



**OLD COLONY**  
PLANNING COUNCIL



# Safe Streets 4 All Regional Vision Zero Action Plan

Public Meeting

12/11/2024

# Welcome and Introductions



**OLD COLONY**  
PLANNING COUNCIL

IN PARTNERSHIP WITH



## OCPC

William McNulty, PTP

Charles Kilmer, AICP

## The BETA Team presenters:

Jaklyn Centracchio, PE, PTOE

Anna Sangree, AICP, RSP

Austin Pszeny, EIT

Emily Slotnick, AICP



# Agenda

- Introduction to the SS4A Program
- What is a Safety Action Plan?
- Public Engagement Initial Findings
- Safety Analysis Review – High Injury Network
- Safety Countermeasures
- Next Steps
- Open Discussion

# Join the Poll!

- **Option 1: Using a Web Browser**

- Open a web browser on your phone, tablet, or computer.
- Go to [pollev.com/OCPC679](https://pollev.com/OCPC679) or use the link dropped in the Zoom Chat.
- You'll see the live poll or activity appear on your screen.

- **Option 2: Text Participation**

- Open your messaging app.
- Send a text to the number (22333).
- In the message body, type the keyword **OCPC679** and send it.
- You'll receive a confirmation, and then you can submit your answers via text.

**\*\*Please do not skip ahead to the next question. We'll work through each one together. Responses will appear in real-time on the presenter's screen.\*\***

# Survey Question #1

What community (or communities) do you represent?



Start the presentation to see live content. For screen share software, share the entire screen. Get help at [pollev.com/app](https://pollev.com/app)

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# What is Safe Streets for All (SS4A) ?

- Developed under the Bipartisan Infrastructure Law to fund regional, local, and tribal initiatives through grants to prevent roadway deaths and serious injuries.
- **Planning and Demonstration Grants**
  - Develop Safety Action Plan
  - Helps to lay the framework for future planning
- **Implementation Grants**
  - Implement projects and developed strategies



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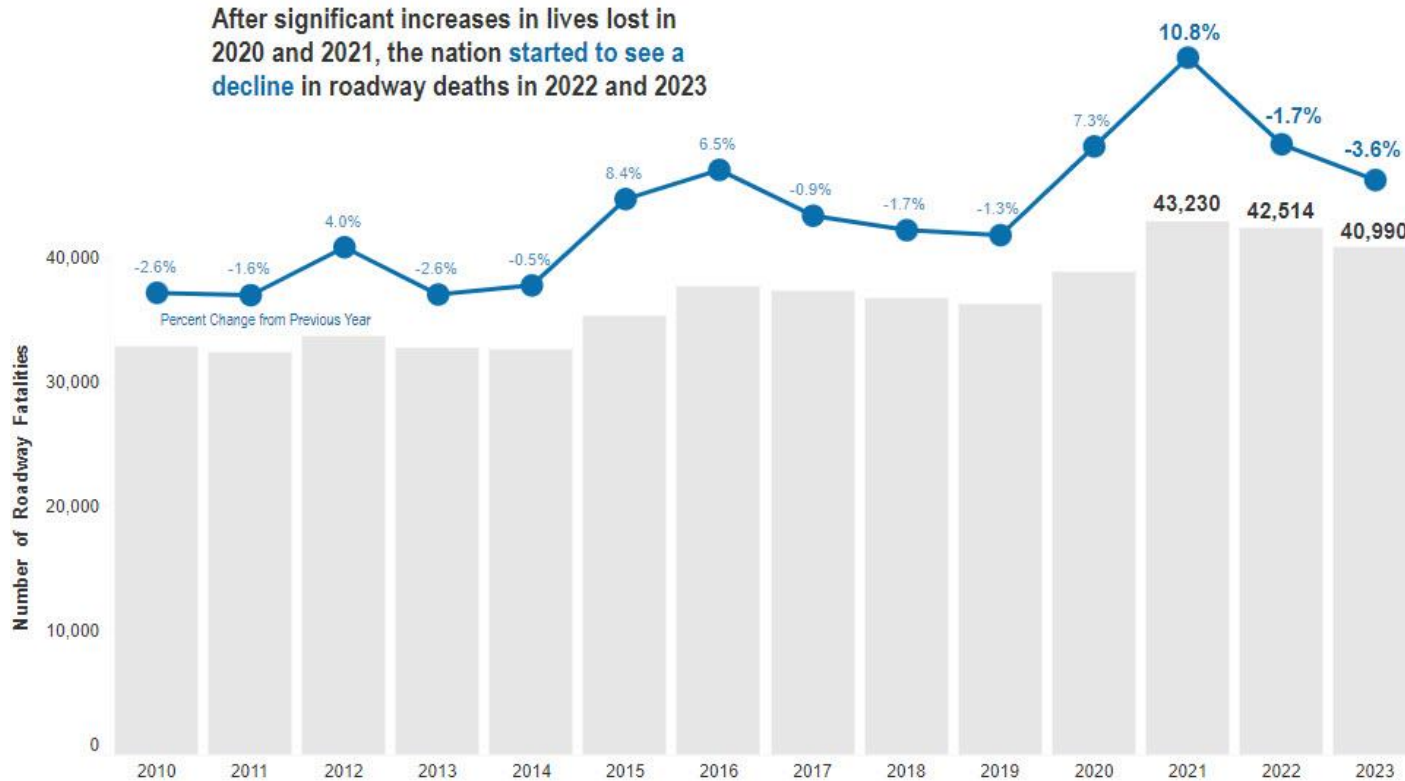


# Overarching Goal

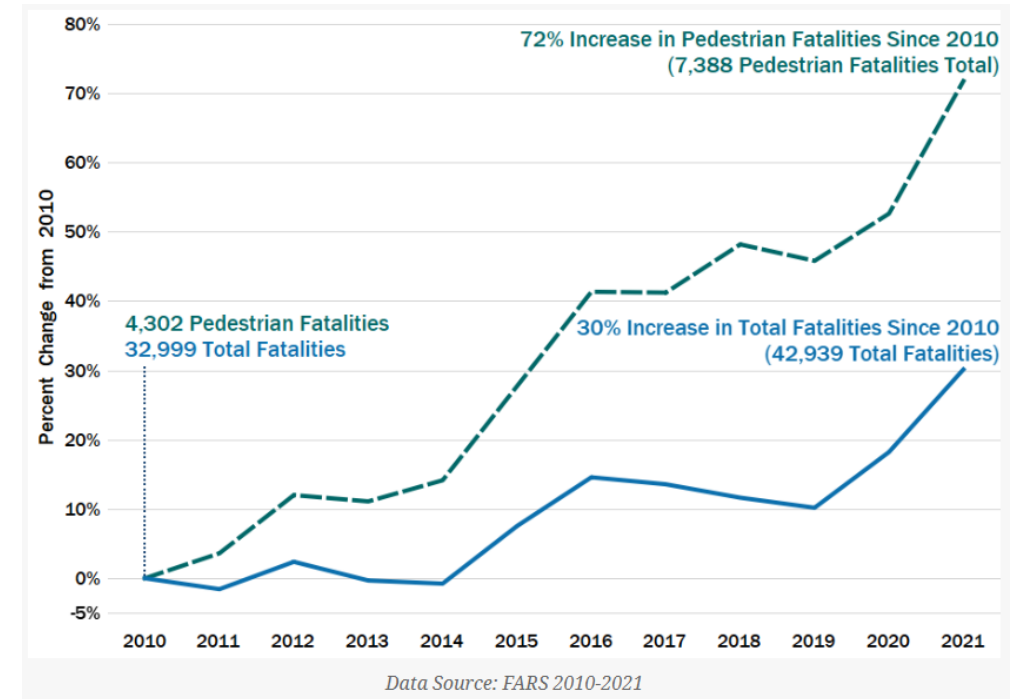
“Improve roadway safety by **significantly reducing and eventually eliminating** roadway fatalities and serious injuries”



