

# Public Meetings – Phase II

| April 2025



CAPE COD  
COMMISSION

# VISION ZERO ACTION PLAN CAPE COD



## Agenda

- Project Overview
- Why are we here today?
- Study Process & Timeline
- Components of the Vision Zero Plan
- Overview of Crash Analysis
- What does the Action Plan Consist of?
- Questions & Answers



## Why are we here today?

- To present publicly the Plan's overall goal
- To present overall and typical actions and components to the Plan
- Continue to gather input and feedback



## The Vision Zero Advisory Committee

**Colton Atkinson**

Bike / Community  
Mashpee

**Rob Elfer**

Bike / Safety  
Barnstable

**Kevin Galligan**

Cape Cod MPO  
Orleans

**Latoya Green**

Public Works / Transportation Planning

**Katherine Jansen**

Bike / Pedestrian  
Falmouth

**Colleen Pekrul**

MassDOT Safe Routes to School - Cape Cod Region Liaison

**Sean Polay**

Cape Cod Joint Transportation Committee / Bike  
Sandwich

**Thaddeus Soule**

Municipal Planning  
Provincetown

**Rich Waldo**

Public Works  
Orleans

**Dave Paananen**

Fire  
Barnstable

**Leo Blandford**

Equity / Public Health

**Don Emerson**

Safety / Transportation Planning  
Eastham

**Brad Goodwin**

Planning / Community

**Lieutenant Aram Goshgarian**

Safety  
Harwich

**Eva Orman**

Older Adult Social Services Program Manager

**Sergeant Troy Perry**

Safety  
Barnstable

**Deb Shores**

Transit / Cape Cod Regional Transit Authority

**Alice Thomason Van Oot**

Bike / Complete Streets  
Orleans

**Jane Ward**

Public Health / Bike / Safe Routes to School  
Barnstable



# Project Overview



## What is the Safe Streets and Roads for All (SS4A) Program?

- Federal grant program – U.S. Department of Transportation – Federal Highway Administration (FHWA)
- **Goal:** Create a transportation system and mindset of users and its designers that *eliminates all traffic related fatalities and substantially reduces serious crashes*
- **Includes:** Funding Action Plans (up to \$10M) and Implementation (up to \$25M) grants
- Allows counties and municipalities to apply directly FHWA and not go through DOT and regional agencies
- Cape Cod Commission/Barnstable County was awarded \$240,000 in 2023 to prepare a Vision Zero Action Plan.





CRASH  
~~ACCIDENT~~

change the way we talk about crashes, and in doing so, change the broad cultural perception that crashes are inevitable.





## **What is Vision Zero?**

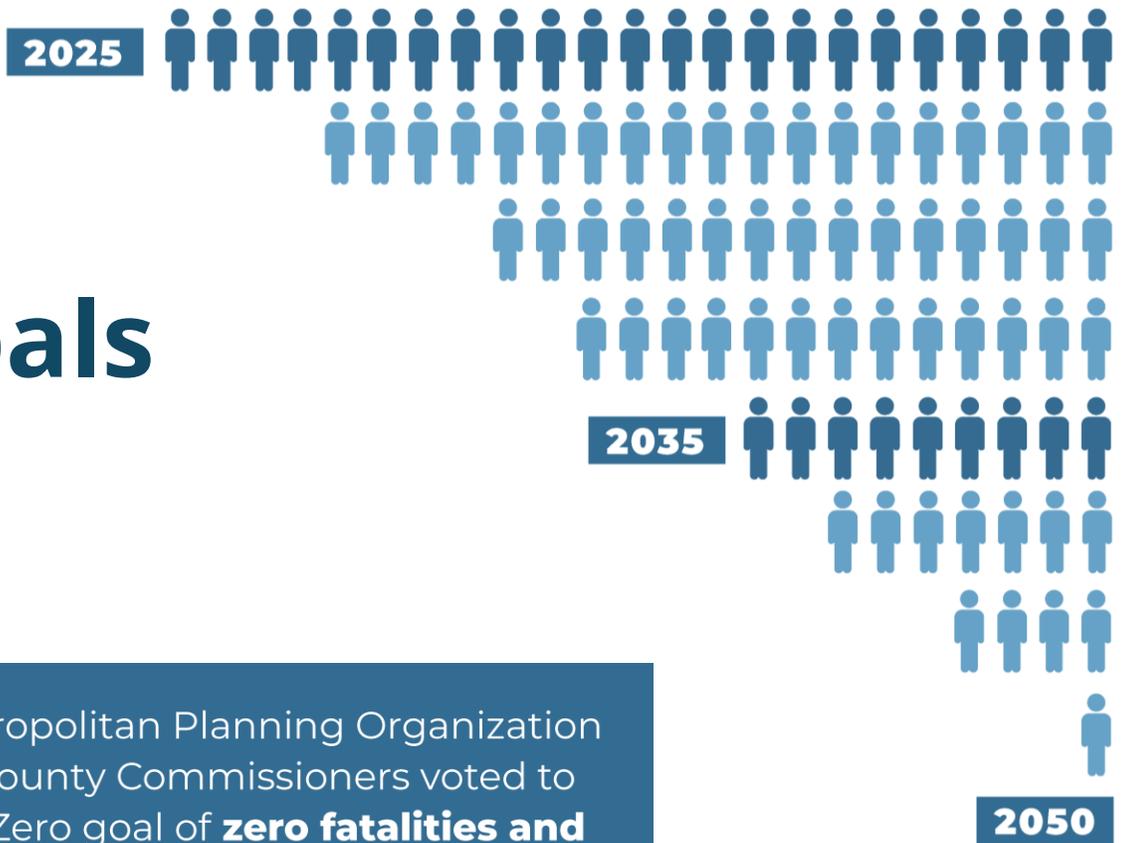
strategy to eliminate all traffic fatalities and severe injuries.



# VISION ZERO ACTION PLAN CAPE COD

## Our Goals

The Cape Cod Metropolitan Planning Organization and Barnstable County Commissioners voted to adopt to a Vision Zero goal of **zero fatalities and serious injuries by 2050**, with an interim goal of **50% reduction in fatalities and serious injuries by 2035**.



# 111

CURRENT TOTAL FATAL AND SERIOUS INJURIES IN 2025

# 56

FATAL AND SERIOUS INJURIES BY 2035

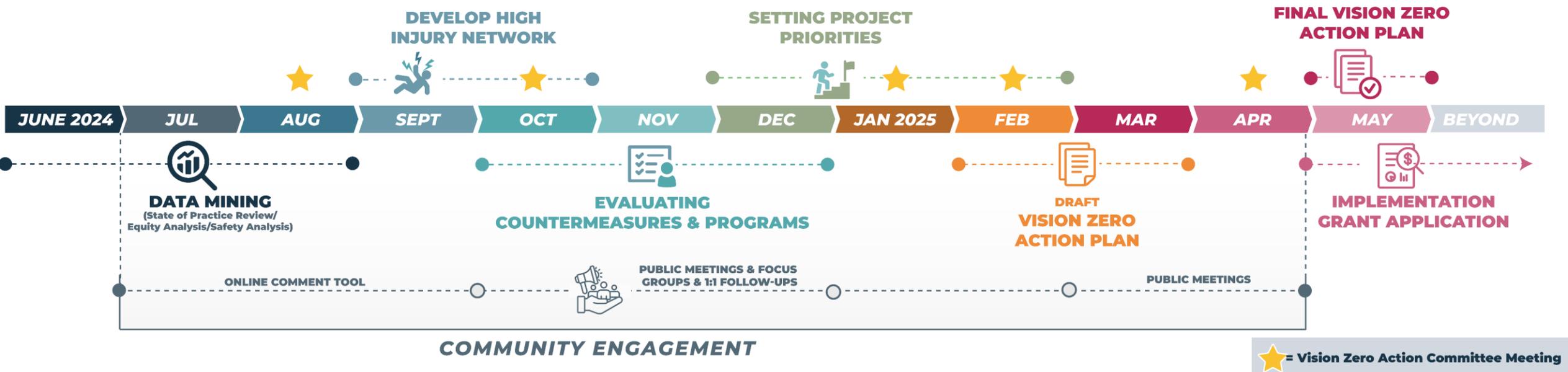
# ZERO

FATAL AND SERIOUS INJURIES BY 2050



# VISION ZERO ACTION PLAN CAPE COD

## Study Process & Timeline





## Listening to the Community Highlights

- Several intersections have shrubbery/vegetation that affects visibility.
- Intersection geometries are confusing and lack guiding signage.
- Connections from neighborhoods to the Cape Cod Rail Trail are poor and there are many uncomfortable trail crossings.
- Many major roads have no sidewalks, and some existing ones are not wide enough for wheelchair/mobility device users.
- Existing bicyclist facilities on certain roadways are uncomfortable due to the roadway characteristics (width of bike lanes, speeding along roadway, traffic).
- Rotaries do not have pedestrian or bicyclist infrastructure.
- A lot of must have to strictly enforce speed limits, use traffic calming techniques, and install additional bicycle facilities.



## Components of the Vision Zero Plan

**Leadership  
Commitment &  
Goal Setting**



**Planning Structure**



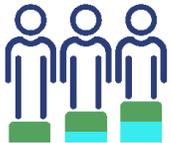
**Safety Analysis**



**Engagement and  
Collaboration**



**Equity  
Considerations**



**Policy and Process  
Changes**



**Strategy and  
Project Selections**



**Progress and  
Transparency**



The left side of the page features four vertical bars of varying heights and colors: dark green, yellow-green, medium blue, and light blue. Each bar contains a white silhouette icon: a car, a motorcycle, a cyclist, and a pedestrian, respectively. The main title is centered on the right side of the page.

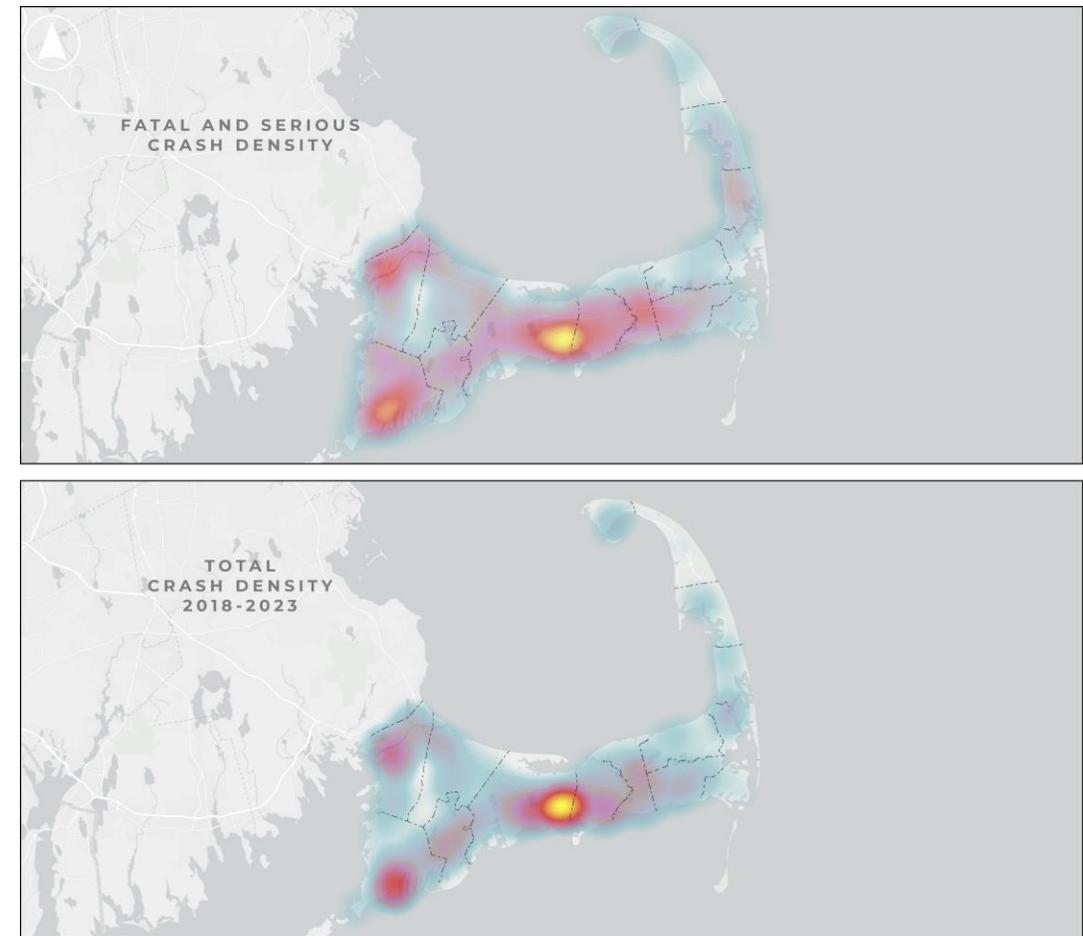
# Overview of Crash Analysis

2018-2023

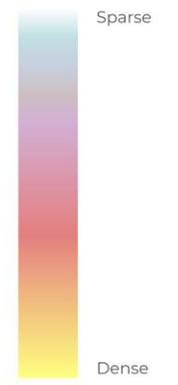


## Crash Trends<sup>1</sup>

- 27,655 crashes were reported for the last six years, 2018-2023
- 667 fatal/serious injuries crashes
  - 75 fatal crashes
  - 592 serious injuries



