Safe System Implementation

National Capital Region
Transportation Planning Board
October 31, 2024

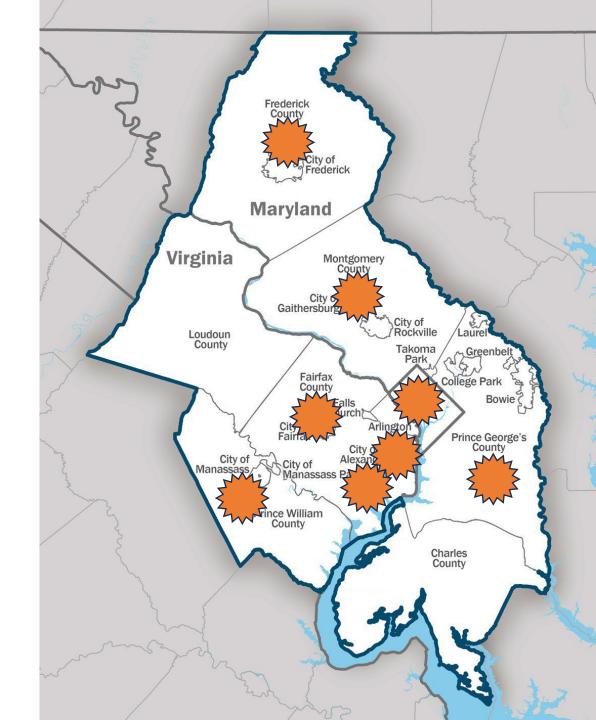


Johns Hopkins Center for Injury Research and Policy

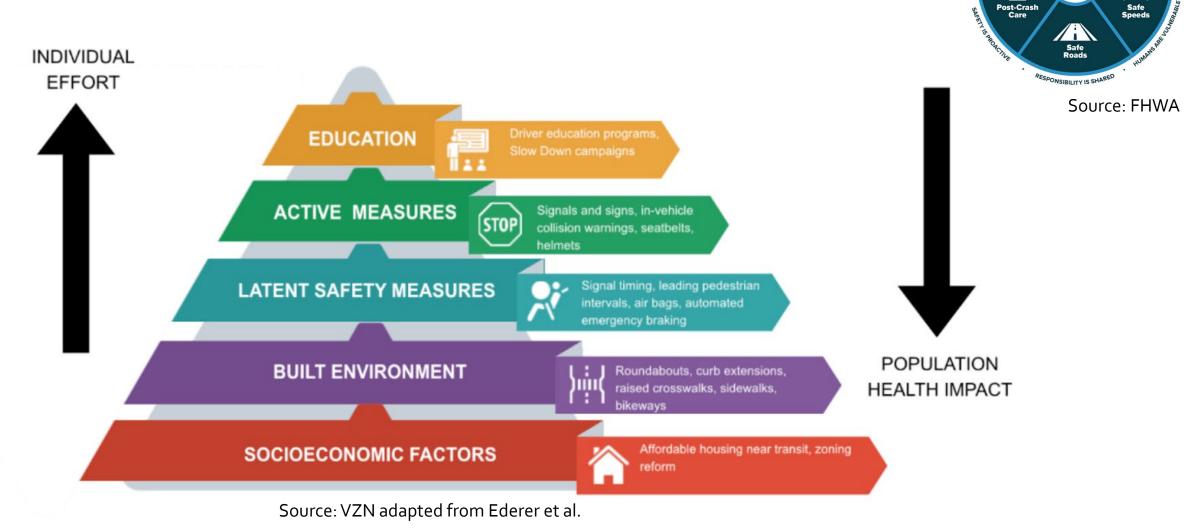
Vision Zero in the National Capital Region

Vision Zero Action Plans in Place or Underway





The Safe System Approach



Safe Road Users

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Role of the MPO in the Safe System Approach:

Federal Highway Administration







U.S. Department of Transportation

Federal Highway Administration





Role of the MPO in the Safe System Approach:

Vision Zero Network



Centering safety at Metropolitan Planning Organizations

Metropolitan Planning Organizations (MPOs) are a big part of our lives and the regional economy through the planning and programming decisions they make. There are 407 MPOs in the U.S., one for each urbanized area with 50,000 or more people. Congress created MPOs to ensure that expenditures of governmental funds for transportation projects and programs are based on continuing, cooperative, and comprehensive planning across a region.

The role of MPOs is receiving increasing attention as more people across the country acknowledge the travesty of preventable loss of lives on our roadway. Last year, according to the National Safety Council, an estimated 40,000 people lost their lives and more than 4 million more were injured on U.S. roadways. And traffic deaths disproportionately affect those in communities of color, low-income communities, youth, the elderly, and those walking and biking.

In communities across the nation, people are stepping up to say "enough is enough" and to shift the paradigms that allow for such tragedy and pain. Cities are adopting the goal and principles of Vision Zero, which works to eliminate all traffic fatalities and severe injuries. while increasing safe, healthy, equitable mobility for all, Vision Zero strategies emphasize the

need for political leadership, infrastructure improvements, and data-driven strategies that prioritize preventing fatalities on roadways.