# Trends across the United States



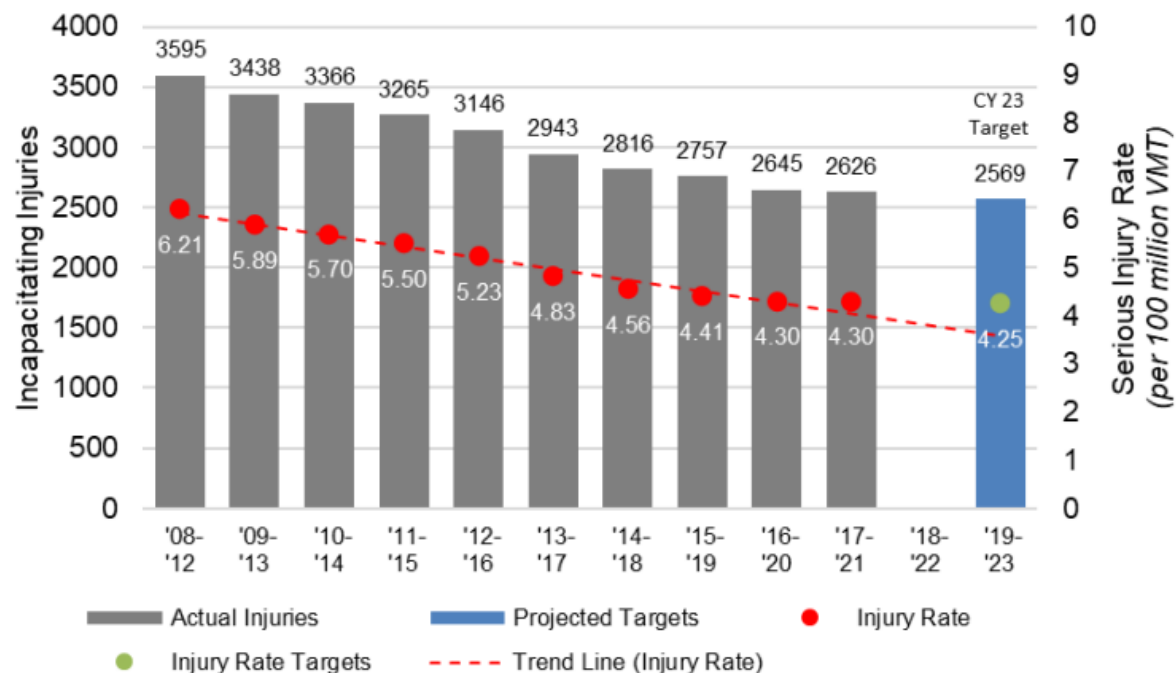
Source: [The Roadway Safety Problem | US Department of Transportation](#)



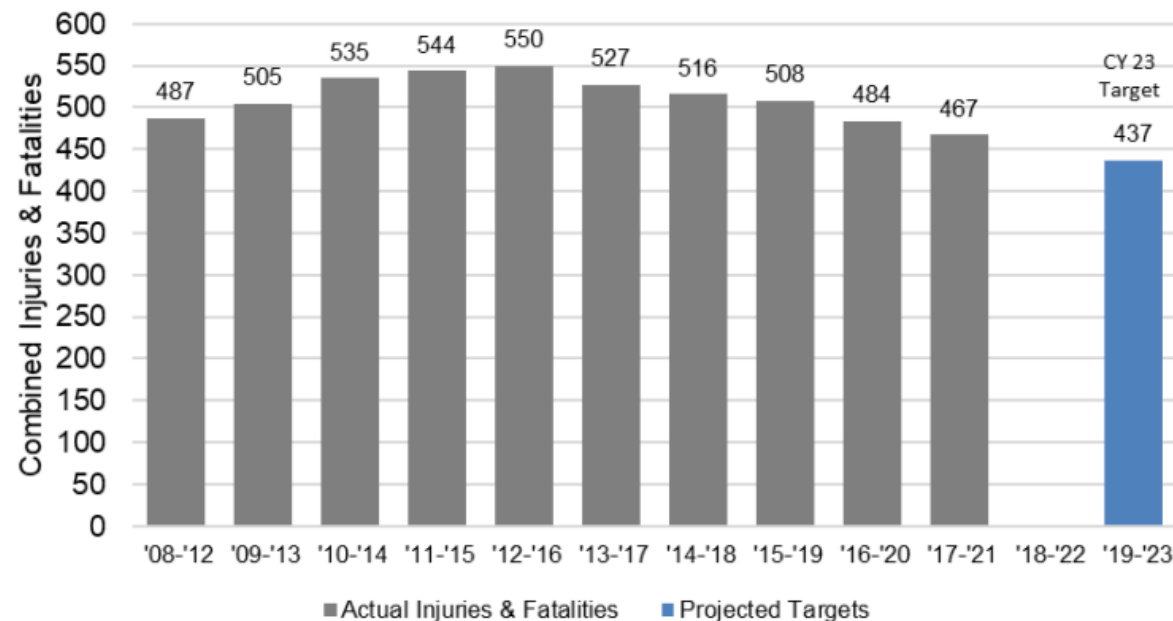
Source: [Our Nation's Pedestrian Safety Crisis](#)

# Trends in the OCPC Region

## Total Serious Injuries (5-year Averages)



## Total Combined Non-Motorized Injuries & Fatalities (5-year Averages)



Source: [Vision 2050 Old Colony LRTP – Endorsed September 2023 - Old Colony Planning](#)

# What is a Safety Action Plan?

- Regional or local comprehensive safety plan
- Combine data analysis and public outreach to target locations of the highest safety risk.
- Consider **Equity** and the **Safe System Approach**
- Track safety statistics and project implementation over time



# Components of a Safety Action Plan

- Leadership and Goal Setting
- Safety Analysis
- Engagement and Collaboration
- Policy and Process Changes
- Equity Analysis
- Strategy and Project Selection
- Measuring Progress Over Time



# Project Timeline



**MARCH - JUNE 2024**

Crash Analysis and Identification of High Injury and Risk Locations



**OCTOBER - DECEMBER 2024**

Public Launch of Dashboard & Public Engagement



**JUNE 2025**

Implementation Plan



**JULY - SEPTEMBER 2024**

Engagement with Communities & MassDOT



**JANUARY - MARCH 2025**

Development of Recommendations & Transportation Equity Review



# How Do I Provide Feedback?

**Public Input Map** High Injury Network Dashboard

**WHERE DO YOU WANT TO SEE SAFETY IMPROVEMENTS IN THE REGION?**

**LEGEND**

**Points of Concern - Survey Points**

- Walking Concern
- Accessibility for People with Disabilities Concern
- Biking Concern
- Driving Concern
- General Safety Concern
- Other

**OCPC Region with Town Profiles**

The development of the High Injury Network is a part of Old Colony Planning Council's Regional Vision Zero Action Plan for the seventeen communities of the Old Colony Region through the Federal Safe Streets and Roads For All (SS4A) Discretionary Grant Program. Learn more at: [Safe Streets 4 All - Old Colony Planning](#).