VISION ZERO ACTION PLAN  
CRASH DENSITY

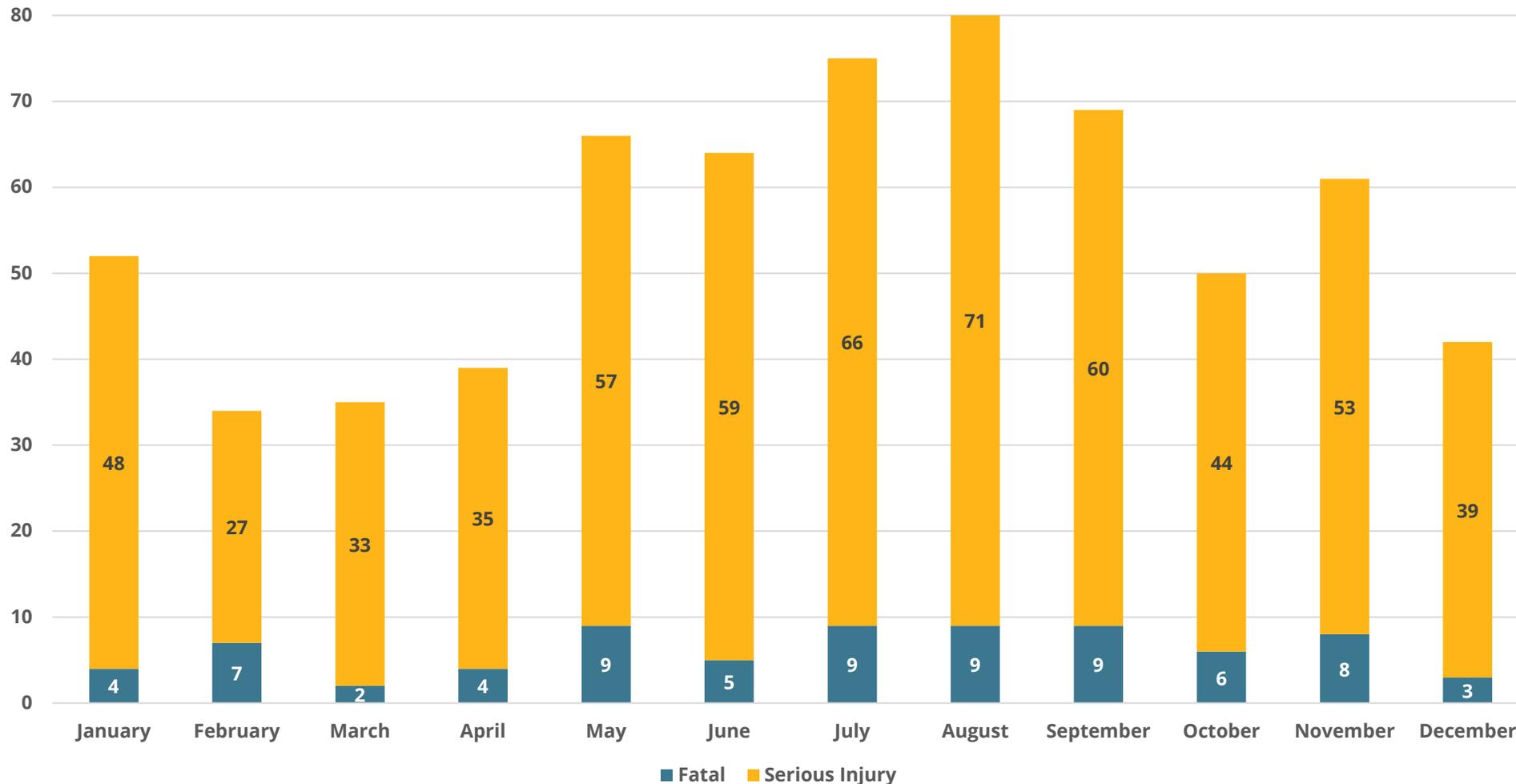


CAPE COD COMMISSION

<sup>1</sup>removal of Route 6 from Sagamore Bridge to Orleans Rotary



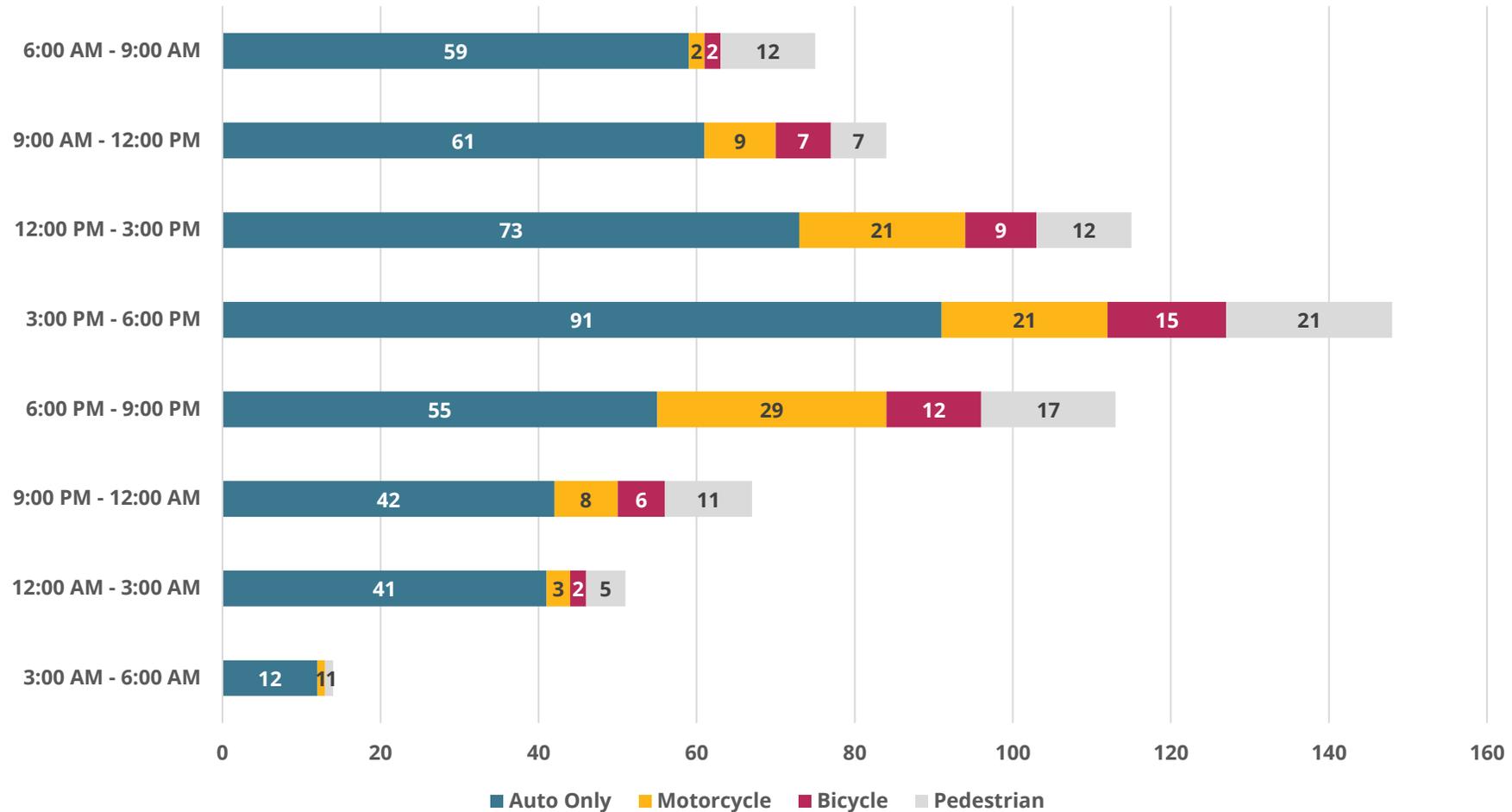
## Monthly (fatal & serious injuries)