Through regional planning, funding, and policy, MPOs are uniquely positioned to embrace Vision **Zero and save lives.** This resource provides examples from around the country and six recommendations for MPOs to improve safety outcomes.

PLANNING

A central power of MPOs comes in their ability to stimulate a collaborative process to address issues that no single jurisdiction can tackle alone. A region's transportation system is the thread that connects other regional priorities, such as economic competitiveness, access to jobs, public health and safety, environmental qualwity, and development patterns.

Long range transportation plans

Metropolitan transportation plans identify how transportation funds are spent and must consider ten factors including to: "increase the safety of the transportation system for motorized and nonmotorized users." How actively and meaningfully MPOs implement this safety factor in their longrange plan varies.

TRADITIONAL APPROACH

Traffic deaths are INEVITABLE **PERFECT** human behavior **Prevent COLLISIONS INDIVIDUAL** responsibility Saving lives is **EXPENSIVE**

VISION ZERO

Traffic deaths are PREVENTABLE Integrate HUMAN FAILING in approach Prevent FATAL AND SEVERE CRASHES SYSTEMS approach Saving lives is **NOT EXPENSIVE**

Role of the MPO in the Safe System Approach:

Regional Safety Vision

Coordination & Collaboration

Focus on Speed

Engage the Public

Culture of Safety

Performance Measures and Targets

AAAFTS-JHU-ITE-UNC Collaboration

Phase 1: Guidance for community safety advocates

Phase 2: Guidance for community safety practitioners









ROADWAY SYSTEMS & DRIVERS

TECHNICAL REPORT

A Safe System Guide for Transportation: Sharing this Approach to Lead Your Community to Action

NOV 2023

607 14th Street, NW, Suite 701 Washington, DC 20005 202-638-5944 AAAFoundation.org











ROADWAY SYSTEMS & DRIVERS

TECHNICAL REPORT

A Safe System Guide for Transportation: Successful Examples from Communities in the U.S.

SEP 2024

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Case Studies



Hillsborough, Florida TPO

Safe System Focus:

- Motivated by high fatality rate
- Led Regional VZ Action Plan
- Communications and media

Funding:

- Support from Mayor and city departments for resources and funding,
- Enabled SS4A federal grants.

THE DANGEROUS REALITY

e have a crisis in Hillsborough County.

Our streets are some of the deadliest in the country. Each day, Hillsborough County residents travel roads with the highest traffic fatality rate per capita among large counties in the United States.¹

From 2005 to 2015, nearly two thousand people died as a result of motor vehicle crashes on Hillsborough County roadways.² On average, 33 more people than the national average for counties with similar populations are killed on our roadways each year.

Biking or walking makes you especially vulnerable. The Tampa Bay area's pedestrian fatality rate is higher than almost any other metro area in the United States. On average, at least one person walking and one person biking are involved in a crash every day. A significant portion result in serious injury or death.

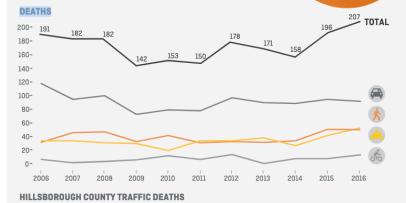
- 1 2015 FARS data and Census population estimates
- Florida Department of Health http://www. flhealthcharts.com/charts/default.aspx

Hillsborough County has the highest traffic fatality rate per capita of all large counties in the country.

Source: Hillsborough County, Crash Data Management System

13%

OF ALL INJURY
CRASHES
in Hillsborough from
2012-2016 ended in
SERIOUS INJURY
OR DEATH



Hillsborough, Florida TPO



Lessons Learned:

- Regional planning facilitates implementation
- Messaging for public support
- Prioritize underserved communities.
- Follow data-driven approach.

Massachusetts

Safe System Challenges

- Jurisdictional issues
- Safe speeds
- Stakeholder coordination



Massachusetts

Lessons Learned:

- Focus on Safe System principles rather than countermeasures
- Including a focus on equity
- Overcoming resistance among stakeholders

Funding:

 The state supports local Safe System initiatives through resources and funding, including partnerships for SS4A federal grants.



Source: MassDOT

Madison, Wisconsin

Safe System challenges

- Post-pandemic traffic deaths.
- Disparities in traffic enforcement citations.
- Resistance to conceding parking space.



Madison, Wisconsin

Lessons Learned:

- Importance of high-level leadership.
- Building on existing movement.
- Community engagement is essential.
- Commitment for the long term.

Funding:

- Federal and state grants for momentum.
- City budget allocation for sustainability.

Source: City of Madison





McKenzie County, North Dakota

- Safe System challenges
 - Low density
 - Very high fatality rate
 - Safe roads (focus on roadway infrastructure)
 - Staffing turnover



McKenzie County, North Dakota

Lessons Learned:

- Working with State Department of Transportation.
- Engaging diverse partners Oil & Gas, Agriculture industries.
- Including overrepresented populations such as Native American communities in the process.



Source: NDDOT

Questions?

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