

## 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

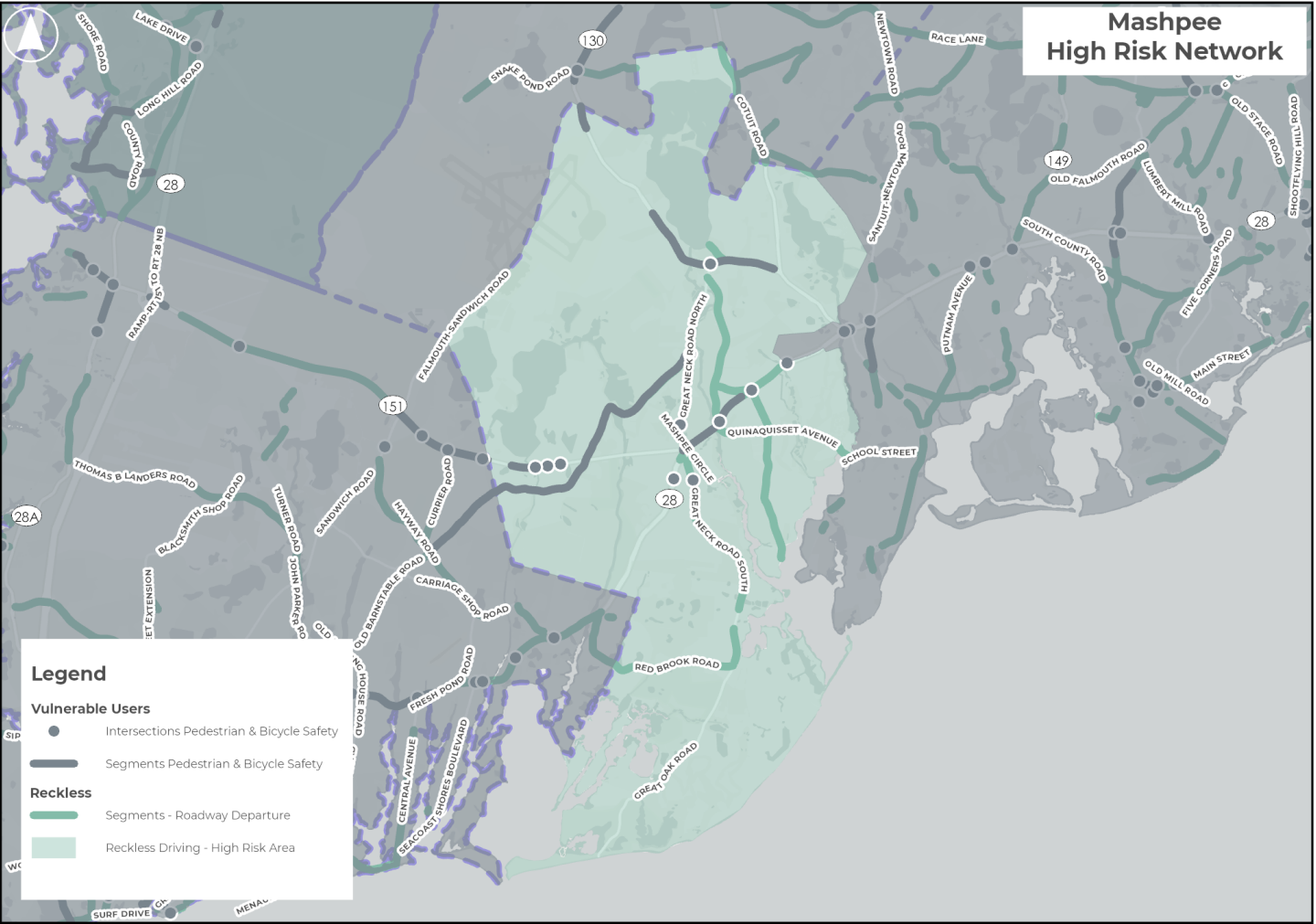
9 crashes were collision with tree, 4 crashes were collision with utility pole, 3 collision with unknown fixed object