53% of the fatal and serious injuries occurred during May to September

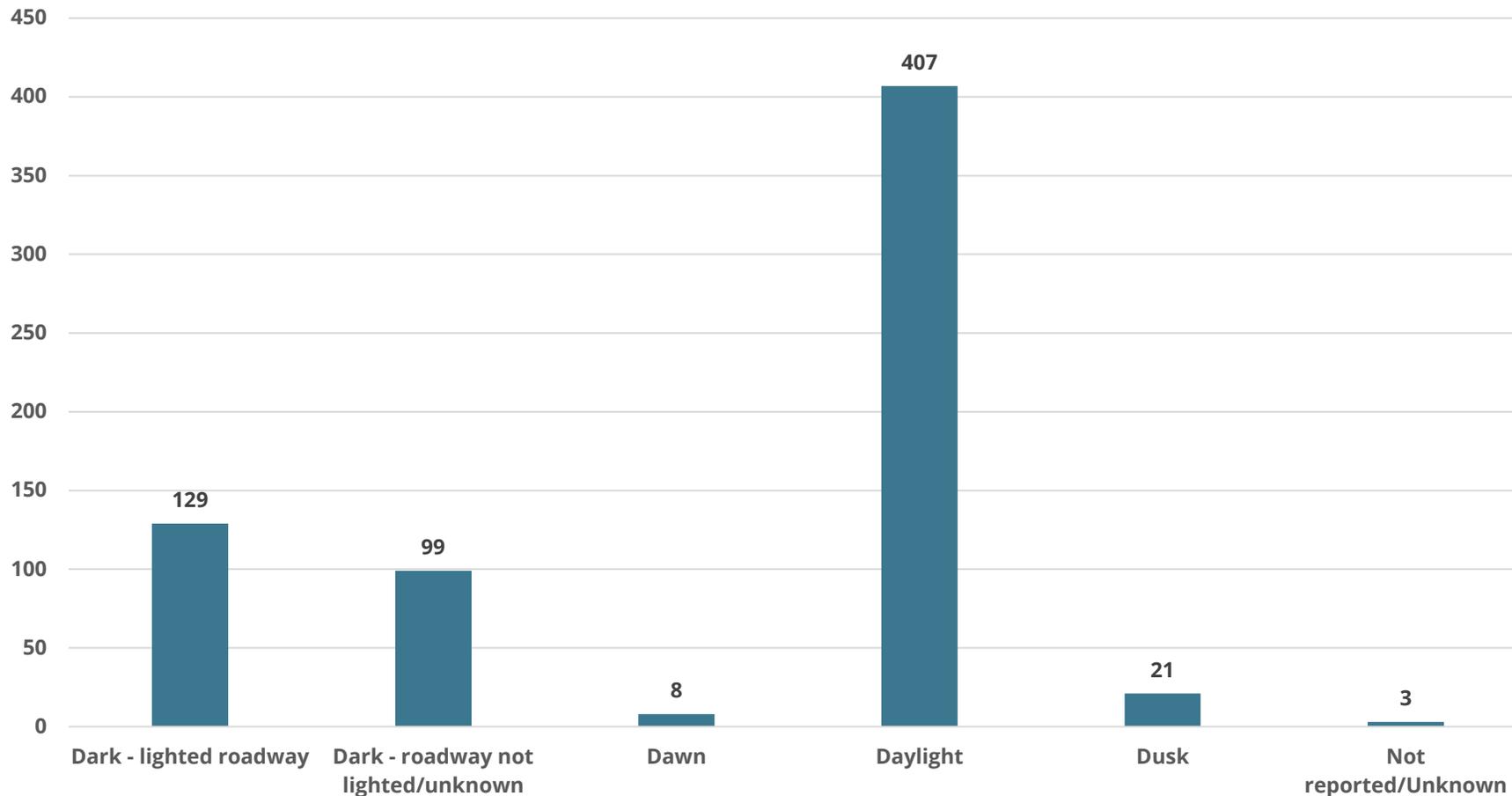


## Time of Day (fatal & serious injuries)





## Lighting Conditions (fatal & serious injuries)



34% of the fatal and serious injuries occurred during dark conditions



## Upper Cape (Bourne, Falmouth, Mashpee, Sandwich)

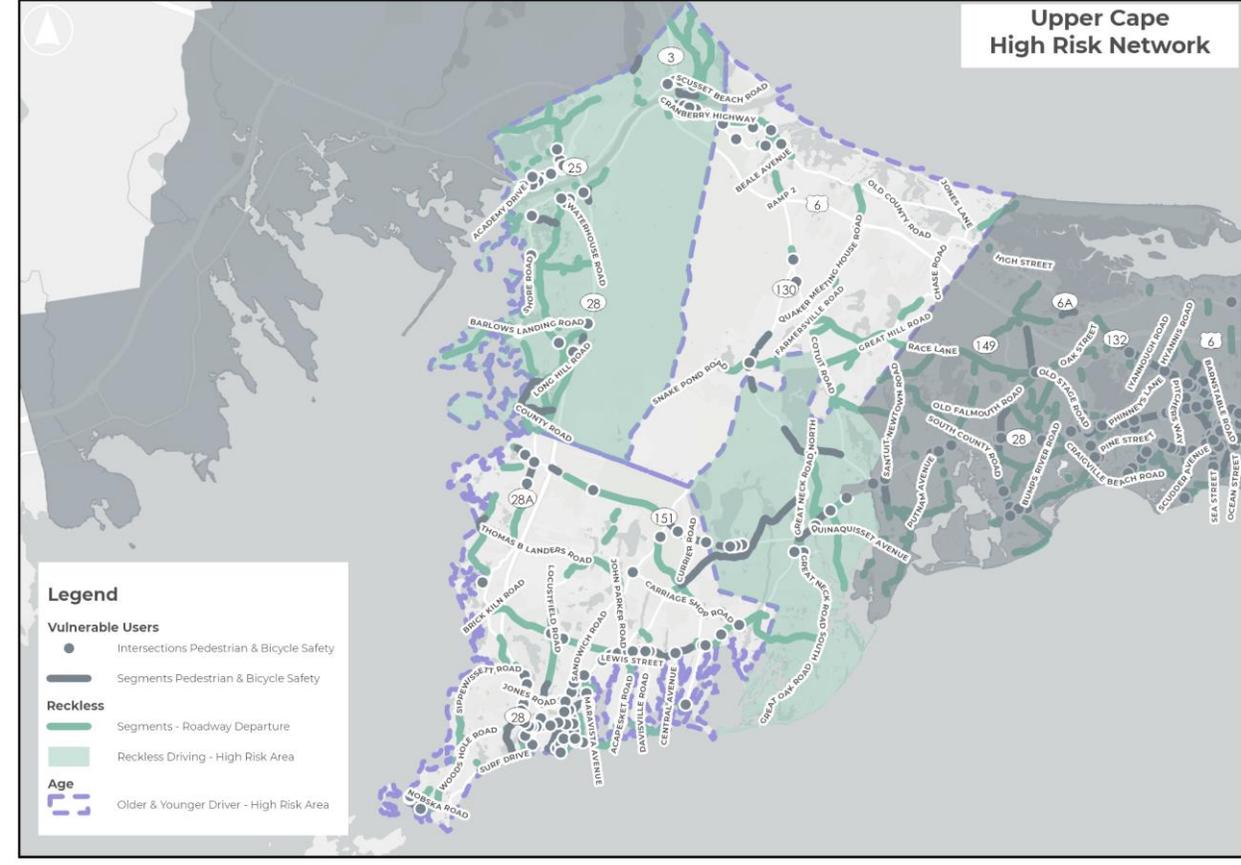
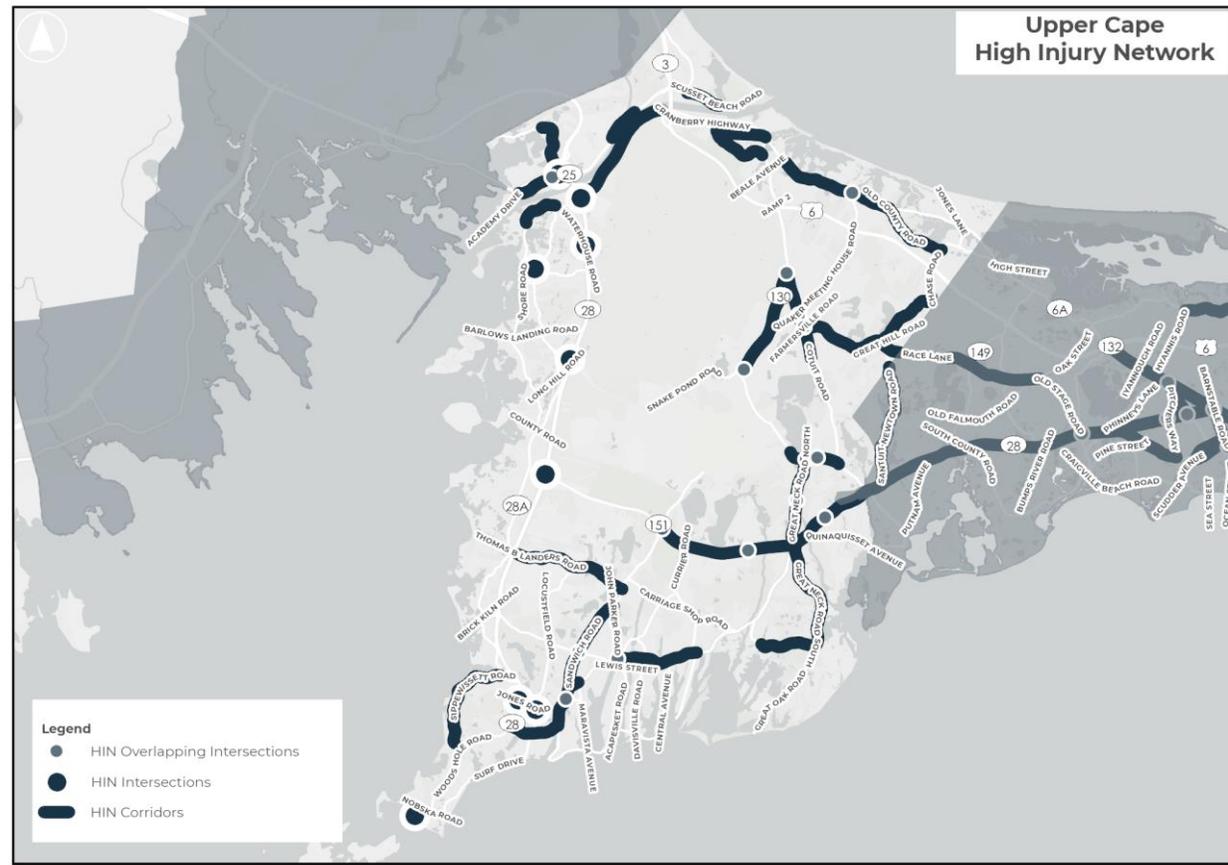
- 11,390 total crashes
- 33 fatal crashes
- 273 serious injury crashes

Town	Total Crashes	Fatal Crashes	Serious Injuries
Bourne	3,560	9	76
Falmouth	4,476	14	121
Mashpee	1,725	5	34
Sandwich	1,629	5	42
<b>Upper Cape's Total</b>	<b>11,390</b>	<b>33</b>	<b>273</b>



# VISION ZERO ACTION PLAN CAPE COD

## Upper Cape (Bourne, Falmouth, Mashpee, Sandwich)





## Lower Cape (Brewster, Chatham, Harwich, Orleans)

- 2,861 total crashes
- 10 fatal crashes
- 57 serious injury crashes

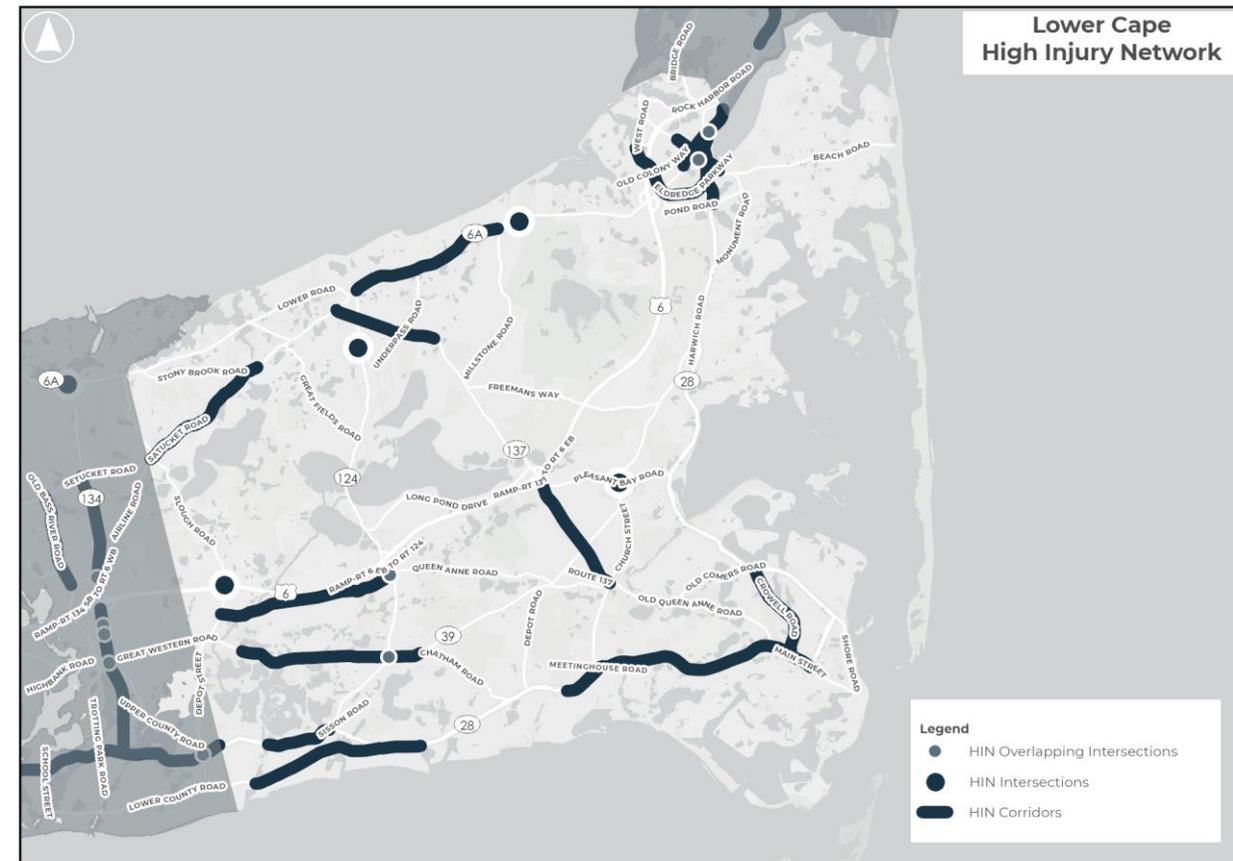
Town	Total Crashes	Fatal Crashes	Serious Injuries
Brewster	682	1	11
Chatham	350	0	9
Harwich	1,311	9	29
Orleans	518	0	8
<b>Lower Cape's Total</b>	<b>2,861</b>	<b>10</b>	<b>57</b>