**Place a point on the map below!**  
Your comments will help shape the OCPC Safety Action Plan.

Find address or place

No geometry captured yet.

**Type of safety concern**  
-Please select-

**Provide more detail here.**

1000  
Powered by Esri

# Feedback we've collected so far

- Received 95 comments on the interactive map
- Spoke with almost 100 representatives from the 17 OCPC cities and towns
- Presented at 2 Joint Transportation Committee Meetings
- Engaged with representatives from MassDOT, the FHWA, and local transit authorities



# What we heard...

- Unsafe or missing crosswalks
- Sidewalks gaps
- Accessibility concerns for people with disabilities
- Speeding
- Red Light Running
- Visibility and sight distance issues

- Outdated or missing signals
- Confusing intersection layouts
- Lack of bike infrastructure
- Road rage
- Unsafe left turns
- Poor pavement condition

# Survey Question #2



What are your top safety concerns in your community?

## Survey Question #2 - What is the top safety concern in your community?

Speeding

Distracted Driving

Impaired Driving

Need for intersection control upgrades (adding signals, converting two-way stops...

Poor Pavement Conditions

Lack of bike/pedestrian infrastructure (crosswalks, bike lanes)

Conflicts of vehicles with bikes/pedestrians

Other Concerns? (Feel free to discuss during the presentation open discussion at ...)

# High-Injury Network (HIN) Overview

Trends and Risk-Based Analysis

# Identify Key Locations

**“Where are crashes occurring?”**

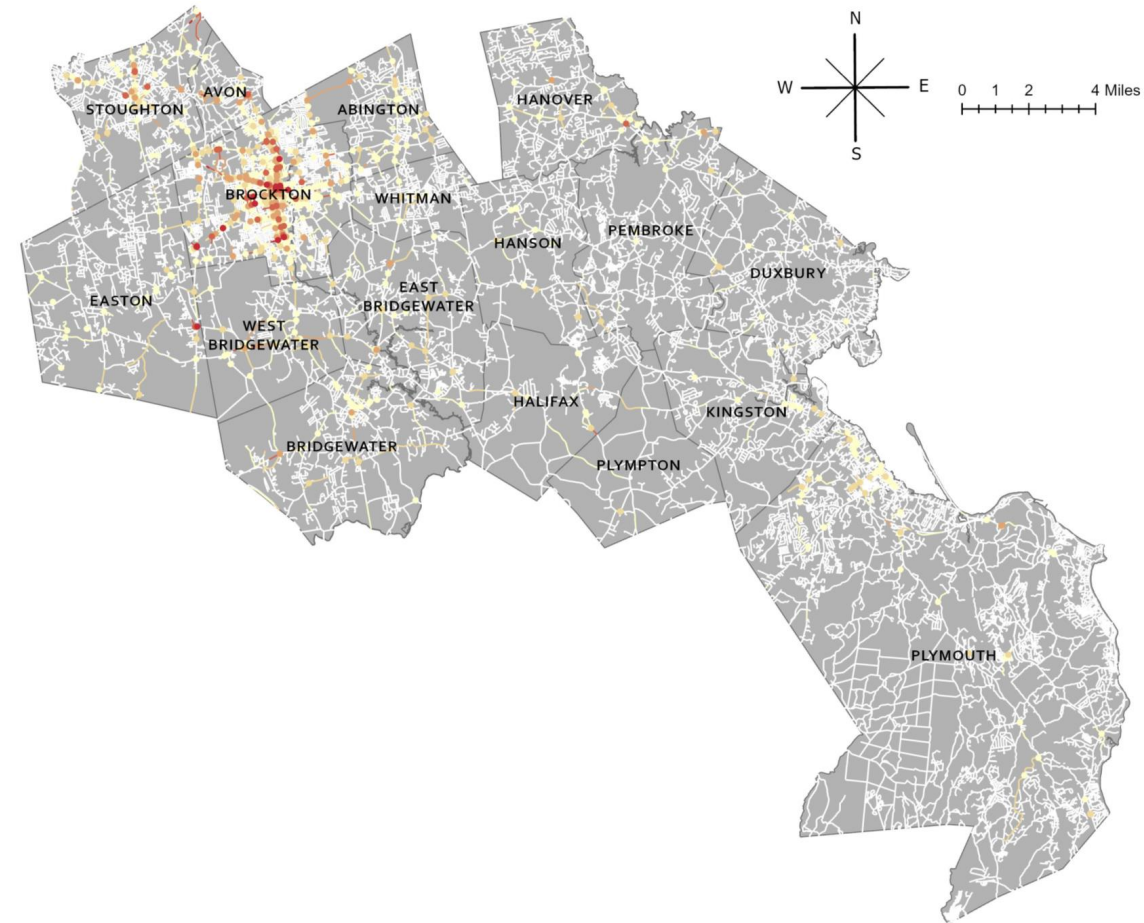
Trends-Based (Historical)

**“Where are crashes likely to occur in the future?”**

Risk-Based (Predictive)

**Prioritize top intersection and corridors**

High Injury Network (HIN)

