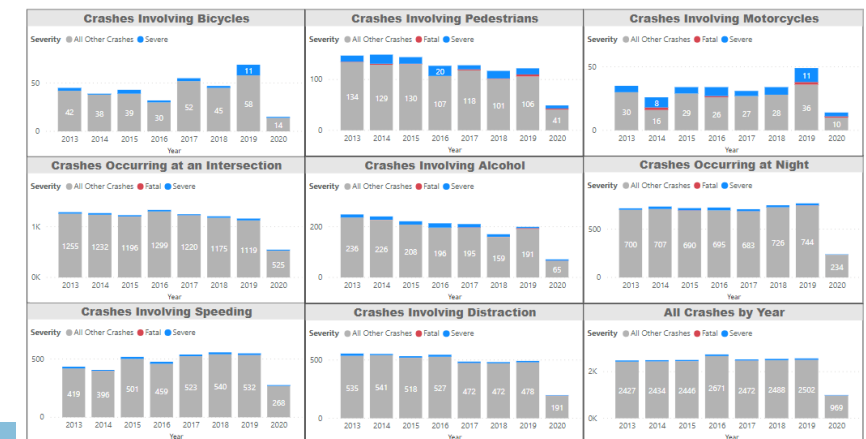
Crash Data from 1/01/2013 through 8/31/2020



Arlington County Crash Analysis - Trends

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Crash Data from 1/01/2013 through 8/31/2020



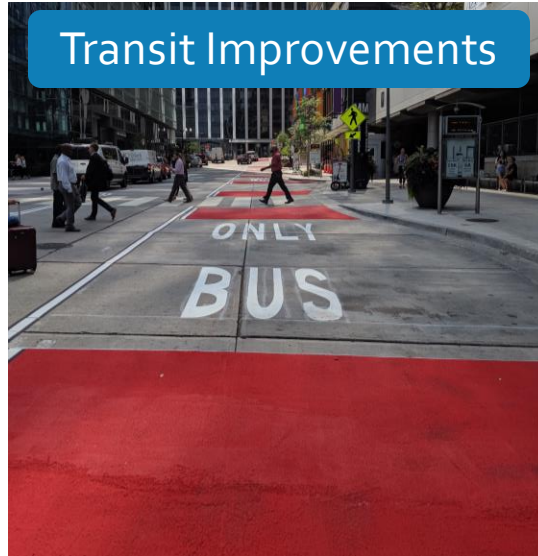
The Crash Analysis Dashboard is available at:
<https://transportation.arlingtonva.us/vision-zero/maps-and-safety-data/>

What does success look like?

Intersections that
Protect All Users



Transit Improvements



Safer Street
Designs



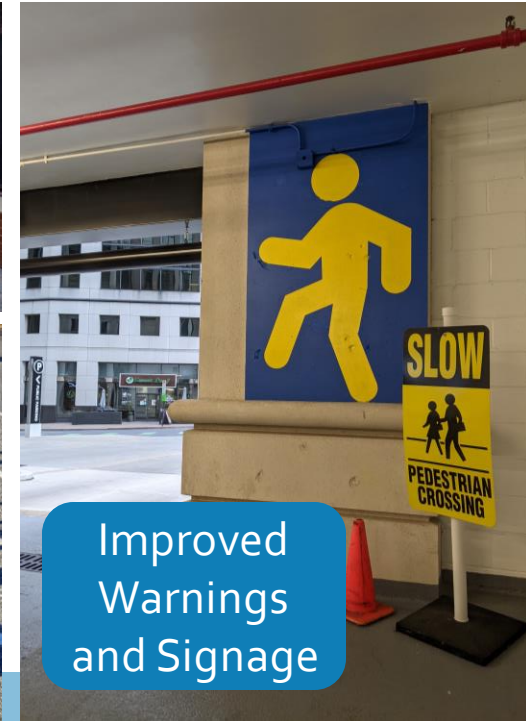
Education &
Encouragement



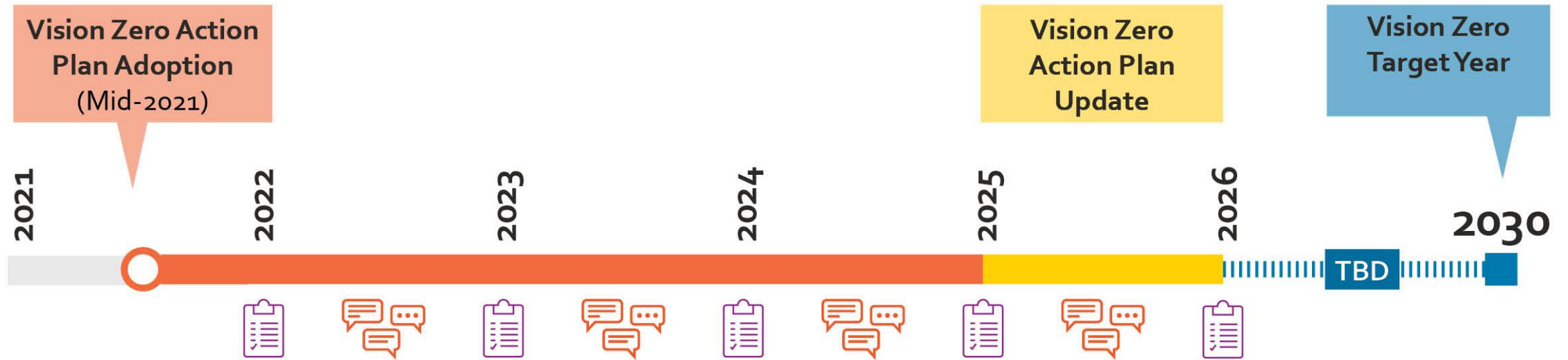
Collaboration
with Partners



Improved
Warnings
and Signage



Implementation & Update 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

Actin Plan - Moving Forward

- Show your support to the County Board prior to the May meeting.
- Reach out to staff with thoughts or questions – csbaker@arlingtonva.us

THANK YOU!



Questions?