## Public Comments

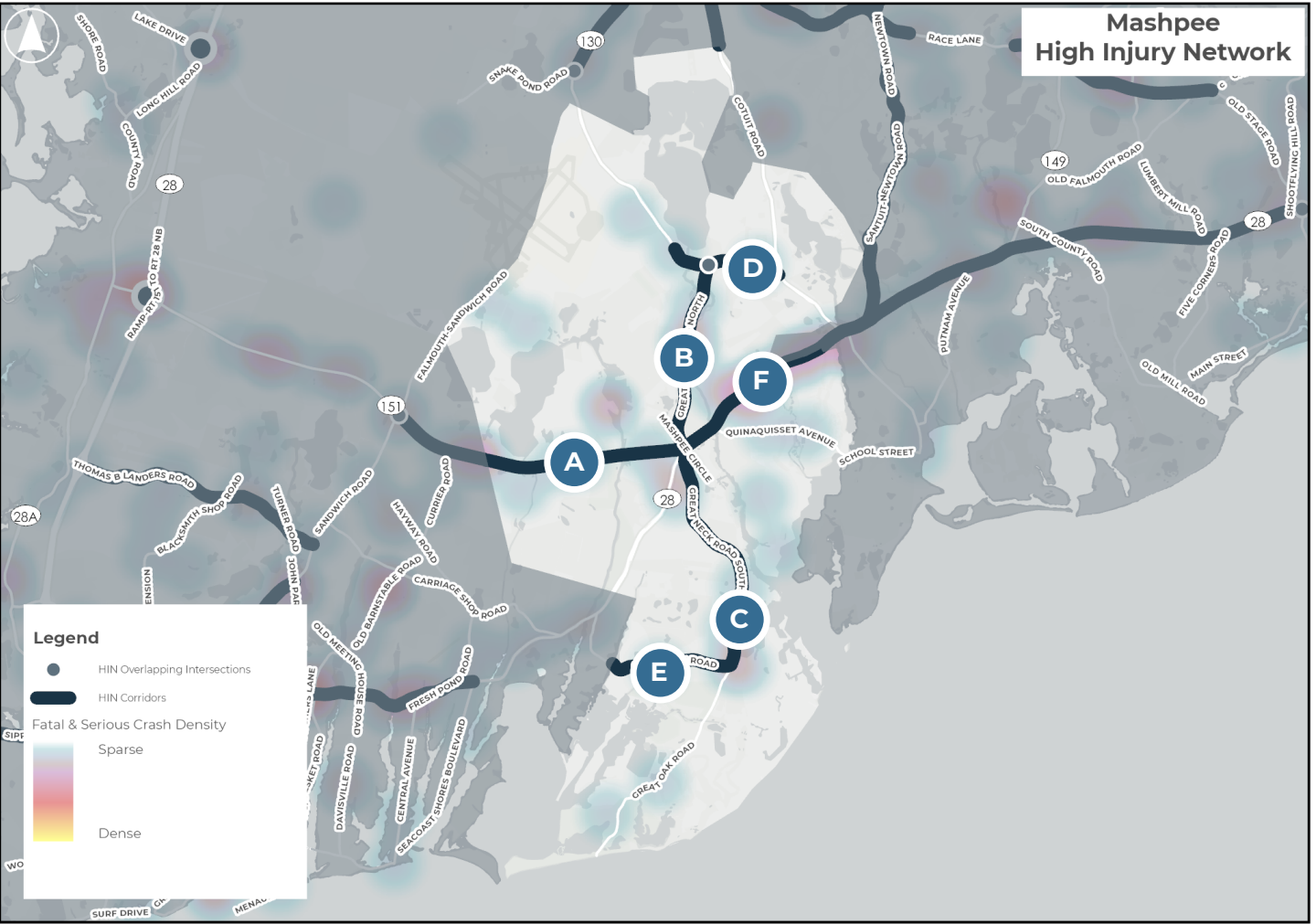
- Old Barnstable Road is a two-lane undivided roadway with limited right-of-way, motor vehicles passes bicyclists.
- Main Street/Route 130 is a traveled high speed roadway and the marked pedestrian crosswalk markings by Sturgis Lane/Baker's Road is close to popular recreational area. Need traffic calming/lower 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 S 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 Risk Corridors	
Cotuit Road	Main Street
Falmouth Road (Route 28)	Nathan Ellis Highway (Route 151)
Falmouth-Sandwich Road	Old Barnstable Road
Great Neck Road North	Quinaquisset Avenue
Great Neck Road South	Wakeby Road
Lowell Road	