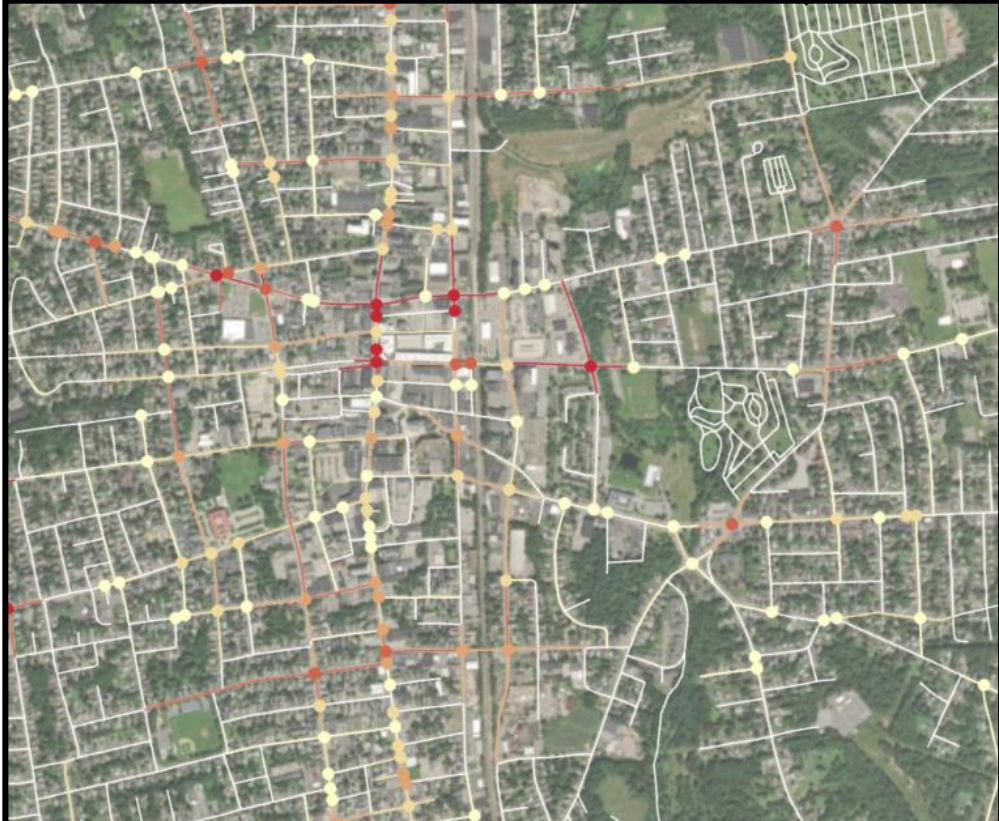
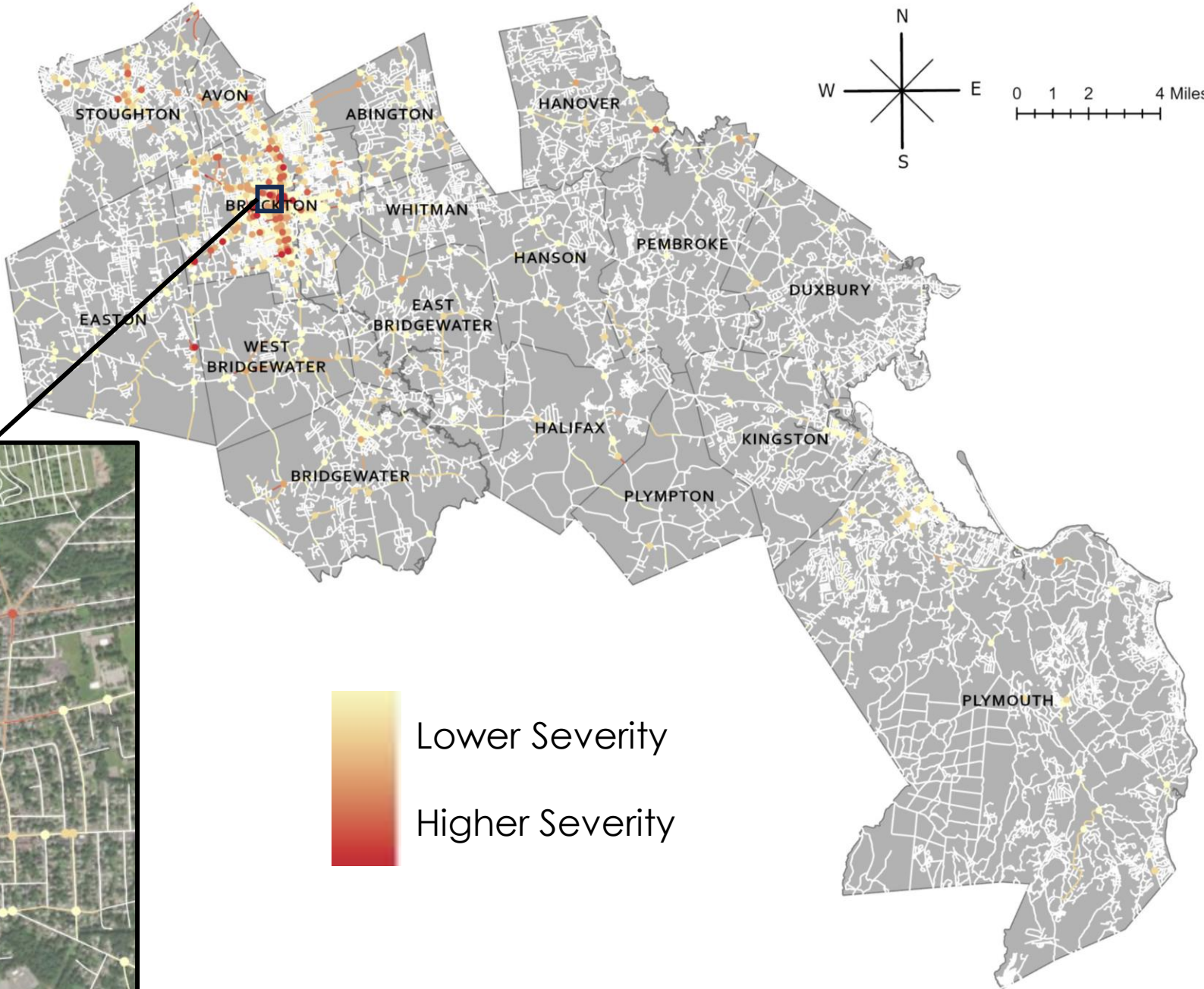


# High Injury Network

*Trends-Based (Historical Crashes)*



# Map of Trends Based in Region



Lower Severity  
Higher Severity

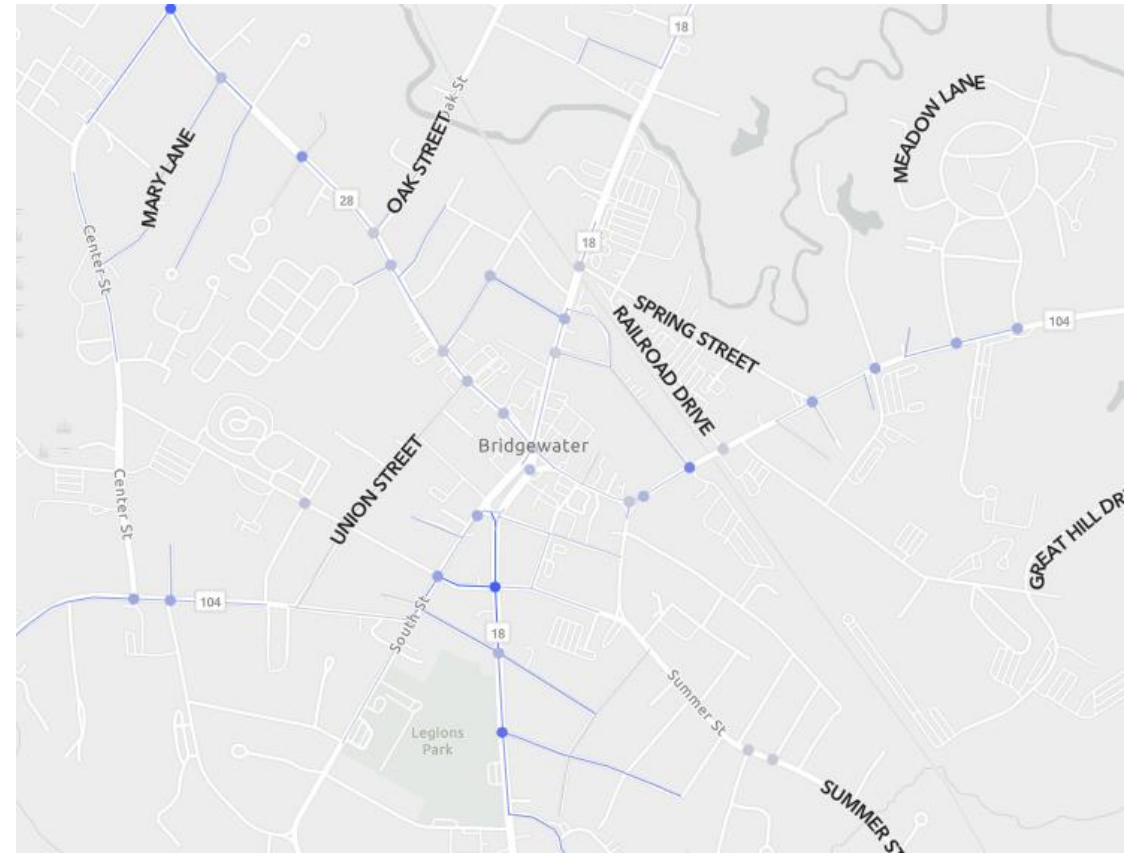
# High Injury Network

## *Risk-Based (Predictive Analysis)*

**Identify current low-crash locations that share characteristics with high-crash locations.**

Risk Factors

- Traffic Volume
- Speed Limits
- Surface Width
- Intersection Characteristics
  - Stop controlled or signalized
  - Number of approaches





# What We Found: Safety Trends

Crash Analysis Results

Top Intersection and Segment Locations

Between 2018-2022...