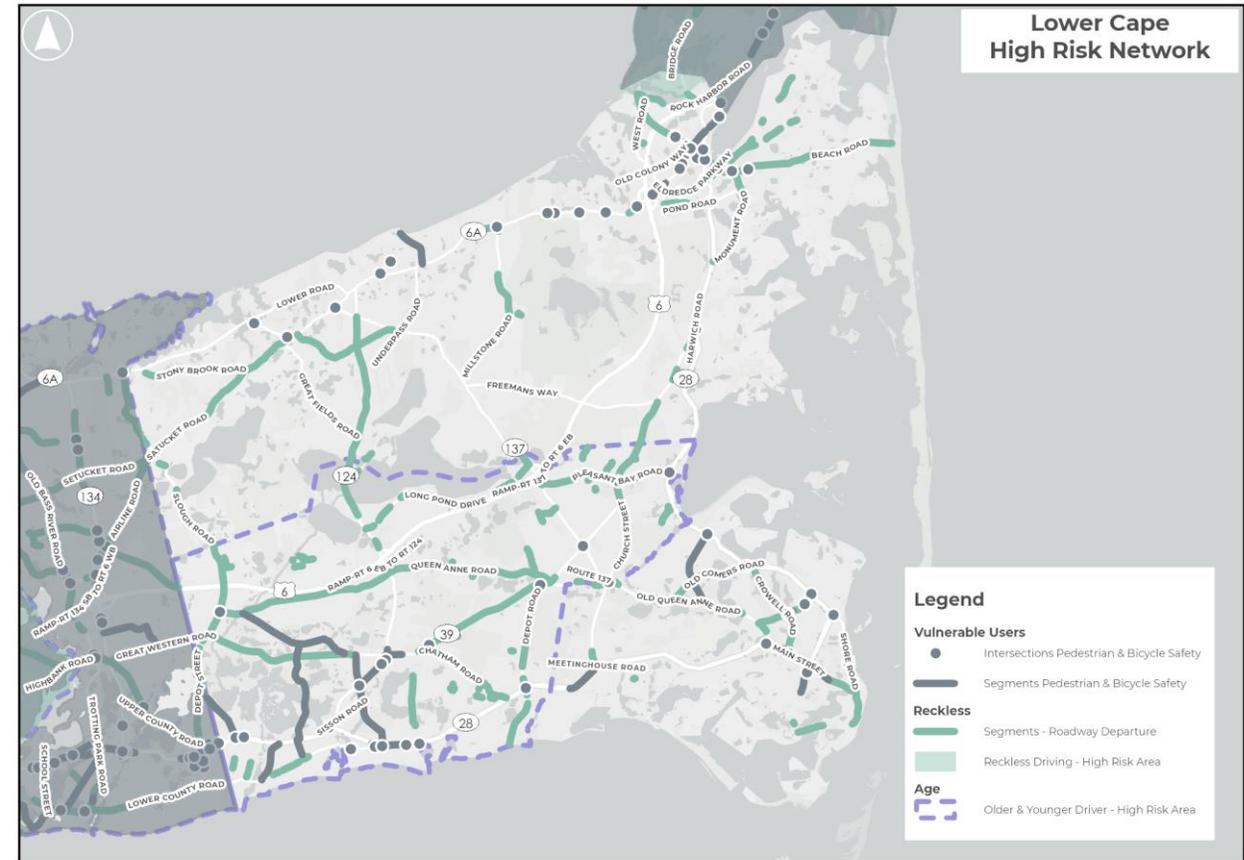
# VISION ZERO ACTION PLAN CAPE COD

## Lower Cape (Brewster, Chatham, Harwich, Orleans)

Lower Cape High Injury Network



Lower Cape High Risk Network





## Mid Cape (Barnstable, Dennis, Yarmouth)

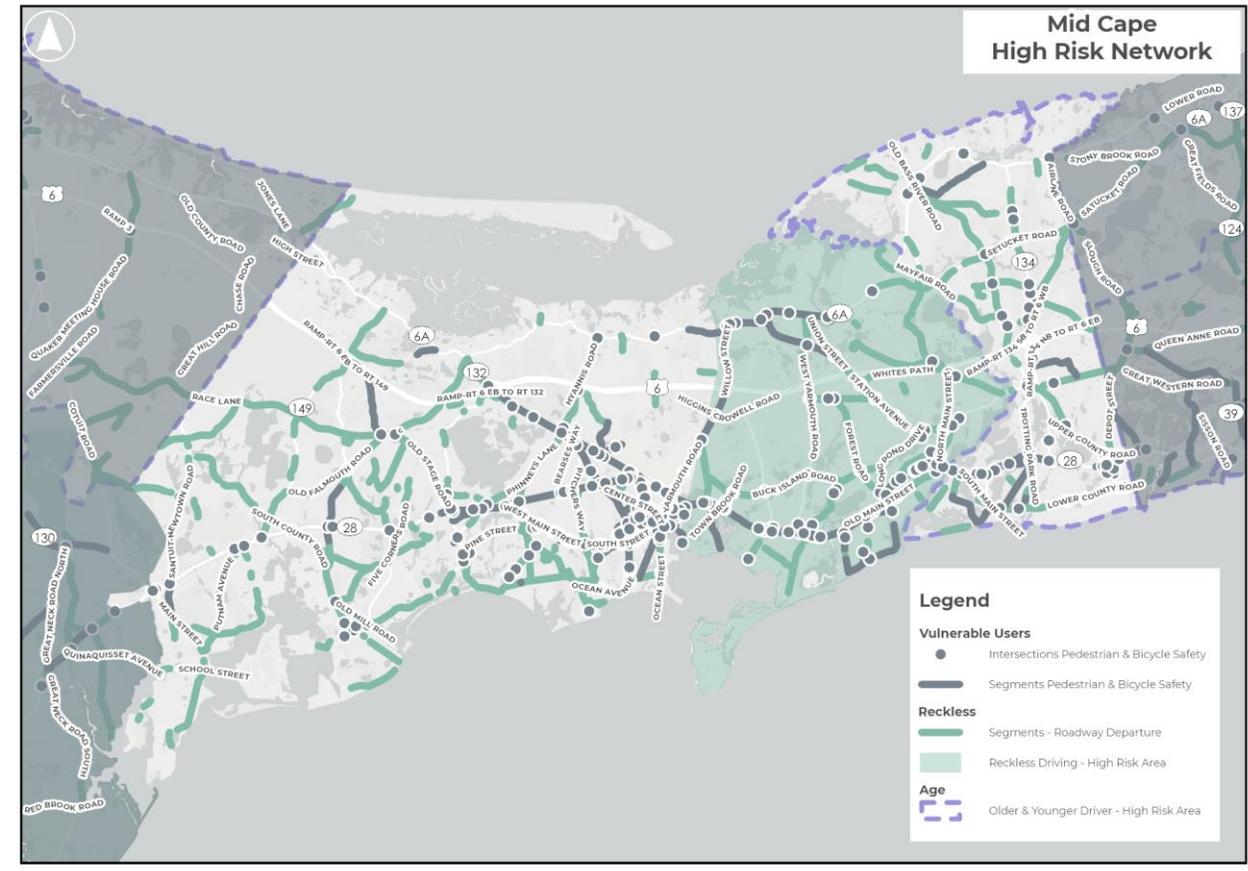
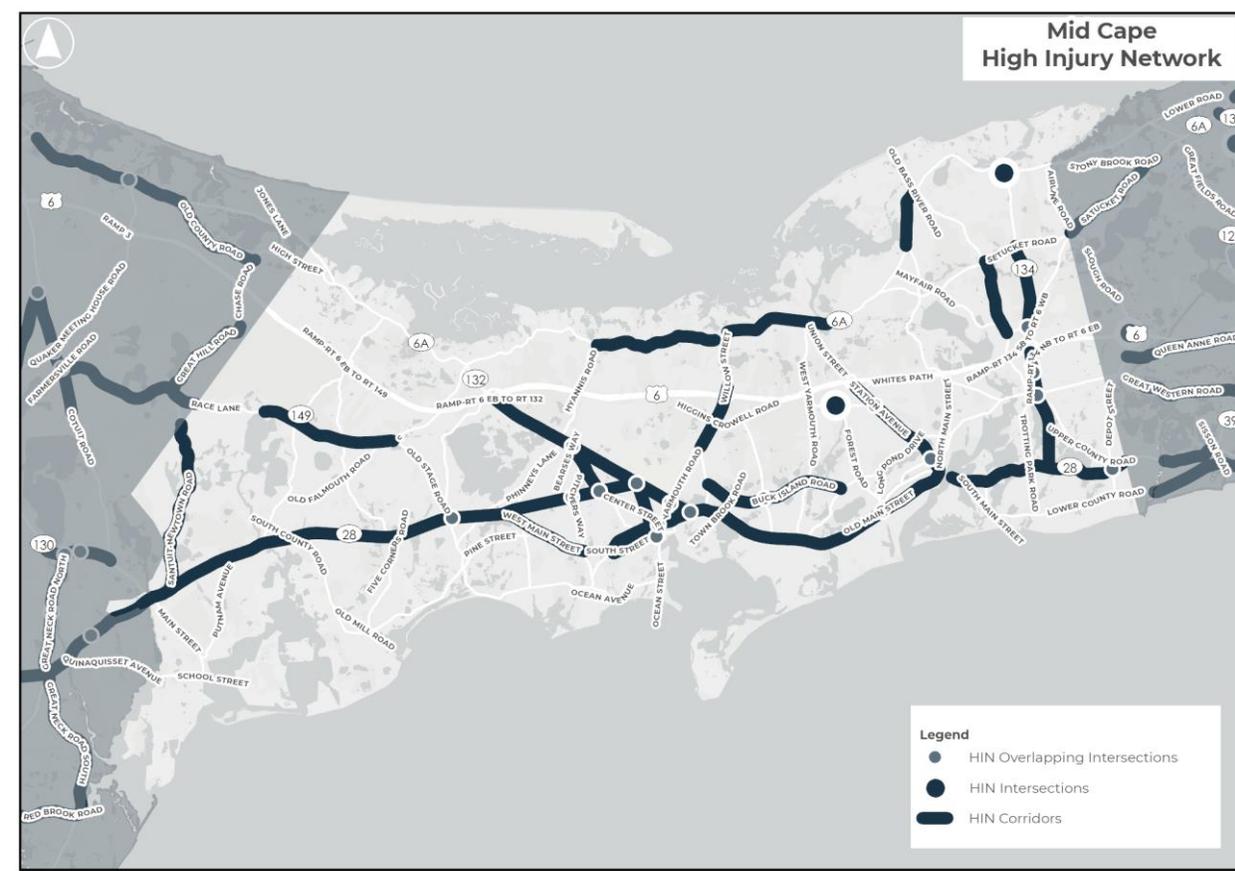
- 11,261 total crashes
- 28 fatal crashes
- 204 serious injury crashes

Town	Total Crashes	Fatal Crashes	Serious Injuries
Barnstable	6,604	15	120
Yarmouth	2,809	8	56
Dennis	1,848	5	28
<b>Mid Cape's Total</b>	<b>11,261</b>	<b>28</b>	<b>204</b>



# VISION ZERO ACTION PLAN CAPE COD

## Mid Cape (Barnstable, Dennis, Yarmouth)





## Outer Cape (Eastham, Wellfleet, Truro, Provincetown)

- 2,143 total crashes
- 4 fatal crashes
- 58 serious injury crashes

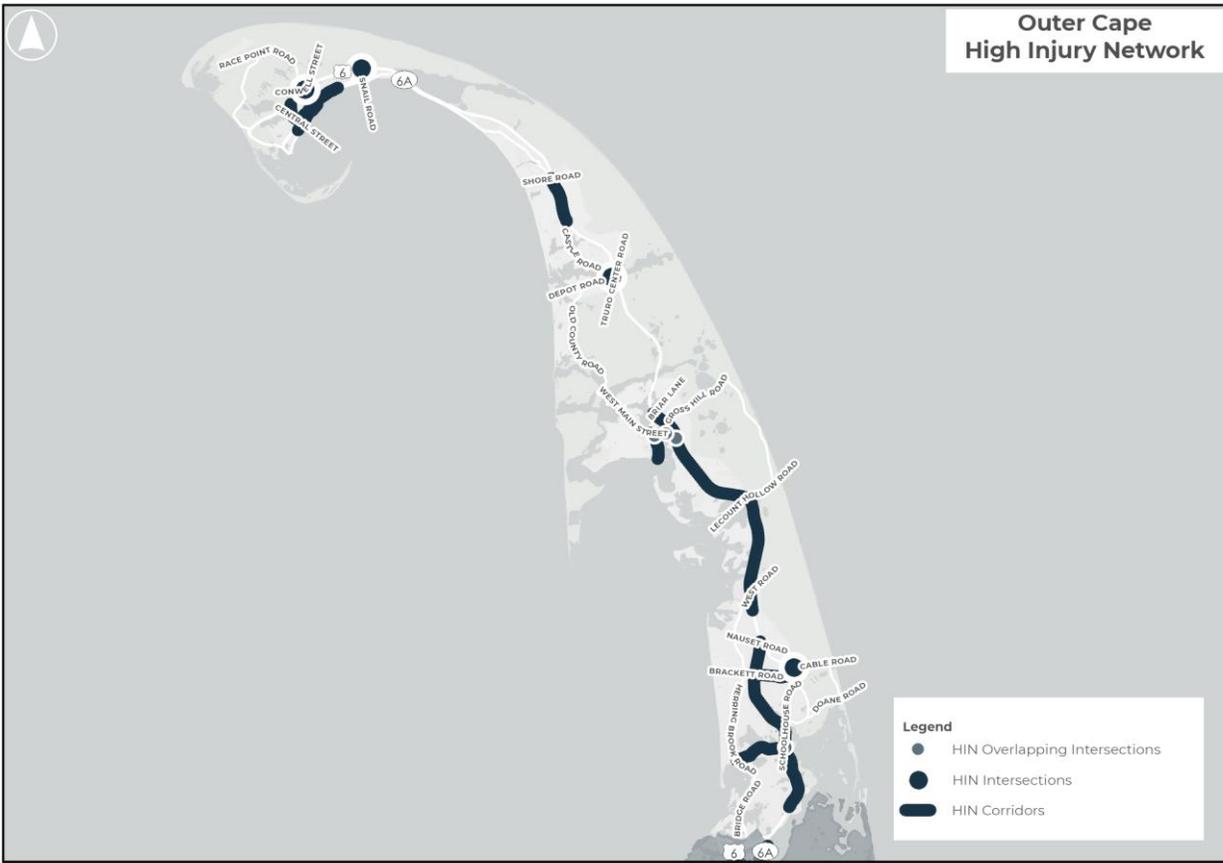
Town	Total Crashes	Fatal Crashes	Serious Injuries
Eastham	798	2	20
Wellfleet	578	1	21
Truro	221	0	8
Provincetown	546	1	9
<b>Outer Cape's Total</b>	<b>2,143</b>	<b>4</b>	<b>58</b>



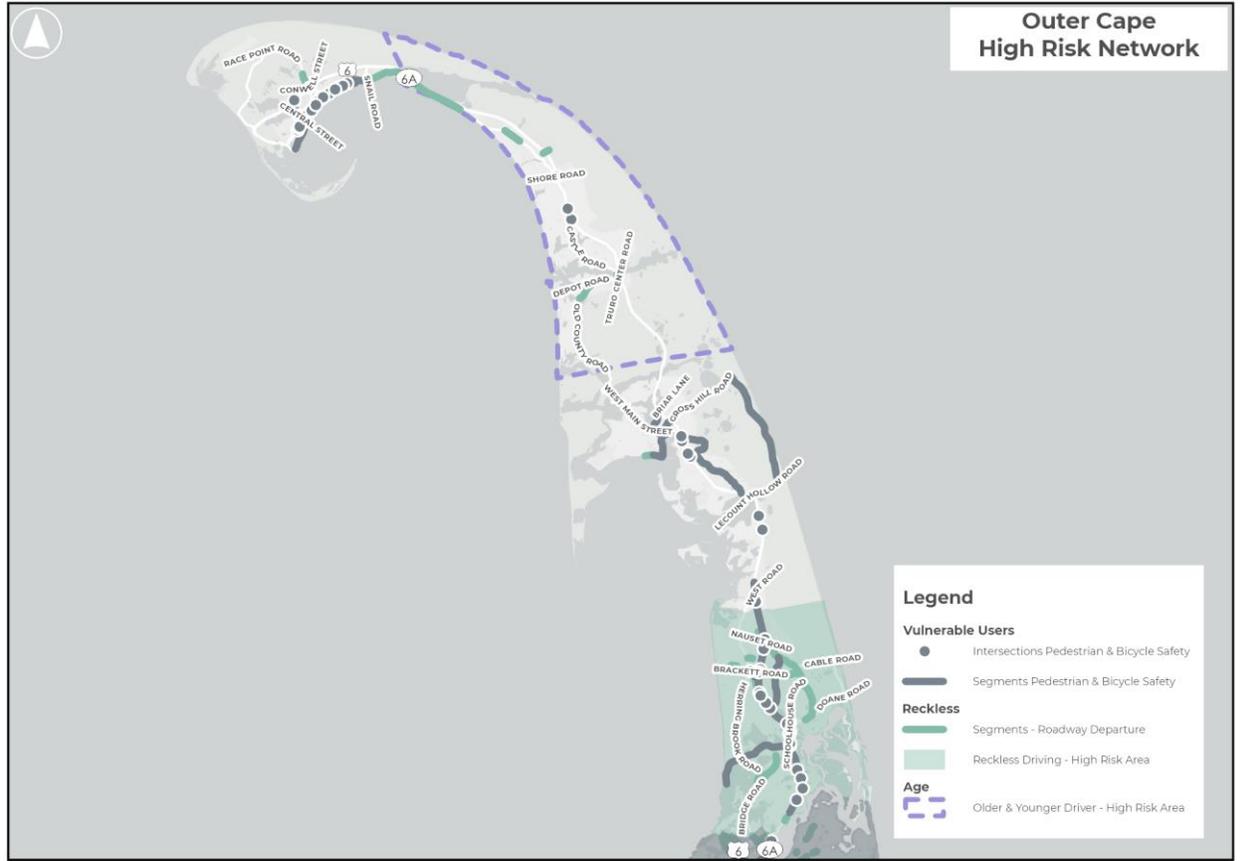
# VISION ZERO ACTION PLAN CAPE COD

## Outer Cape (Eastham, Wellfleet, Truro, Provincetown)

Outer Cape High Injury Network



Outer Cape High Risk Network



# What does the Action Plan Consist of?

Engineering/  
Non-Engineering  
Countermeasures



# Engineering Countermeasures

**VISION** **ZERO** ACTION PLAN **CAPE COD**



## Safety Focus Area

- Speed Management
- Pedestrians/Bicyclists
- Roadway Departure
- Intersections and Driveways
- Crosscutting

### 28 Proven Safety Countermeasures

#### Speed Management



Appropriate Speed Limits for All Road Users



Speed Safety Cameras



Variable Speed Limits

#### Roadway Departure



Enhanced Delineation for Horizontal Curves



Longitudinal Flange Stripes and Stripes on Two-Lane Roads



Median Barriers



Roadside Design Improvements at Curves



Safety Edge™



Wider Edge Lines

#### Intersections



Backlots with Retroreflector Barriers



Corridor Access Management



Dedicated Left- and Right-Turn Lanes at Intersections



Behind-Left-Turn Conflict Intersections



Roundabouts



Systemic Application of Multiple Low-Cost Countermeasures at Stop-Controlled Intersections



Yellow Change Intervals

#### Pedestrian/Bicyclist



Bicycle Lanes



Crosswalk Visibility Enhancements



Leading Pedestrian Interval



Medians and Pedestrian Refuge Islands in Urban and Suburban Areas



Pedestrian Hybrid Beacons



Rectangular Rapid Flashing Beacons (RRFB)



Road Diets (Roadway Configuration)



Walkways

#### Crosscutting



Utility



Local Road Safety Plans



Pavement Condition Management



Road Safety Audit

Source: FHWA



## Recommended Systemic Actions

- Better chevron and curve ahead warning signage on the HIN or high-risk (HRN) roadways
- Consider use of centerline and/or edge line recessed markers and rumble strips to reduce lane departure occurrence
- Install wide fog line markings along 2 lane, winding and dark collector roads
- Street lighting
- Moving obstacles from intersections or close to roadway edges
- Continue the practice of installing more narrow travel lanes (i.e. 10-11 feet in width) during planned resurfacing projects
- Intersection improvements includes tighten curb radii and reducing the amount of pavement
- Install 4-foot passing bike lane signage



## Recommended Systemic Actions

- Intersection "daylighting"
- Consider employing NO TURN ON RED at all locally controlled traffic signals
- Use enhanced STOP control on locations with less than desirable visibility including STOP signs on both sides of street facing approaching traffic and LED flashing lamps on borders
- Enhance visibility of midblock pedestrian crosswalks by using back to back XWalk signs on each side of street
- Use of curb extensions at intersections with high pedestrian movements to reduce crossing distance and slow turning traffic

# VISION ZERO ACTION PLAN CAPE COD

## WELLFLEET

## OUTER CAPE

### Background Information:

- Does not have a Complete Streets Policy (started the process).
- Adopted the State's Statutory 25 Mph Speed Limit.