High Risk Network



High Injury Network



A	Nathan Ellis Highway (Route 151) from Falmouth Townline to Rotary/Great Neck Road
B	Great Neck Road North from Nathan Ellis Highway (Route 151) to Main Street (Route 130)
C	Great Neck Road South from Red Brook Road to Nathan Ellis Highway (Route 151)
D	Main Street (Route 130) from Ashumet Road to Cotuit Road
E	Red Brook Road from Falmouth Townline to Great Neck Road
F	Falmouth Road (Route 28) from Great Neck Road to Barnstable Townline

HIN – Corridor/ Intersection	Jurisdiction	Length (miles)	Characteristics	Contributing Factors	Studied/ Previous Planning	Potential Countermeasures
<div>A</div> <div>Nathan Ellis Highway (Route 151) from Falmouth Townline to Rotary/Great Neck Road</div>	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 (1 fatal, 2 serious injuries, 1 bicyclist, 1 pedestrian)</li></ul>	Disregarded 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	2024/Complete Streets Project (install bike/ped accommodations)	Short-Term
						<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 611986, FY 2025. This project is to include road widening for turn lanes and construction of a sidewalk and shared use path</li></ul>
<div>B</div> <div>Great Neck Road North from Nathan Ellis Highway (Route 151) to Main Street (Route 130)</div>	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 to pass”</li><li>150 crashes (3 serious injuries, 4 bicyclists)</li></ul>	Disregarded 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		Short-Term
						<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 (R1-5b) 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 transversable perpendicular lines by the Collins Lane crosswalk marking</li></ul>
<div>C</div> <div>Great Neck Road South from Red Brook Road to Nathan Ellis Highway (Route 151)</div>	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>Includes Bike Route (D11-1) signage/share the road</li><li>Limited sidewalk facilities</li><li>54 crashes (3 serious injuries, 1 bicyclist, 1 pedestrian)</li></ul>	Disregarded traffic signs, signals, road markings/ Failed to yield right of way/ Distracted/ Exceeded authorized speed limit/ Glare/ Fatigued/Asleep/ 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	Complete Streets Project (extend existing multi-use path)	Short-Term
						<ul style="list-style-type: none"><li>Identify areas to install solar radar speed feedback signs</li><li>Install RRFBs at existing midblock crosswalks</li><li>Conduct AWSC Great Neck Road at Donna’s Lane</li><li>Identify intersection improvements Great Neck Road at Red Brook Road (SB free-flow), and potentially AWSC, install delineators/bollards</li><li>Consider traffic calming especially near Red Brook Drive</li></ul>
<div>D</div> <div>Main Street (Route 130) from Ashumet Road to Cotuit Road</div>	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>	Distracted/ Followed too closely/ Inattention/ Driving too fast for conditions/ / Failure to keep in proper lane or running off road/ Disregarded traffic signs, signals, road markings/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner	Complete Streets Project (crosswalk improvements, install RRFB, construct ADA curb ramps)	Long-Term
						<ul style="list-style-type: none"><li>Extend existing multi-use path</li></ul>
<div>E</div> <div>Red Brook Road from Falmouth Townline to Great Neck Road</div>	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 (1 serious injuries)</li></ul>	Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Failed to yield right of way/ Manually operating an electronic device	Complete Streets Project (install speed feedback signs, install sharrows, provide bike lanes)	Short-Term
						<ul style="list-style-type: none"><li>Install RRFB 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>
<div>F</div> <div>Falmouth Road (Route 28) from Great Neck Road to Barnstable Townline</div>	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>	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	Planning – Other Study (multimodal improvements and intersection improvement)	Long-Term
						<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>
						Short-Term
						<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>
						Long-Term
						<ul style="list-style-type: none"><li>Corridor improvements on Route 28 including rotary retrofits TIP 610928</li><li>Install pedestrian signal crossings and sidewalks at Route 28 at Orchard Road (Route 28 Eastern Mashpee Study)</li></ul>