**39,030**

total crashes

**## (30%)**

crashes resulted in an **injury**

**119**

crashes resulted in a  
**fatal injury**

**875**

crashes resulted in a  
**serious injury**

# Crashes more likely to be serious or fatal



**Single vehicle** crashes



Crashes with people **walking or biking**



Crashes with **trees and poles**



**Head on** crashes

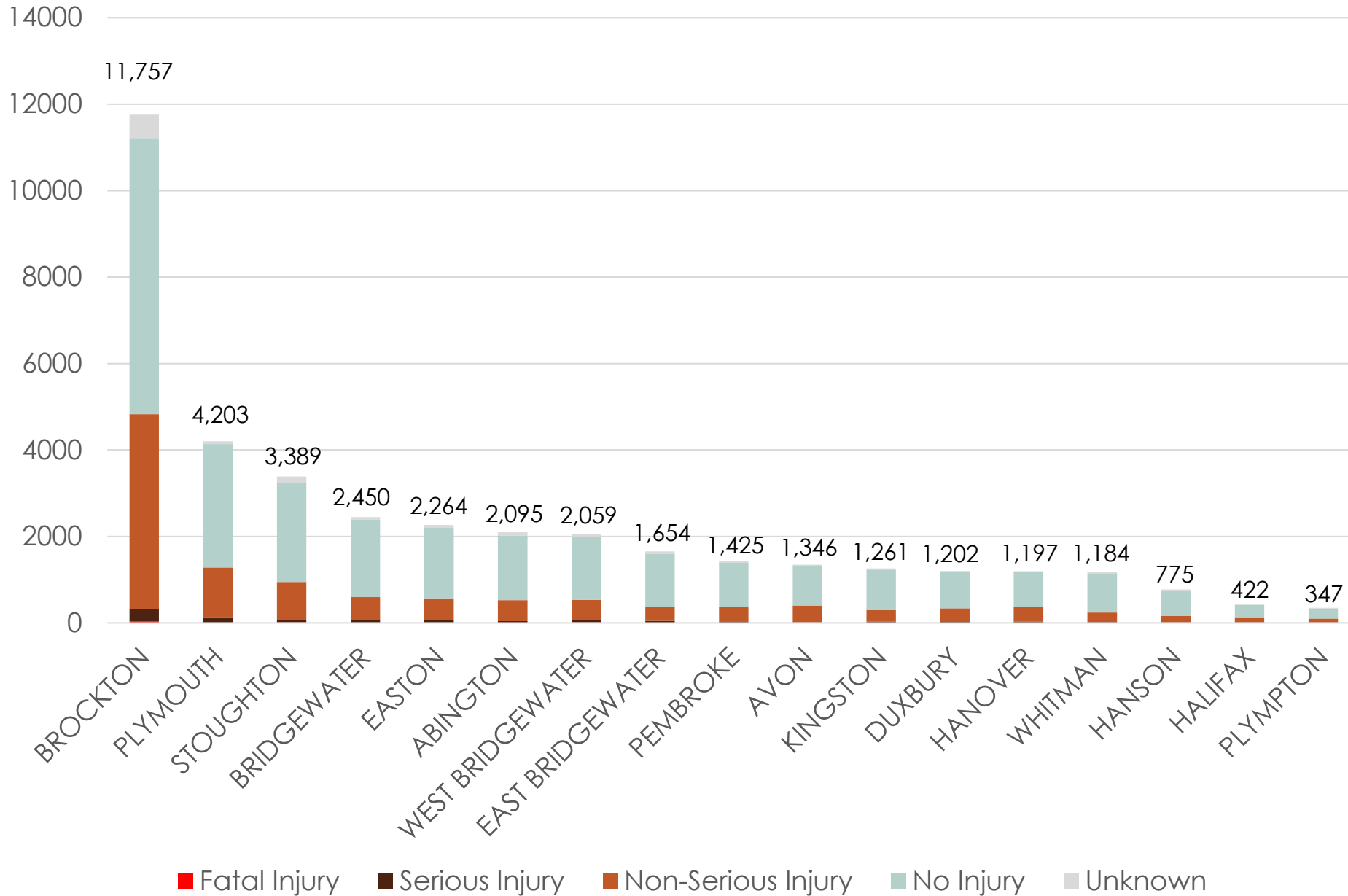


**Angle** crashes

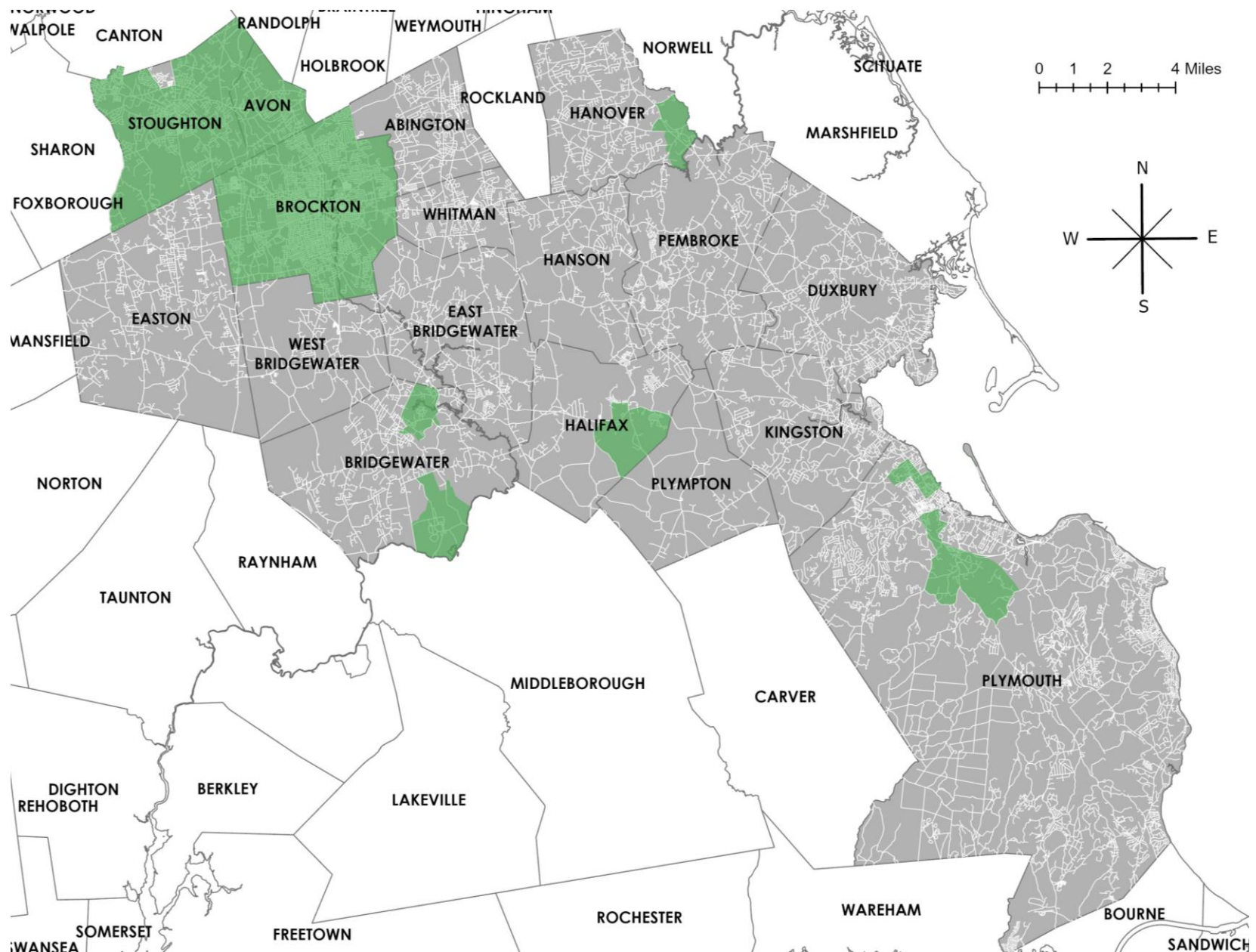


Crashes in **low-light**

# Crashes by Severity by Town



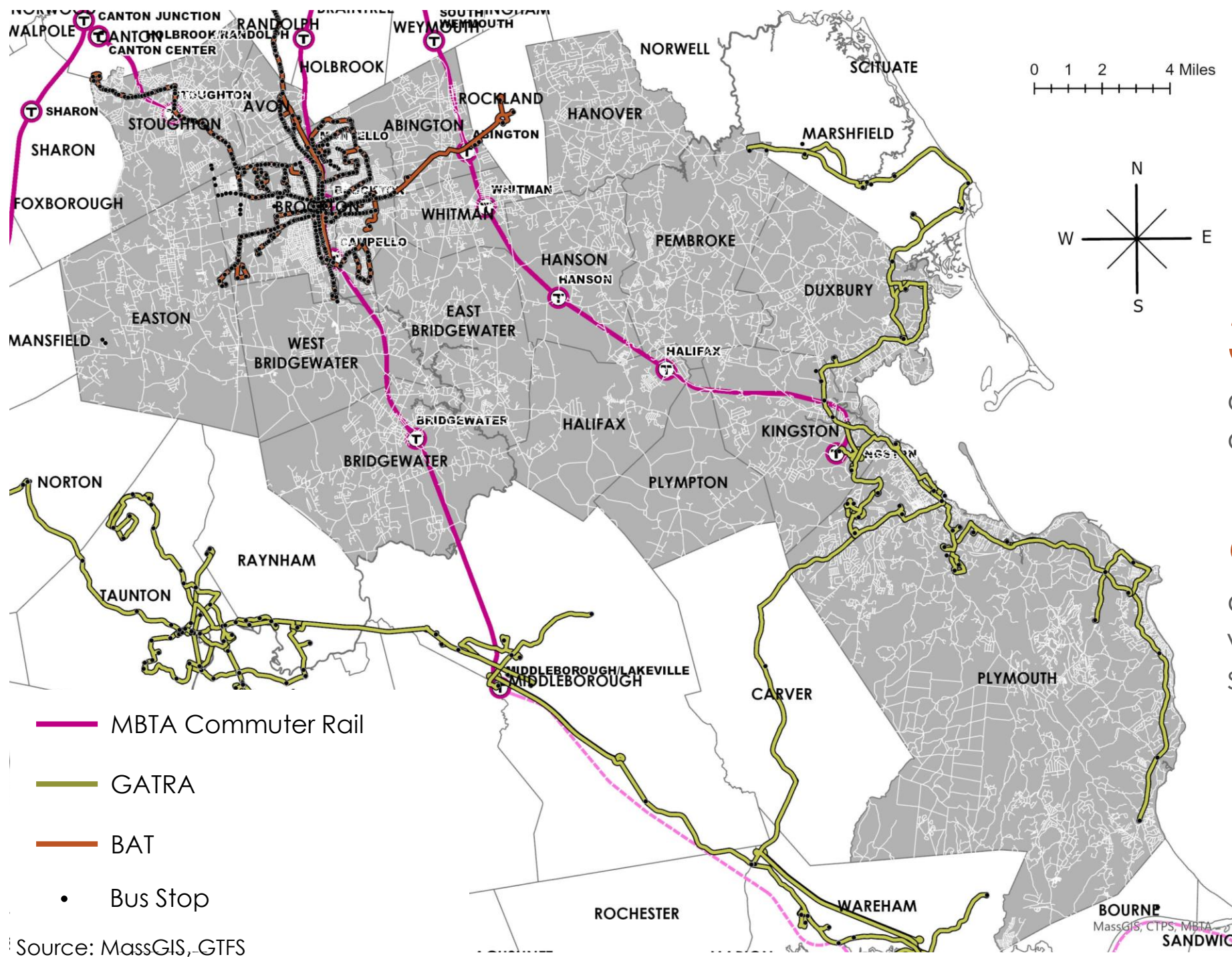
**Brockton had the most crashes (11,757) and the highest percentage of crashes resulting in an injury (40%)**



**45%** of crashes occurred within an EJ community\*

 EJ Communities

\*Only looks at geolocated crashes



**38%** of crashes occurred within .25 miles of transit stop or station

**61%** of crashes with a non-motorist occurred within .25 miles of a transit stop or station

- MBTA Commuter Rail
- GATRA
- BAT
- Bus Stop

Source: MassGIS, GTFS

# Key Points

Drivers ages 15-24 make up **14%** of the population yet are involved in **34.5%** of all crashes.

Drivers ages 65+ make up **26%** of the population yet are involved in **18.4%** of all crashes.