### Crash Stats (2018-2023)

**578**  
total crashes  
4 pedestrian crashes  
9 bicyclist crashes  
10 motorcyclist crashes

**1**  
fatal crash

**21**  
serious injuries  
3 pedestrian crashes  
3 bicyclist crashes  
1 motorcyclist crash

### Fatal/Serious Injuries

- 23% occurred during dark lighting conditions (lighted roadway/hot lighted)
- 59% occurred under the jurisdiction of MassDOT
- 59% occurred along Principal Arterial – Other Roadways
- 50% of the crashes are single-vehicle crashes
- 18% of the crashes contributing factors were either reckless/steering/impaired
- 2 crashes were collision with tree, 2 crashes were collisions with utility pole, 1 collision with guardrail

### Public Comments

- Vehicles speed to past the traffic light at Route 6 at Marconi Beach Road.
- Add sidewalk facilities along Chequessett Neck Road.
- Needs intersection improvement at Route 6 at Lecount Hollow Road.
- Bike Rental Shops should have bicycle education material pamphlets.
- Extend bike lanes/Cape Cod Rail Trail to Truro.
- Consider the redesign of the entry to the Cape Cod Rail Trail by Lecount Trailhead to improve visibility for cyclists.
- Need to enforce the "Motorists Give 4 Feet to Pass" for the New Vulnerable Road Users Laws (went into effect April 2023). The law requires motorists to pass a vulnerable road user at a "safe passing distance" of at least 4 feet.



High Injury Network

High Risk Network

High Risk Corridors
Grand Army of the Republic Highway (Route 6)
Kendrick Avenue
Main Street
Lecount Hollow Road
Main Street
West Main Street
School Street
Commercial Street

HIN - Corridor/Intersection	Jurisdiction	Length (miles)	Characteristics	Contributing Factors	Potential Countermeasures
A Commercial Street from Kendrick Avenue to Main Street	Local	0.73	<ul style="list-style-type: none"> <li>2-lanes undivided roadway</li> <li>Posted Speed Limit: 25 mph</li> <li>Sidewalk facilities on west side</li> <li>Limited white edge line</li> <li>34 crashes (2 serious injuries, 1 pedestrian)</li> </ul>	<ul style="list-style-type: none"> <li>Failure to keep in proper lane or running off road/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Inattention/ Failed to yield right of way/ Made an improper turn</li> </ul>	<b>Short-Term</b> <ul style="list-style-type: none"> <li>Install advanced warning pedestrian signs for crossing along Commercial Street near Kendrick Avenue, Bank Street</li> <li>Install solar speed feedback signage</li> <li>Intersection improvements Commercial Street at Kendrick Avenue (redesign to reduce pavement/painted stretched of area), Commercial Street at Holbrook Avenue (yield signage for SBR to Holbrook Avenue, potentially removing the right-turn lane), Commercial Street at Bank Street, (redesign the channelized right), Commercial Street at Main Street (yield signage for SBR to Commercial Street)</li> <li>Identify areas near crosswalks to install transverse rumble strips</li> </ul>
					<b>Long-Term</b> <ul style="list-style-type: none"> <li>Install wider edge lines (6 inches)</li> <li>Redesign roadway and include a designated space for pedestrians/cyclists</li> </ul>
B Main Street from Briar Lane to Long Pond Street	Local	0.45	<ul style="list-style-type: none"> <li>2 lanes undivided roadway</li> <li>Sidewalk facilities on both sides</li> <li>Includes Bike Route signage</li> <li>Limited on-street parking</li> <li>53 crashes (1 bicyclist)</li> </ul>	<ul style="list-style-type: none"> <li>Swerving or avoiding due to wind, slippery surface, vehicle, object, vulnerable user in roadway/ Failed to yield right of way/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Inattention/ Distracted</li> </ul>	<b>Short-Term</b> <ul style="list-style-type: none"> <li>Install solar speed feedback signage</li> <li>Intersection improvements Main Street at Long Pond Road (tighten the NWC curb radii and narrow the SB approach to one lane), Main Street at Briar Lane/Holbrook Avenue, Install advanced warning pedestrian signs for crossing by Harding Lane, First Congregational Church, &amp; etc</li> <li>Install advance warnings for horizontal alignment</li> <li>Conduct TMCs and potential AWSC Main Street at Bank Street (sight distance issues Bank Street NB approach) and Main Street at Briar Lane/Holbrook Avenue</li> <li>Potential pavement marking on SE corner (Main/Bank) to discourage parking and slow turns</li> <li>Install shared lane markings with green pavement markings to supplement the Bike Route signage</li> </ul>
					<b>Long-Term</b> <ul style="list-style-type: none"> <li>Accommodating bicyclists with a designated facility</li> <li>Consider a raised intersection or crossings along this road.</li> </ul>
C Route 6 from Eastham Townline to Briar Lane	MassDOT	5.94	<ul style="list-style-type: none"> <li>2-lane undivided roadway</li> <li>Designed bike lanes on both sides</li> <li>300 crashes (1 fatal, 12 serious injuries, 5 bicyclists, 2 pedestrians)</li> </ul>	<ul style="list-style-type: none"> <li>Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Inattention/ Made an improper turn/ Failed to yield right of way/Wrong side or wrong way/ Swerving or avoiding due to wind, slippery surface, vehicle, object, vulnerable user in roadway/ Inattention/ Distracted/ Followed too closely</li> </ul>	<b>Short-Term</b> <ul style="list-style-type: none"> <li>Intersection improvement Route 6 at Main Street TIP 607397, install bike lanes/sidewalks</li> <li>Pavement preservation (resurfacing) TIP 612032, including multimodal accommodations</li> <li>Intersection improvement Route 6 at Lecount Hollow Road (conduct traffic signal warrant), install overhead traffic beacons, advanced warning signage for side street, maintain vegetation, conduct RSA</li> <li>Include traffic calming elements along Route 6 by Wellfleet Chamber of Commerce such as transverse rumble strips &amp; etc</li> <li>Install speed feedback signs</li> </ul>
					<b>Long-Term</b> <ul style="list-style-type: none"> <li>Incorporate elements of the Wellfleet: Route 6 Safety Study</li> <li>Install shared use path along Route 6 Truro-Wellfleet TIP 612540</li> </ul>



# VISION ZERO ACTION PLAN CAPE COD

## A. Commercial Street from Kendrick Avenue to Main Street

**Characteristics:** 2-lanes undivided, 25 mph, sidewalk facilities on west side, 34 crashes (2 serious injuries, 1 pedestrian)

**Contributing Factors:** Failure to keep in proper lane or running off road/ Operating vehicle in erratic, reckless, careless negligent or aggressive manner/Inattention/ Failed to yield right of way/ Made an improper turn

### Short-Term

- Install advanced warning pedestrian signs for crossing along Commercial Street near Kendrick Avenue, Bank Street
- Install solar speed feedback signage
- Intersection improvements Commercial Street at Kendrick Avenue (redesign to reduce pavement/painted stretched of area), Commercial Street at Holbrook Avenue (yield signage for SBR to Holbrook Avenue, potentially removing the right-turn lane), Commercial Street at Bank Street, (redesign the channelized right), Commercial Street at Main Street (yield signage for SBR to Commercial Street)
- Identify areas near crosswalks to install transverse rumble strips

### Long-Term

- Install wider edge lines (6 inches)
- Redesign roadway and include a designated space for pedestrians/cyclists



PROJECT NO.	12/202008
DATE	12/202008
SCALE	AS SHOWN
DRAWN BY	ENR
CHECKED BY	ENR
DATE	
FIGURE NO.	1A
<small>© 2008 KIMLEY-HORN AND ASSOCIATES, INC. 27 WATER STREET, SUITE 200, NEWTON, MA 02459 WWW.KIMLEY-HORN.COM</small>	
<b>VISION ZERO ACTION PLAN SAFE STREETS AND ROADS FOR ALL (SS4A)</b> CAPE COD COMMISSION	
<b>A: COMMERCIAL STREET FROM KENDRICK AVENUE TO MAIN STREET</b>	
<small>MASSGIS00100105</small>	
<small>SHEET NUMBER</small>	





# VISION ZERO ACTION PLAN CAPE COD

## E. Depot Street at Old Chatham Road/Factory Road

**Characteristics:** Depot Street free flow conditions, Chatham Road/Factory Road STOP controlled, 14 crashes (2 fatal crash, 1 serious injury)

**Contributing Factors:** Disregarded traffic signs, signals, road markings/ Failed to yield right-of-way/ Inattention

- | Short-Term   |
|--|
| • Ensure posted signage is at the minimum height (7 feet in urban areas and 5 feet in rural areas) |
| • Tightening of curb radii to slow down traffic  |
| • Conduct TMCs and consideration for AWSC.   |
| • Restripe STOP bars pavement markings with the word STOP  |
| • Install flashing LED STOP signs  |
| • Install perpendicular transverse rumble strips approaching intersection                          |
| • Conduct an RSA   |
| Long-Term  |
| • Install a flashing beacon, yellow for Depot Street and red for Chatham Road/Factory Road         |



<p>DATE: _____</p> <p>REVISIONS:</p> <table border="1"> <tr> <th>No.</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	DATE	BY				<p><b>Kimley-Horn</b></p> <p>CONSULTING ENGINEERS AND ARCHITECTS, INC.</p> <p>271 WAREHOUSES ROAD, SUITE 100, WESTON, MA 02457</p> <p>WWW.KIMLEY-HORN.COM</p>
No.	DATE	BY					
<p>PROJECT TITLE: _____</p> <p>DATE: _____</p> <p>SCALE: AS SHOWN</p> <p>DRAWN BY: _____</p> <p>CHECKED BY: _____</p>							
<p>VISION ZERO ACTION PLAN</p> <p>SAFE STREETS AND</p> <p>ROADS FOR ALL (SS4A)</p> <p>MASSACHUSETTS</p> <p>CAPE COD COMMISSION</p>							
<p>E: DEPOT STREET AT OLD CHATHAM ROAD/FACTORY ROAD</p>							
<p>SHEET NUMBER</p>							

# VISION ZERO ACTION PLAN CAPE COD

## MASHPEE

## UPPER CAPE

### Background Information:

- Adopted Complete Streets Policy in 2018 and Approved Complete Streets Prioritization Plan in 2024
- Prepared the Mashpee Rotary Study (Route 28, Route 151, Great Neck Road North, and Great Neck Road South) in 2020 which serves as a continuation of the previous Route 28 study in Eastern Mashpee that included the Route 130/Route 28 intersection through the Orchard Road/Route 28 intersection.
- Prepared the Route 28 Eastern Mashpee Corridor Study (Route 130 to Orchard Road) in 2018 to develop alternatives that will provide safe and convenient access.

### Crash Stats (2018-2023)



1,725

total crashes

13 pedestrian crashes

15 bicyclist crashes

17 motorcyclist crashes



5

fatal crashes

2 pedestrian crashes

1 motorcyclist crash



34

serious injuries

3 bicyclist crashes

2 motorcyclist crashes

### Fatal/Serious Injuries

46% occurred during dark lighting conditions (lighted roadway/not lighted/unknown)

21% occurred under the jurisdiction of MassDOT

25% occurred along Minor Arterial Roadways and 31% occurred along Principal Arterial – Other Roadways.

54% of the crashes are single-vehicle crashes

62% of the crashes contributing factors were either reckless/speeding/distracted/impaired

9 crashes were collision with tree, 4 crashes were collision with utility pole, 3 collision with unknown fixed object

### Public Comments

- Old Barnstable Road is a two-lane undivided roadway with limited right-of-way, motor vehicles passes bicyclists.
- Main Street/Route 130 is a traveled high speed roadway and the marked pedestrian crosswalk markings by Sturgis Lane/ Baker's Road is close to popular recreational area. Need traffic calming/lower speed limits to facilitate safe crossing.
- Nathan Ellis Highway/Route 151 from Sandwich Road to Old Barnstable Road is a traveled high speed roadway for the commercial and residential area with a lot of side streets to enter/exit, need to install safe crossings.
- Improve the unsignalized intersection of Nathan Ellis Highway/Route 151 at Algonquin Avenue, especially for pedestrians and Great Neck Road 5 at Donna's Lane.
- Install sidewalk facilities along Algonquin Avenue.
- Install a shared-use path along Sandwich Road.
- Main Street/Route 130 at Great Neck Road, convert the NBR from yield controlled to STOP controlled.
- Job's Fishing Road from Route 28 to Nathan Ellis Highway/Route 151 has a jog and is dangerous, consider for realignment.
- Consideration of no left-turns onto Meetinghouse Road from Route 28 and use Asher's Path E for the left-turn movements.
- Consider traffic calming along Great Oak Road especially near Red Brook Drive.