**60%** of crashes occurred **at an intersection.**

# Top Locations - Intersections

## Top Locations (OVERALL)

STREET 1	STREET 2	STREET 3	CITY/TOWN	SCORE	RANK
MAIN STREET	FRANKLIN STREET		BROCKTON	107.25	1
MAIN STREET	LEGION PARKWAY	CENTRE STREET	BROCKTON	96.75	3
WARREN AVENUE	MARKET STREET		BROCKTON	89.25	4
COURT STREET	NORTH MONTELLO STREET	MONTELLO STREET	BROCKTON	86.25	5
FRANKLIN STREET	MONTELLO STREET		BROCKTON	84.75	6
NORTH MAIN STREET	MAIN STREET	COURT STREET	BROCKTON	84.75	6
BELMONT AVENUE	WEST ELM STREET		BROCKTON	81	7
PLYMOUTH STREET	CENTRE STREET		BROCKTON	81	7
LORRAINE AVENUE	BELMONT STREET		BROCKTON	77.25	8
MAIN STREET	SOUTH STREET	PERKINS AVENUE	BROCKTON	77.25	8

## Top Locations (Brockton EXCLUDED)

STREET 1	STREET 2	STREET 3	CITY/TOWN	SCORE	RANK
PURCHASE STREET	TURNPIKE STREET		EASTON	68	12
PURCHASE STREET	WASHINGTON STREET		EASTON	61	17
BROADWAY	COLUMBIA ROAD		HANOVER	51	25
WEST SPRING STREET	EAST SPRING STREET	EAST MAIN STREET	AVON	49.5	27
CENTRAL STREET	WASHINGTON STREET		STOUGHTON	47.25	30
LINCOLN STREET	PLEASANT STREET		STOUGHTON	45	33
OAK STREET	CHURCH STREET		PEMBROKE	37.5	43
WEST MAIN STREET	HARRISON BOULEVARD		AVON	36.75	44
HARRISON BOULEVARD	EAST MAIN STREET		AVON	34.5	47
TURNPIKE STREET	CENTRAL STREET		STOUGHTON	34.5	47



# Top Locations - Segments

## Top Locations (OVERALL)

STREET NAME	CITY/TOWN	SCORE	RANK
PURCHASE STREET	EASTON	128	1
MAIN STREET	BROCKTON	120.75	2
PLEASANT STREET	BROCKTON	115.5	3
EAST NILSSON STREET	BROCKTON	108	4
CENTRE STREET	BROCKTON	108	4
LINDELOF AVENUE	STOUGHTON	102.75	5
NORTH MONTELLO STREET	BROCKTON	99.75	7
WARREN AVENUE	BROCKTON	94.5	10
MARKET STREET	BROCKTON	93.75	11
COURT STREET	BROCKTON	93	12

## Top Locations (Brockton EXCLUDED)

STREET NAME	CITY/TOWN	SCORE	RANK
PURCHASE STREET	EASTON	128	1
LINDELOF AVENUE	STOUGHTON	102.75	5
TECHNOLOGY CENTER DRIVE	STOUGHTON	69	31
HARRISON BOULEVARD	AVON	66	35
TURNPIKE STREET	EASTON	65	37
WASHINGTON STREET	EASTON	62	42
PLEASANT STREET	BRIDGEWATER	60.5	46
COLUMBIA ROAD	HANOVER	58.5	49
CANTON STREET	STOUGHTON	57.75	50
EAST MAIN STREET	AVON	57	51

# Survey Question #3

If you could **choose one intersection or corridor** in your community to improve, what would it be?

Include city or town name.

## Survey Question #3 - If you could choose one intersection or corridor in your community to improve, what would it be? (Include city or town name)

Join by Web

[Pollev.com/ocpc679](https://Pollev.com/ocpc679)

Join by QR code  
Scan with your camera app



# Survey Question #4

**Why did you choose** this intersection or corridor?

## Survey Question #4 - Why did you choose this intersection or corridor?

Join by Web

[Pollev.com/ocpc679](https://Pollev.com/ocpc679)

Join by QR code  
Scan with your camera app



# Interactive Crash Dashboard

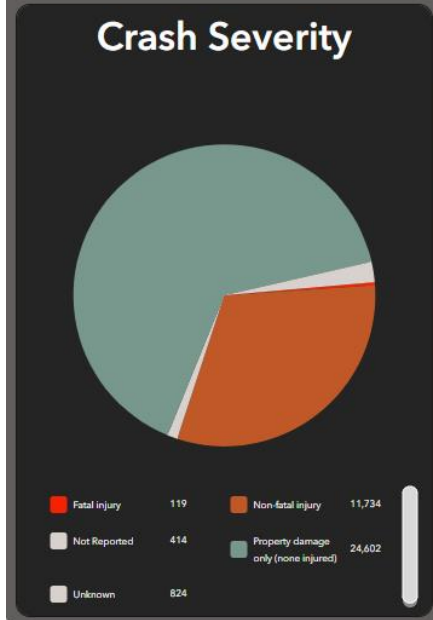
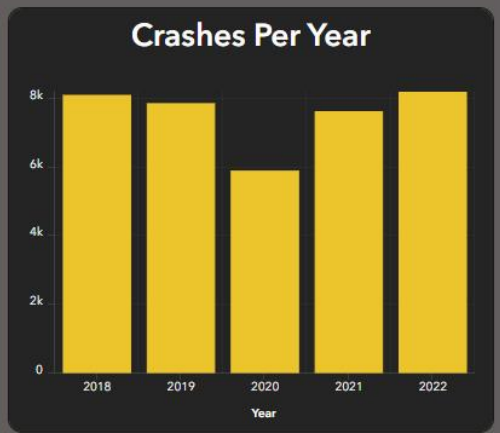
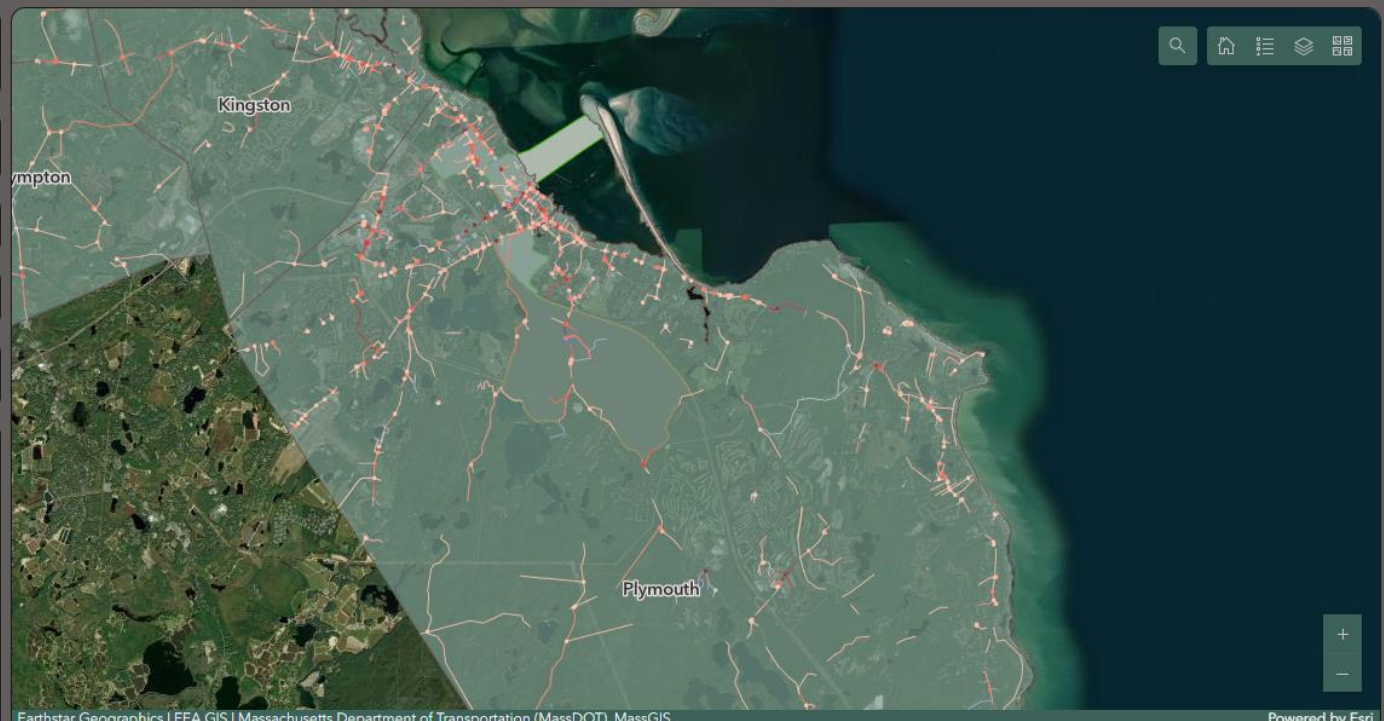
**Total Crashes**  
**37.69k**