High Injury Network



High Risk Network

High Risk Corridors
Cottuit Road
Falmouth Road (Route 28)
Falmouth-Sandwich Road
Great Neck Road North
Great Neck Road South
Lowell Road
Main Street
Nathan Ellis Highway (Route 151)
Old Barnstable Road
Quinquisset Avenue
Wakeby Road

HIN - Corridor/Intersection	Jurisdiction	Length (miles)	Characteristics	Contributing Factors	Studied/Previous Planning	Potential Countermeasures
<b>A</b> Nathan Ellis Highway (Route 151) from Falmouth Townline to Rotary/Great Neck Road	Local	2.21	<ul style="list-style-type: none"> <li>2-lane undivided roadway</li> <li>Posted Speed Limit: 45 mph</li> <li>Includes white edge lines and shoulders</li> <li>Shared use path on the north side between Old Barnstable Road to Market Street</li> <li>270 crashes (3 fatal, 2 serious injuries, 1 bicyclist, 1 pedestrian)</li> </ul>	<ul style="list-style-type: none"> <li>Distracted traffic signs, signals, road markings/ Failed to yield right of way/ Distracted/ Driving too fast for conditions/ Failure to keep in proper lane or running off road/ Inattention/ Followed too closely/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Swerving or avoiding due to wind, slippery surface, vehicle, object, vulnerable user in roadway</li> </ul>	2024/Complete Streets Project (install bikeped accommodations)	<p><b>Short-Term</b></p> <ul style="list-style-type: none"> <li>Corridor improvements from Falmouth Townline to Old Barnstable Road and reconstruction of the Old Barnstable Road traffic signal. TIP #8986, FY 2025. This project is to include road widening for turn lanes and construction of a sidewalk and shared use path</li> </ul>
<b>B</b> Great Neck Road North from Nathan Ellis Highway (Route 151) to Main Street (Route 130)	Local	2.12	<ul style="list-style-type: none"> <li>2-lane undivided roadway</li> <li>Posted Speed Limit: 45 mph</li> <li>Sidewalk facilities on west side</li> <li>Includes white edge lines and shoulders</li> <li>Includes signage "motorists give 4 feet 10 feet"</li> <li>100 crashes (5 serious injuries, 4 bicyclists)</li> </ul>	<ul style="list-style-type: none"> <li>Distracted traffic signs, signals, road markings/ Distracted/ Failed to yield right of way/ Failure to keep in proper lane or running off road/ Followed too closely/ Inattention/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner</li> </ul>		<p><b>Short-Term</b></p> <ul style="list-style-type: none"> <li>Consider converting the right turn (NBR) yield controlled to STOP controlled and include regulatory sign. Stop here for Pedestrians (R-5) Great Neck Road North at Main Street (Route 130). Intersection will be converted to a roundabout</li> <li>Install retroreflective backplates, signal timing optimization, pedestrian phasing Great Neck Road at Lowell Road</li> <li>Tighten curb radii for NBR Great Neck Road North at Meetinghouse Road</li> <li>Install transverse perpendicular lines by the Collins Lane crosswalk marking</li> </ul> <p><b>Long-Term</b></p> <ul style="list-style-type: none"> <li>Identify geometric changes Great Neck Road North at Meetinghouse Road</li> <li>Convert Great Neck Road North at Main Street (Route 130) to a roundabout</li> </ul>
<b>C</b> Great Neck Road South from Red Brook Road to Nathan Ellis Highway (Route 151)	Local	2.68	<ul style="list-style-type: none"> <li>2-lane undivided roadway</li> <li>Posted Speed Limit: 45 mph</li> <li>Includes white edge lines and shoulders</li> <li>Limited sidewalk facilities</li> <li>56 crashes (3 serious injuries, 1 bicyclist, 1 pedestrian)</li> </ul>	<ul style="list-style-type: none"> <li>Distracted traffic signs, signals, road markings/ Failed to yield right of way/ Distracted/ Exceeded authorized speed limit/ Careless/ Fatigued/ Impaired/ Failure to keep in proper lane or running off road/ Followed too closely/ Inattention/ Swerving or avoiding due to wind, slippery surface, vehicle, object, vulnerable user in roadway</li> </ul>	Complete Streets Project (extend existing multi-use path)	<p><b>Short-Term</b></p> <ul style="list-style-type: none"> <li>Identify areas to install solar radar speed feedback signs</li> <li>Install RFBs at existing midblock crosswalks</li> <li>Conduct AVSC Great Neck Road at Donna's Lane</li> <li>Identify intersection improvements Great Neck Road at Red Brook Road (SB free-flow), and potentially AVSC, install orientator/bollards</li> <li>Consider traffic calming especially near Red Brook Drive</li> </ul> <p><b>Long-Term</b></p> <ul style="list-style-type: none"> <li>Extend existing multi-use path</li> </ul>
<b>D</b> Main Street (Route 130) from Ashmet Road to Cottuit Road	Local	1.31	<ul style="list-style-type: none"> <li>2-lane undivided roadway</li> <li>Posted Speed Limit: 35/40/45 mph</li> <li>Includes white edge lines and shoulders</li> <li>130 crashes (2 serious injuries, 3 bicyclists)</li> </ul>	<ul style="list-style-type: none"> <li>Distracted/ Followed too closely/ Inattention/ Driving too fast for conditions/ Failed to yield right of way/ Distracted/ Exceeded authorized speed limit/ Failure to keep in proper lane or running off road/ Distracted traffic signs, signals, road markings/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner</li> </ul>	Complete Streets Project (crosswalk improvements, install RFB, construct ADA curb ramps)	<p><b>Short-Term</b></p> <ul style="list-style-type: none"> <li>Install RFB along Main Street (Route 130) by Lake Avenue</li> <li>Identify areas to install solar radar speed feedback signs</li> <li>Consider regulatory speed limits along corridor</li> </ul>
<b>E</b> Red Brook Road from Falmouth Townline to Great Neck Road	Local	1.42	<ul style="list-style-type: none"> <li>2-lane undivided roadway</li> <li>Posted Speed Limit: 40/30 mph</li> <li>Includes white edge lines and shoulders</li> <li>23 crashes (3 serious injuries)</li> </ul>	<ul style="list-style-type: none"> <li>Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Failed to yield right of way/ Manually operating an electronic device</li> </ul>	Complete Streets Project (install speed feedback signs, install sharrows, provide bike lanes)	<p><b>Long-Term</b></p> <ul style="list-style-type: none"> <li>Install edge line rumble strips (minimize impacts to bicyclists/walkers who uses the shoulders as a bicycle facility)</li> </ul>
<b>F</b> Falmouth Road (Route 28) from Great Neck Road to Barnstable Townline	MassDOT	1.50	<ul style="list-style-type: none"> <li>2-lane undivided way</li> <li>Posted Speed Limit: 50 mph</li> <li>Includes white edge lines and narrow shoulders</li> <li>227 crashes (2 fatal, 5 serious injuries, 1 bicyclist, 2 pedestrians)</li> </ul>	<ul style="list-style-type: none"> <li>Followed too closely/ Driving too fast for conditions/ Failure to keep in proper lane or running off road/ Failed to yield right of way/ Inattention</li> </ul>	Planning – Other Study (multimodal improvements and intersection improvement)	<p><b>Short-Term</b></p> <ul style="list-style-type: none"> <li>Identify areas to install solar radar speed feedback signs</li> <li>Install motorists give four feet to pass signage</li> <li>Consideration of no left turns onto Meetinghouse Road from Route 28 and use Asher's Path E traffic signal for the left turn movements</li> </ul> <p><b>Long-Term</b></p> <ul style="list-style-type: none"> <li>Corridor improvements on Route 28 including rotary retrofits TIP 6197/8</li> <li>Install pedestrian signal crossings and sidewalks at Route 28 at Orchard Road (Route 28 Eastern Mashpee Study)</li> </ul>



# VISION ZERO ACTION PLAN CAPE COD

## FALMOUTH

## UPPER CAPE

### Background Information:

- Adopted Complete Streets Policy in 2019 and Approved Complete Streets Prioritization Plan in 2022
- 2022 - Town of Falmouth \$16,201.85 grant: construction of a sidewalk on Dillingham Avenue Extension from Hamlin Avenue to Lawrence School.
- 2024 Downtown Parking Management Plan.
- Wayfinding Signage Plan identified as a need by Transportation Management Committee in 2023.
- 2016 Transportation Master Plan for Route 28/Main Street.
- Has a Bicycle and Pedestrian Committee
- Has a Traffic Advisory Committee

### Crash Stats (2018-2023)



### Fatal/Serious Injuries

- 39% of the fatal/serious injuries occurred during dark conditions (lighted roadway/lighted)
- 29% of the fatal/serious injuries occurred under the jurisdiction of MassDOT
- 33% occurred along Minor Arterial Roadways and 38% occurred along Principal Arterial - Other Roadways.
- 46% of the crashes are single-vehicle crashes.
- 34% of the crashes contributing factors were either reckless/unsafe driving/obstructed/impaired
- 9 crashes were collision with utility pole, 22 crashes were collision with tree, 1 crash was collision with guardrail

### Public Comments

- Need for multi-use paths and more barrier protected bike lanes (other than and connected to Shining Sea Bikeway).
- Concern with drivers exceeding speed limits, need for reduced speed limits in heavy pedestrian areas.
- On street parking concerns, vehicles reducing sightlines and visibility for crosswalks, dangerous for pedestrians.
- Public is open to traffic circles/roundabouts in areas with heavy left hand turn traffic.
- Speeding concern: want traffic calming measures and speed deterrents across town.
- Desire for formalized transit stops.



### High Risk Corridors

- Brick Kiln Road
- Carriage Shop Road
- Central Avenue
- Davis Straits
- East Falmouth Highway
- Falmouth Heights Road
- Gifford Street
- Grand Avenue
- Hatchville Road
- Hayway Road
- Jones Road
- Katherine Lee Bates Road
- Main Street
- Maravista Avenue
- Menahant Road
- Nathan Ellis Highway
- Palmer Avenue
- Quaker Road
- Scranton Avenue
- Shore Street
- Sippewissett Road
- Woods Hole Road
- Worcester Court

HIN - Corridor/Intersection	Jurisdiction	Length (miles)	Characteristics	Contributing Factors	Studied/Previous Planning	Potential Countermeasures
<b>A</b> Water Street at Railroad Avenue	MassDOT		Three-legged unsignalized intersection Railroad Avenue is one-way towards Water Street, and is under YIELD control. On-street parking is present on both Water Street and Railroad Avenue, and sidewalks are present on both sides of both streets. 37 crashes	Physical impairment (illness); Operating vehicle in erratic, careless, negligent or aggressive manner (intoxication)		Short-Term - Implement actions from RSA (July 2024) - Change YIELD control to STOP control - Narrow roadway and construct sidewalk on south side of Railroad Avenue - Construct curb bump-outs to better define intersection and create separation from nearby Crane Avenue intersection - Restrict a few parking spots on both side of Water Street in close proximity to the intersection to improve sight line
<b>B</b> Route 28 at Jones Road / Worcester Court	MassDOT		Signalized four-legged intersection, with exclusive left turn lanes on all approaches. On-street bicycle lanes on Route 28. Sidewalks present on all four corners of intersection. - 57 crashes (2 bicycle crashes)	Operating vehicle in erratic, careless, negligent or aggressive manner (intoxication); Failed to Yield right of way; Disregarded traffic signs, signals and road markings; Failure to keep in proper lane or running off road; Made an improper turn; Followed too closely		Short-Term - Create bike boxes and/or two-stage left turn bike boxes - Repave on-street bicycle lanes and construct sidewalk level bike lanes - Install bicycle signal heads - Install high-visibility bike lane extensions through intersection - Provide left turn dotted extension lines for left-turning vehicles
<b>C</b> Jonah Road at Gifford Street	Local		Signalized four-legged intersection, with single lane approaches on all four legs. Sidewalks are present on both sides of Jones Road, and on the west side of Gifford Street - 32 crashes (1 bicycle crash)	Failed/Video: Exceeded authorized speed limit Distraction; Operating vehicle in erratic, careless, negligent or aggressive manner (intoxication); Failed to Yield right of way; Disregarded traffic signs, signals and road markings; Failure to keep in proper lane or running off road; Followed too closely		Long-Term - Consider single-lane roundabout - Educate town about bike lane and roundabouts
<b>D</b> Route 151 at Route 28 Bump	MassDOT		This interchange consists of two unsignalized intersections on Route 151. Both intersections provide high speed channelized right turn lanes for all right turning movements. - 57 crashes (2 fatal, 2 serious injuries, 1 pedestrian crash)	Other improper action (lines); Operating Defective equipment; Failed/Video: Exceeded authorized speed limit; Distraction; Operating vehicle in erratic, careless, negligent or aggressive manner (intoxication); Failed to Yield right of way; Disregarded traffic signs, signals and road markings; Failure to keep in proper lane or running off road; Made an improper turn; Followed too closely	Funded T19 project (year 2020) for resurfacing pavement on Route 28	Short-Term - Conduct Intersection Control Evaluation (ICE) - Implement actions from RSA when completed
<b>E</b> Sippewissett Road from Bangon Road to Palmer Avenue	Local	2.56	2-lanes undivided roadway includes white edge lines and a single yellow center line - Posted Speed limit: 25 mph - 20 crashes (1 fatal, 4 serious injuries, 1 pedestrian crash)	Exceeded authorized speed limit; Operating vehicle in erratic, careless, negligent or aggressive manner; Intoxication	Complete Streets project planned with "Share the Road" signs and "Shareway" markings	Short-Term - Install LED curve warning and/or chevron signs - Update proper lighting at risk prone uphill/warp curves - Install guardrails at curves - Encourage maintenance of vegetation - Install Motorist Give 4 Feet to Pass Signs
<b>F</b> Thomas B Landers Road from Route 28 to Sandwich Road	Local / MassDOT (Route 28)	2.87	2-lanes undivided roadway includes white edge lines and a double yellow center line - Posted Speed limit: 40 mph - 57 crashes (1 fatal, 2 serious injuries, bicycle crash)	Swerving or avoiding due to wind, slippery surface, vehicle object, vulnerable user in roadway; Driving too fast for conditions; Clear; Physical impairment; Other improper action; Operating Defective equipment; Failed/Video: Exceeded authorized speed limit; Operating vehicle in erratic, careless, negligent or aggressive manner; Intoxication; Failed to Yield right of way; Disregarded traffic signs, signals and road markings; Failure to keep in proper lane or running off road; Made an improper turn	Complete Street project to install new shared use path along entire length of road	Short-Term - Work with MassDOT to reduce 40 mph regulatory speed limit based on target speed
<b>G</b> Main Street Route 28 from Local Street to Falmouth Heights Road	Local / MassDOT (at Local Street Intersection and at Falmouth Heights Road Intersection)	1.21	2-lanes undivided roadway includes white edge lines and a double yellow center line. On-street parking. Sidewalks are present on both sides of Route 28. - 276 crashes (6 serious injuries, 10 bicyclist crashes, 3 pedestrian crashes)	Over connecting/Over steering; Other improper action; Swerving or avoiding due to wind, slippery surface, vehicle object, vulnerable user in roadway; Distraction; Clear; Operating Defective equipment; Exceeded authorized speed limit; Operating vehicle in erratic, careless, negligent or aggressive manner; Intoxication; Failed to Yield right of way; Visibility obstructed; Failure to keep in proper lane or running off road; Followed too closely	HSP cluster - Complete Street project to construct curb ramp extensions (bump-outs and crosswalk upgrades)	Short-Term - Install raised crosswalks at select crossings - Install RRFBs at select crossings - Add curb bump outs at crossings
<b>H</b> Davis Straits Route 28 from Falmouth Heights Road to Maravista Avenue Extension	MassDOT	1.27	2-lanes undivided roadway includes white edge lines and a double yellow center line. Left-turn lanes provided at major intersections. Sidewalks are present on both sides of Route 28. - Posted Speed limit: 35 mph - 640 crashes (1 fatal, 9 serious injuries, 18 bicyclist crashes, 10 pedestrian crashes)	Physical impairment; Visibility obstructed; Clear; Intoxication; Failed to Yield right of way; Distraction; Followed too closely; Disregarded traffic signs, signals and road markings; Fatigue/Alertness; Operating vehicle in erratic, careless, negligent or aggressive manner; Other improper action; Over steering/Swerving or avoiding due to wind, slippery surface, vehicle object; Made an improper turn; Failure to keep in proper lane or running off road	HSP cluster - MassDOT project to construct multi-modal improvements	Short-Term - Install RRFBs at unsignalized crossings (not already included in MassDOT's project) - Provide crosswalks at select locations - Add curb bump outs at crossings
<b>I</b> Sandwich Road from Route 28 to John Parker Road	Local / MassDOT (Route 28)	2.34	2-lanes undivided roadway includes white edge lines and a double yellow center line. - Posted Speed limit: 35-40 mph - 170 crashes (2 fatal, 6 serious injuries, 2 bicyclist crashes, 1 pedestrian crash)	Over connecting/Over steering; Swerving or avoiding due to wind, slippery surface, vehicle object, vulnerable user in roadway; Driving too fast for conditions; Physical impairment; Exceeded authorized speed limit; Operating vehicle in erratic, careless, negligent or aggressive manner; Intoxication; Failed to Yield right of way; Failure to keep in proper lane or running off road; Followed too closely	Complete Street project to install new shared use path from Route 151 to Brick Kiln Road	Short-Term - Install solar radar speed feedback signs - Reduce lane widths to provide the shoulders - Install Motorist Give 4 Feet to Pass Signs
<b>J</b> East Falmouth Highway Route 28 from John Parker Road to Sippewissett Road to Seaboard	MassDOT	2.03	2-lanes undivided roadway includes white edge lines and a double yellow center line. Sidewalk on the south side of Route 28. - Posted Speed limit: 40 mph - 427 crashes (1 fatal, 9 serious injuries, 6 bicyclist crashes, 4 pedestrian crashes)	Wrong side/Wrong way; Followed too closely; Driving too fast for conditions; Operating Defective equipment; Exceeded authorized speed limit; Intoxication; Failed to Yield right of way; Operating vehicle in erratic, careless, negligent or aggressive manner; Failure to keep in proper lane or running off road; Made an improper turn; Swerving or avoiding due to wind, slippery surface, vehicle object, vulnerable user in roadway; Made an improper turn; Other improper action; Over steering/Swerving or avoiding due to wind, slippery surface, vehicle object; Made an improper turn; Failure to keep in proper lane or running off road; Operating Defective equipment; Failed to Yield right of way; Disregarded traffic signs, signals and road markings; Clear; Operating Defective equipment	3 separate HSP clusters	Short-Term - Reduce speed limit based on lower target speed - Improve intersection geometry at selected intersections (i.e. Fresh Pond Rd) - Provide crosswalks at select crossings - Improve existing sidewalks and crosswalks
<b>K</b> Nathan Ellis Highway Route 151 from Worcester Court to Mashpee Townline	Local	1.15	2-lanes undivided roadway includes white edge lines and a double yellow center line. Posted Speed limit: 35 mph - 181 crashes (8 serious injuries)	Intoxication; Failed to Yield right of way; Disregarded traffic signs, signals and road markings; Followed too closely; Driving too fast for conditions; Operating vehicle in erratic, careless, negligent or aggressive manner; Failure to keep in proper lane or running off road; Exceeded authorized speed limit; Over connecting/Over steering/Swerving or avoiding due to wind, slippery surface, vehicle object; Made an improper turn; Failure to keep in proper lane or running off road; Operating Defective equipment; Failed to Yield right of way; Disregarded traffic signs, signals and road markings	HSP cluster at the 151 / Sandwich Road intersection. Complete Street project to extend the planned shared use from Mashpee to the intersection with Route 151. The area within the state right-of-way would be excluded from a funding request	Short-Term - Narrow travel lanes - Reduce speed limit based on target speed - Install RRFBs at unsignalized crossing - Consider alternative number signs - Incorporate short-term potential safety enhancements from the Road Safety Audit of Route 151 Corridor (2018)



## Falmouth: Sippewisset Road



W1-8

### Sippewisset Road (Ransom Road to Palmer Ave)

#### Existing Condition

- local road, 25 MPH
- 1 Fatal crash, 4 Serious Injury crashes, 1 Ped crash – occurred in last 6 years
- Single Vehicle crash is a common occurrence

#### Proposed Countermeasures

##### Short-Term

- Install LED curve warning and/or chevron signs
- Install proper lighting at risk prone curve/sharp curves
- Install guardrails at curves
- Encourage maintenance of vegetation

#### Rationale

- Curve Warning signs are absent at many of the curves of Sippewisset Road
- Wooden guardrails will prevent roadway departures
- Clearing vegetation will improve view of drivers

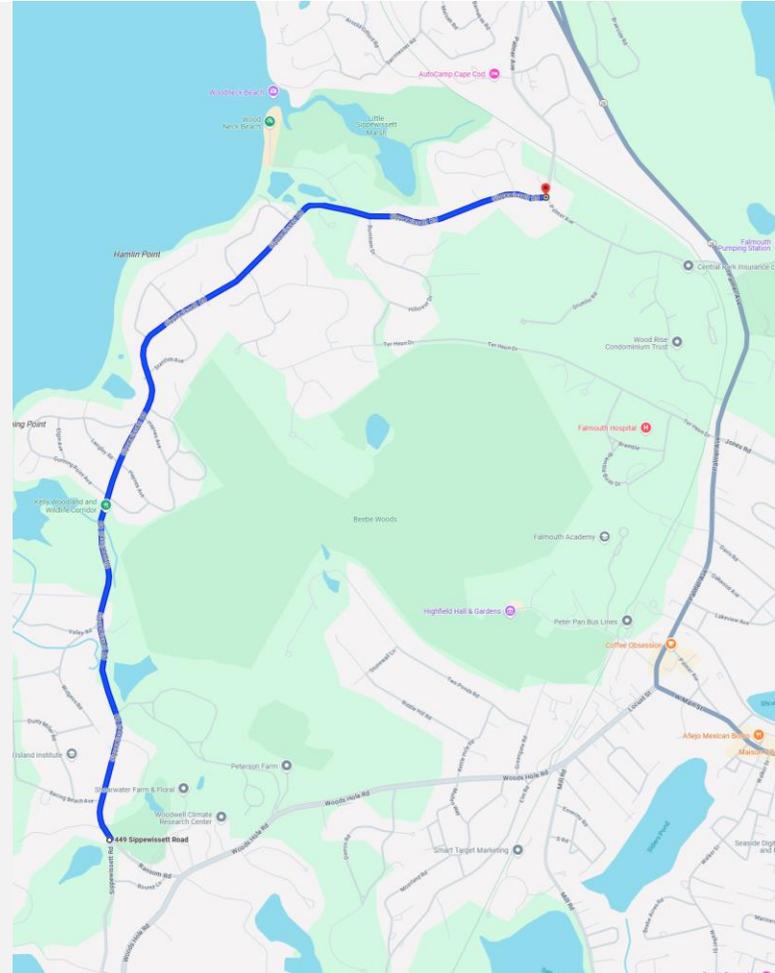


Figure: A typical curve of Sippewisset Road





## Sandwich: Cotuit Road

### Cotuit Road, Sandwich

#### Existing Condition

- local road, 30 MPH
- Narrow sidewalks present on the west side (absent south of Quaker Meeting House Road)

#### Proposed Countermeasures

##### Short-Term

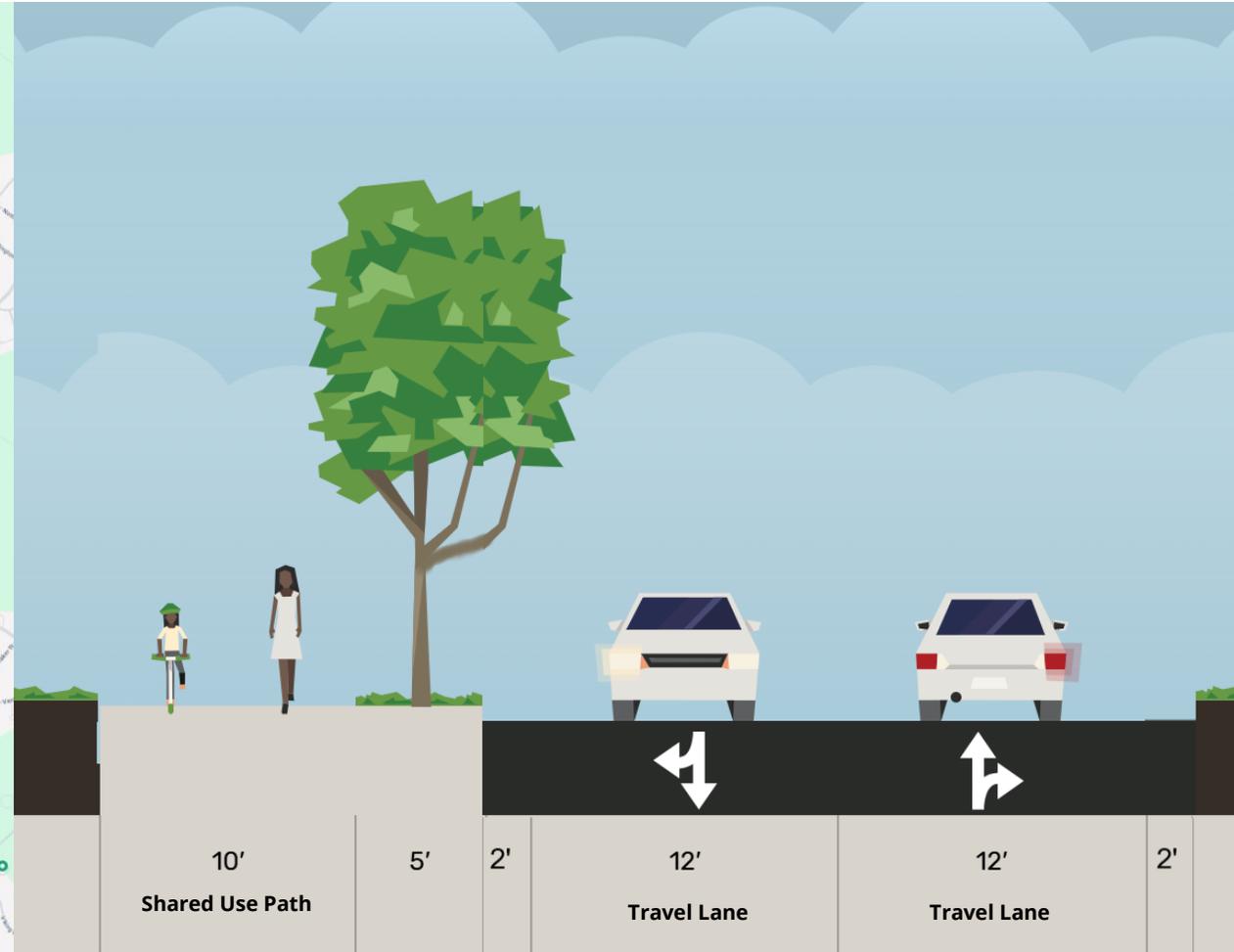
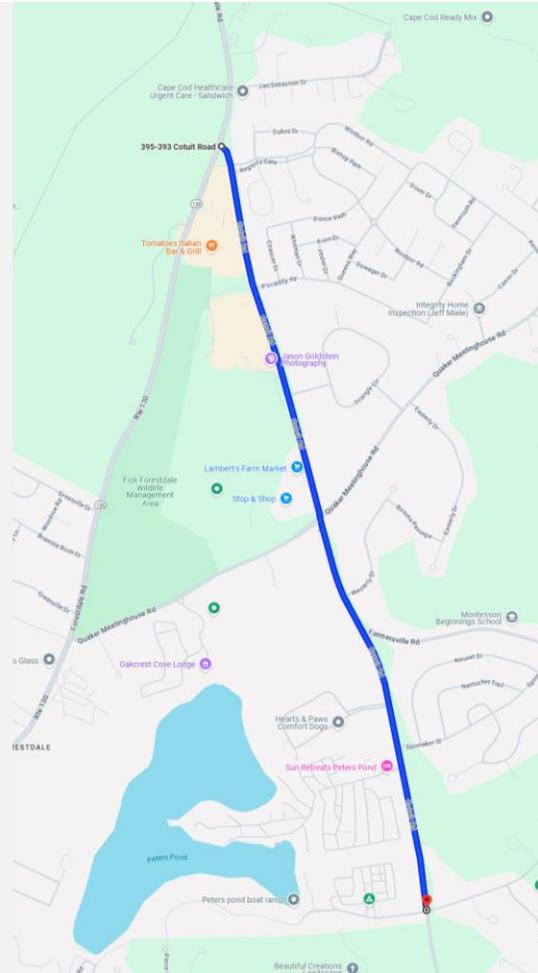
- Provide crosswalks at select locations
- Add curb bump outs at crosswalks

##### Long-Term

- Construct Shared Use Path
- Install Roundabout (or simple T-intersection) at Cotuit Rd / Farmersville Rd

#### Rationale

- Crosswalks are needed between businesses located on both sides of Cotuit Road and along Cotuit Road to connect to the proposed shared use path safely
- Roundabout will reduce vehicle conflict points and slow speeds.