**Total Injury Crashes**  
**10.8k**

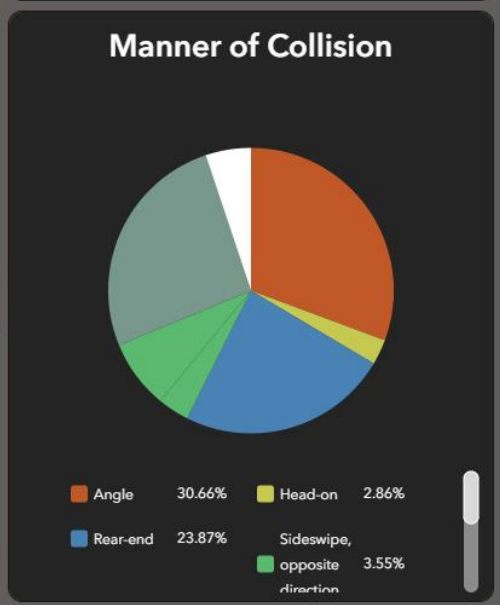
**Total Serious Injury Crashes**  
**854**

**Total Fatal Crashes**  
**119**

**Total Roadway Miles**  
**2.6k**



IntersectionID	City/Town	Street 1	Street 2	Street 3	EJ? (1 = Yes)	Total Serious Injuries	Total Fatal Injuries	Total Non-Serious Injuries	Total Other
11964	BROCKTON	MAIN STREET	FRANKLIN STREET		1	3			37
13060	BROCKTON	MAIN STREET	LEGION PARKWAY	CENTRE STREET	1		1		42
6177	BROCKTON	WARREN AVENUE	MARKET STREET		1	1			53
12204	BROCKTON	COURT STREET	NORTH MONTELLO STREET	MONTELLO STREET	1	4			33
12149	BROCKTON	FRANKLIN STREET	MONTELLO STREET		1	4			32
13014	BROCKTON	NORTH MAIN STREET	MAIN STREET	COURT STREET	1	3			25
13000	BROCKTON	BELMONT AVENUE	WEST ELM STREET		1	4			34



# Safety Countermeasures

Projects, Policies, and Education Strategies

# Proven Safety Countermeasure Examples

## Speeding



4 to 3 lane road diet in Worcester, MA



Speed feedback radar sign

## Conflicting Turning Movements



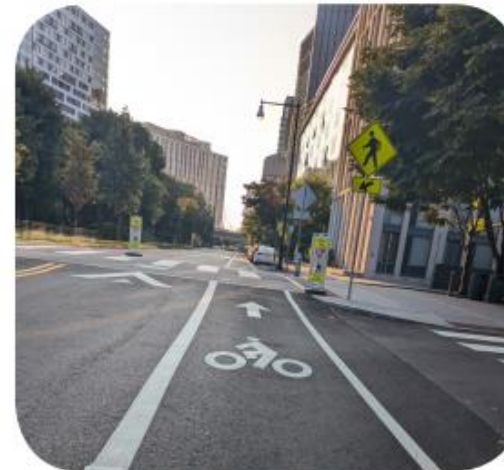
Access management - driveway closure

## Pedestrian Visibility



Curb extensions shorten the pedestrian crossing distance and enhance visibility.

## Bicycle Separation



Bicycle Lane

## Head-On Crashes



Median Barrier



# Survey Question #5

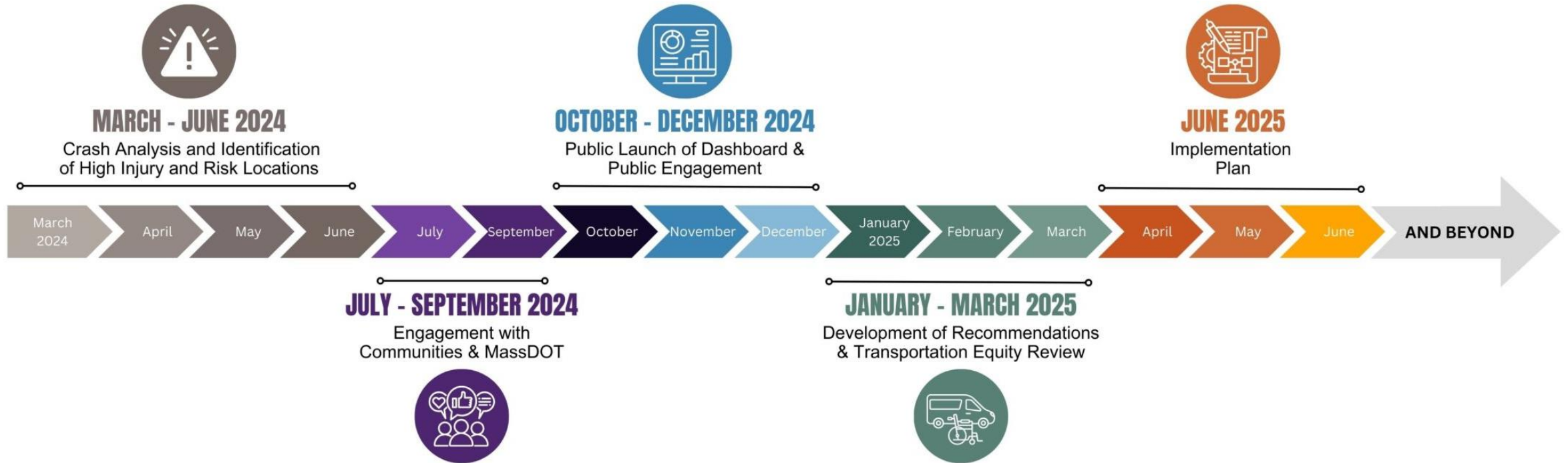
What types of improvements would you like to see at the location you described earlier?

Start the presentation to see live content. For screen share software, share the entire screen. Get help at [pollev.com/app](https://pollev.com/app)

# Any other feedback?

- Contact William McNulty
  - [wmcnulty@ocpcrpa.org](mailto:wmcnulty@ocpcrpa.org)
- Provide feedback on the online public engagement dashboard
  - [OCPC Vision Zero – Website](#)
- View project updates on the OCPC project website
  - [Safe Streets 4 All - Old Colony Planning](#)

# Next Steps



# Open Discussion

OCPC: [wmcnulty@ocpcrpa.org](mailto:wmcnulty@ocpcrpa.org)

BETA Group: [jcentracchio@beta-inc.com](mailto:jcentracchio@beta-inc.com)