# VISION ZERO ACTION PLAN CAPE COD

## DENNIS

## MID CAPE

### Background Information:

- Adopted Complete Streets Policy in 2022 and approved Complete Streets Prioritization Plan in 2023.
- Road Safety Task Force.
- Traffic Safety Committee.

### Crash Stats (2018-2023)



1,848

total crashes

10 pedestrian crashes

31 bicyclist crashes

33 motorcyclist crashes



5

fatal crashes

1 pedestrian crash

1 motorcyclist crash



28

serious injuries

3 pedestrian crashes

2 motorcyclist crash

### Fatal/Serious Injuries

33% of the fatal/serious injuries occurred during dark conditions (lighted roadway/not lighted)

27% of the fatal/serious injuries occurred under the Jurisdiction of MassDOT

42% occurred along Minor Arterial Roadways and 24% occurred along Principal Arterial – Other Roadways

45% of the crashes are single-vehicle crashes

85% of the crashes contributing factors were either reckless/speeding/distracted/impaird

5 crashes were collision with utility pole, 6 crashes were collision with tree

### Public Comments

- Increased infrastructure for bike/pedestrian safety and accessibility (especially in dense neighborhoods around beaches).
- More sidewalks.
- Connectivity of bike infrastructure that already exists.
- Need improvements to crosswalks, make more visible, bettering signage.
- Lowering of speed limits especially in residential/dense neighborhoods.
- Corporation Road - Missing stop sign at intersection of Whig and Elm Streets.
- Route 134 - Missing crosswalks: there is a multiuse pathway across street from entrance to Hemlock Lane and only way to access it is to cross Route 134 at location

with no crosswalk. Overpass lacks pedestrian and bike connectivity from Bob Crowell Road to Market Place/Patriot Square, Route 6 & Route 134 off ramps; Intersection: East-West Dennis Road, Hemlock Lane, Bob Crowell Road; difficult left hand turns and conflicting traffic movements, unsafe for pedestrians because driver failure to stop at stop signs, high crash and near miss site.

Route 6A - Speed should be reduced, especially in higher pedestrian village areas. Intersection: New Boston Road, Nobscusset Road, Old Post Road (In front of Dennis Public Market). Intersection where 6A turns into Old King's Highway, Sesuit Neck Road, Dr Lord's Road South.



High Risk Corridors
Airline Road
Depot Street
Great Western Road
Hokum Rock Road
Loring Avenue
Lower County Road
Mayfair Road
Old Bass River Road
Old Chatham Road
Setucket Road
South Cages Way
Swan River Road
Theophilus P Smith Road
Upper County Road

HIN - Corridor/Intersection	Jurisdiction	Length (miles)	Characteristics	Contributing Factors	Studied/Previous Planning	Potential Countermeasures	
						Short-Term	Long-Term
<b>A</b> Old Bass River Road from Bob Crowell Road to Setucket Road	Local	134	- 2-lane undivided roadway includes white edge lines and a double yellow center line. Shared use path on west side of roadway. Posted Speed limit: 35-35 mph 47 crashes (1 fatal, 2 serious injuries, 1 bicyclist crash)	- Inattention: Followed too closely, Distracted. Failed to yield right of way. Operating vehicle inattentive. Failed to yield right of way. Visibility obstructed. Failure to keep in proper lane or running off road. Fatigue/Impaired: Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings.		- Add a left turn lane at the Old Bass River Road and Mayfair Road Intersection. - Install signalized intersections at the following Intersections: - Old Bass River Road / Bob Crowell Road - Old Bass River Road / Old Chatham Road - Install crosswalks across Old Bass River Road (at approx. 0.25 mile distance) to help people get to shared use path. Add curb bump outs at crosswalks. - Clear roadside vegetation to improve sight distance at the intersection of Old Bass River Road and Bob Crowell Road.	
<b>B</b> East West Dennis Road from Main Street to Route 26 to Route 6	Local / MassDOT (Route 26)	209	- 2-lane undivided roadway includes white edge lines and a double yellow center line. Posted Speed limit: 35-40-40 mph 332 crashes (1 fatal, 1 serious injury, 6 bicyclist crash)	- No improper driving: Inattention: Followed too closely. Distracted: Failed to yield right of way. Operating vehicle inattentive. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Failed to yield right of way. Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Failed to yield right of way. Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Failed to yield right of way. Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment).	Complete Streets Project (Construct a new shared use path and upgrade pedestrian facilities)	- Short-Term - East West Dennis Road and Market Place Intersection – eliminate right-turn slip lanes. - Install Speed Feedback Signs instead of Speed Limit Signs before critical intersections. - Add shared use lanes through the intersection of East West Dennis Road / Upper County Road, through intersection. Upgrade traffic signal backdrops with retroreflective border to improve roadside geometry to reduce intersection rates at the intersection of East West Dennis Road / Corner Street. - Install Head Signs before the ramps entering Route 134. - Add curb bump outs at crosswalks. - Perform RSA for Roundabouts at Cape Cod Commission Interchange Bump Study. - Incorporate RSA recommendations for Route 134 High Crash Locations (2020).  - Long-Term - Install two-lane roundabout at East West Dennis Road and Market Place Intersection.	
<b>C</b> East West Dennis Road from Route 134 from Bob Crowell Road to Setucket Road	Local / MassDOT (at Bob Crowell Road intersection)	147	- 2-lane undivided roadway includes white edge lines and a double yellow center line. Shared use path on west side of roadway. Posted Speed limit: 35-40 mph 16 crashes (2 serious injuries, 3 bicyclist crashes, 1 pedestrian crash)	- No improper driving: Inattention: Followed too closely. Distracted: Failed to yield right of way. Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Failed to yield right of way. Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment).		- Short-Term - Add Pedestrian Crossing at Old Chatham Road connecting the shared use path. - Add Pedestrian Crossing in front of Backus AGV, Hardware, US Market Place, Route 134 Commons, 900 Town Plaza. - Add crosswalks at Bob Crowell Intersection. - Add curb bump outs at crosswalks.  - Long-Term - Install single-lane roundabout to reduce traffic signal at Bob Crowell Intersection. - Coordinate Improvement of Airline Road and Route 134 Intersection. - Possible roundabout at Old Chatham and 134, especially if a portion of Airline Road is changed to one-way NB.	
<b>D</b> Main Street Route 26 from Vermont Townline to East West Dennis Road Route 134	MassDOT	186	- 2-lane undivided roadway includes white edge lines and a double yellow center line. Sidewalk on south side of roadway. Posted Speed limit: 40 mph 126 crashes (2 fatal, 1 serious injury, 3 bicyclist crashes, 1 pedestrian crash)	- Failed to yield right of way. No improper driving: Inattention: Distracted: Failed to yield right of way. Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Failed to yield right of way. Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment).	Funding – TIP (Upgrade pedestrian and bicycle facilities)	- Short-Term - Install RRFB at Main Street and School Street. - Add curb bump outs at crosswalks.  - Long-Term - Make geometric improvements at the intersection of Main Street at Old Main Street to eliminate high speed turns. - Consider and share/space improvements on Main Street (Route 26) from Uncle Barnays Road to Old Main Street (TIP 60876).	
<b>E</b> Main Street Route 39 from East West Dennis Road Route 134 to Haverhill Townline	MassDOT	134	- 2-lane undivided roadway includes white edge lines and a double yellow center line. Sidewalk on both sides of roadway. Posted Speed limit: 35-30 mph 140 crashes (2 serious injuries, 2 bicyclist crashes, 1 pedestrian crash)	- No improper driving: Inattention: Distracted: Failed to yield right of way. Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Failed to yield right of way. Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment).		- Short-Term - Add guardrail/retention markings for turns at the intersection of Main Street and Route 134. - Add curb bump outs at crosswalks. - RSA at Route 39 at Depot Street. - Reconstruction and related work on Main Street (Route 26) from Upper County Road to the Herring River Bridge (TIP 60874).  - Long-Term - Make geometric improvement at - Main Street and Upper County Road intersection.	
<b>F</b> Old King's Highway Route 6A from South Vermont Road to Old Bass River Road	MassDOT	0.97	- 2-lane undivided roadway includes white edge lines and a double yellow center line. Sidewalk on both sides of roadway. Posted Speed limit: 35-40 MPH 47 crashes (1 serious injury)	- No improper driving: Failed to yield right of way. Failure to keep in proper lane or running off road. Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment).		- Short-Term - Reduce speed limit to 35 MPH from South Vermont Road. - Evaluate signal warrants at Old Bass River Road / Hope Lane Intersection. - Add curb bump outs at crosswalks.  - Long-Term - Install roundabout at Old King's Highway, New Boston Road, Nobscusset Road. - Make geometric improvements at Old King's Highway / South Vermont Road, tree trimming to improve sight distance.	
<b>G</b> Old King's Highway (Route 6A) at East West Dennis Road (Route 134)	MassDOT		- Four-lane signalized intersection. Sidewalks on both sides of Route 6A. Posted Speed limit: 35-40 MPH 31 crashes (1 bicyclist crash)	- No improper driving: Inattention: Disregarded traffic signs, signals, road markings. Failed to yield right of way. Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment). Operating vehicle in erratic, reckless, careless, negligent or aggressive manner. Disregarded traffic signs, signals, road markings. Other improper action: (Physical impairment).		- Short-Term - Replace traffic signal equipment with overhead traffic signals. Add protected left turns to the traffic signals. - Close the Service Road west of Bridge Street. - Reduce number of across-bridways and eliminate angle parking directly from Bridge Street at shopping plaza on northeast corner. - Add curb bump outs at crosswalks. - Reduce corner radii at intersection, particularly on southeast corner.	



## Dennis: Old King's Hwy (Rte 6A) at East-West Dennis Rd

### Old King's Highway (Route 6A) at East-West Dennis Rd (Route 134)

- 4-legged intersection, signalized
- 31 Total Crashes, including one bicycle crash
- Sidewalk on all sides, but only one crosswalk
- Five driveways to one shopping plaza

### Proposed Countermeasures

#### Short-Term

- Replace traffic signal equipment with overhead traffic signals
- Close the Service Road west of Bridge Street
- Reduce number of driveways at shopping plaza
- Create new crosswalks
- Reduce corner radii at intersection, particularly on southeast corner

#### Rationale

- Too many driveways create many conflict points
- Crosswalks improve pedestrian connectivity and safety
- Overhead traffic signals are more visible and decrease red-light running





# Non-Engineering Countermeasures

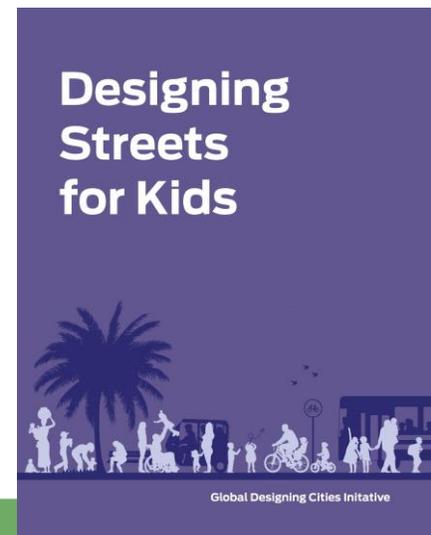
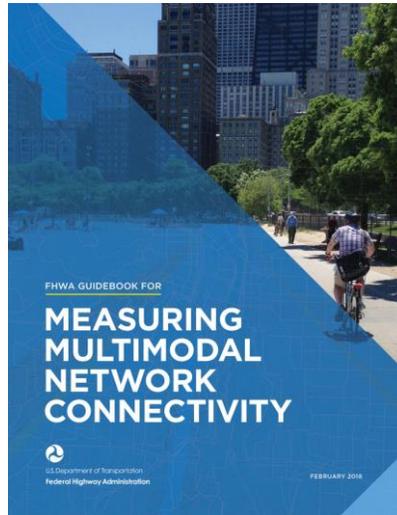
Enforcement, Education & Promotion,  
Local Practices, Traffic Safety Culture



# VISION ZERO ACTION PLAN CAPE COD

## Non-Engineering Countermeasures

- Enforcement
- Education & Promotion
- Local Practices
- Traffic Safety Culture





# Vision Zero Action Plan

[Home](#) > [Work](#) > [Vision Zero Action Plan](#)

## **NEW:** Join us at a Public Meeting

The [next round of public meetings](#) will focus on presenting the draft list of actions, projects and strategies to address the region's most problematic roadways and intersections. The presentation will highlight the region's High Injury and High Risk road network and seek public feedback on the potential short to long term improvements to help Cape Cod reduce all serious

### NEXT MEETINGS

TUESDAY  
**APR 01, 2025**

Vision Zero Public Meeting

**START TIME:** 6:00 PM



# VISION ZERO ACTION PLAN CAPE COD

## JOIN US AT A PUBLIC MEETING

**Tuesday, April 1**  
6:00 PM  
VIRTUAL  
[capecodcommission.org/  
visionzero/join](https://capecodcommission.org/visionzero/join)

**Wednesday, April 2**  
3:00 PM  
Wellfleet Public Library  
55 Main Street  
Wellfleet, MA

**Thursday, April 3**  
11:00 AM  
Brooks Free Library  
739 Main Street  
Harwich, MA

**Thursday, April 3**  
4:00 PM  
Mashpee Public Library  
64 Steeple Street  
Mashpee, MA

# Questions & Answers

Visit our **Project Website** to stay up to date

