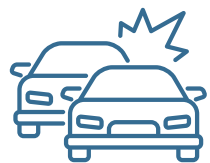


Background Information:

- ➔ Adopted Complete Streets Policy in 2019 and Approved Complete Streets Prioritization Plan in 2022.
- ➔ 2022 - Town of Falmouth \$156,201.85 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 2021.
- ➔ 2016 Transportation Master Plan for Route 28/Main Street.
- ➔ Has a Bicycle and Pedestrian Committee
- ➔ Has a Traffic Advisory Committee

Crash Stats (2018-2023)



4,476

total crashes

54

pedestrian crashes

95

bicyclist crashes

103

motorcyclist crashes



14

fatal crashes

1

pedestrian crash

2

motorcyclist crashes



121

serious injuries

15

pedestrian crashes

17

bicyclist crashes

14

motorcyclist crashes

Fatal/Serious Injuries

39% of the fatal/serious injuries occurred during dark conditions (lighted roadway/not 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.

24% of the crashes contributing factors were either reckless/speeding/distracted/impaired

9 crashes were collision with utility pole, 22 crashes were collision with tree, 1 crash was collision with guardrail

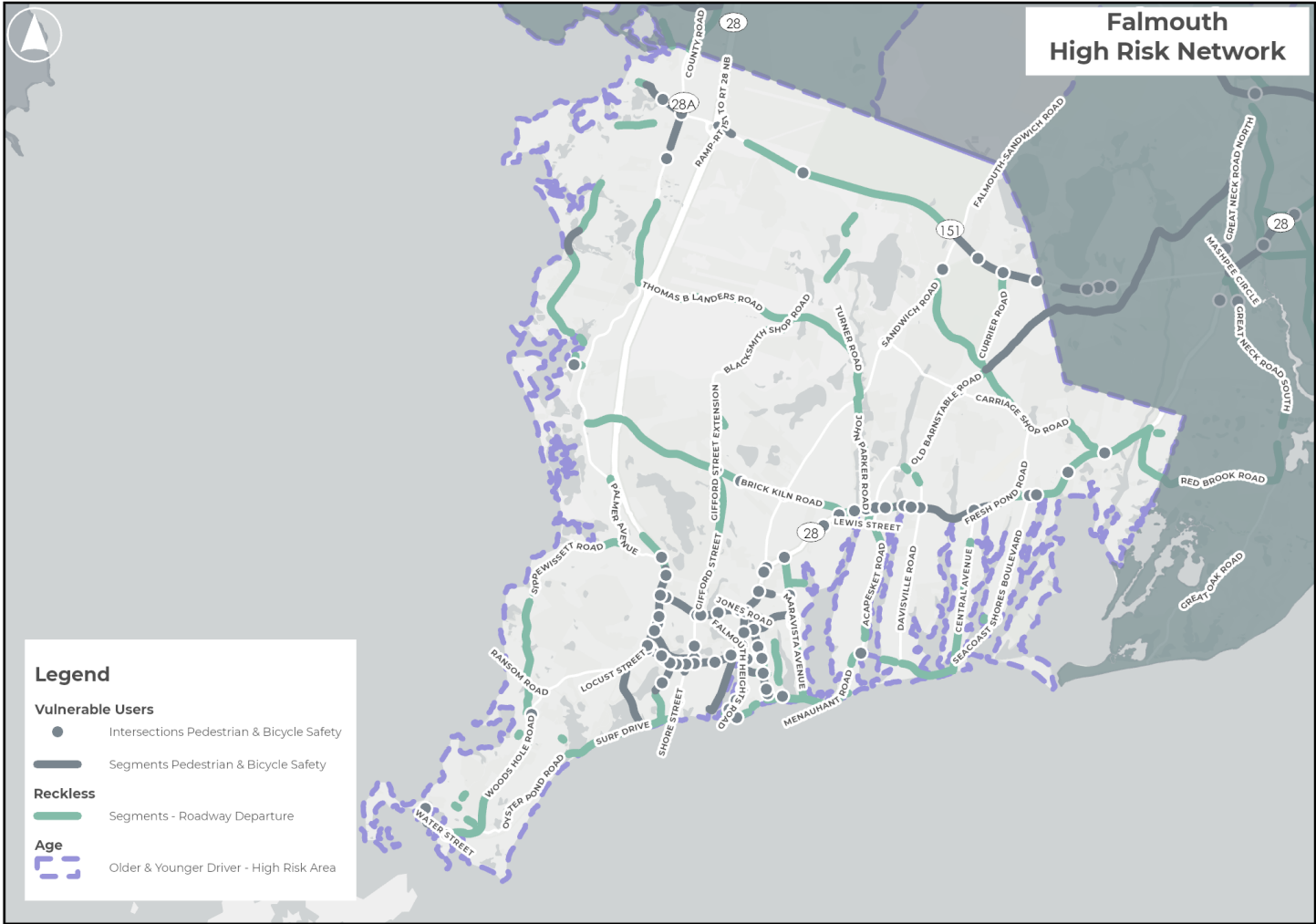
Public Comments

- ➔ Need for multi-use paths and more barrier protected bike lanes (other than and connected too 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 concerns: want traffic calming measures and speed deterrents across town.
- ➔ Desire for formalized transit stops.

Town Profile

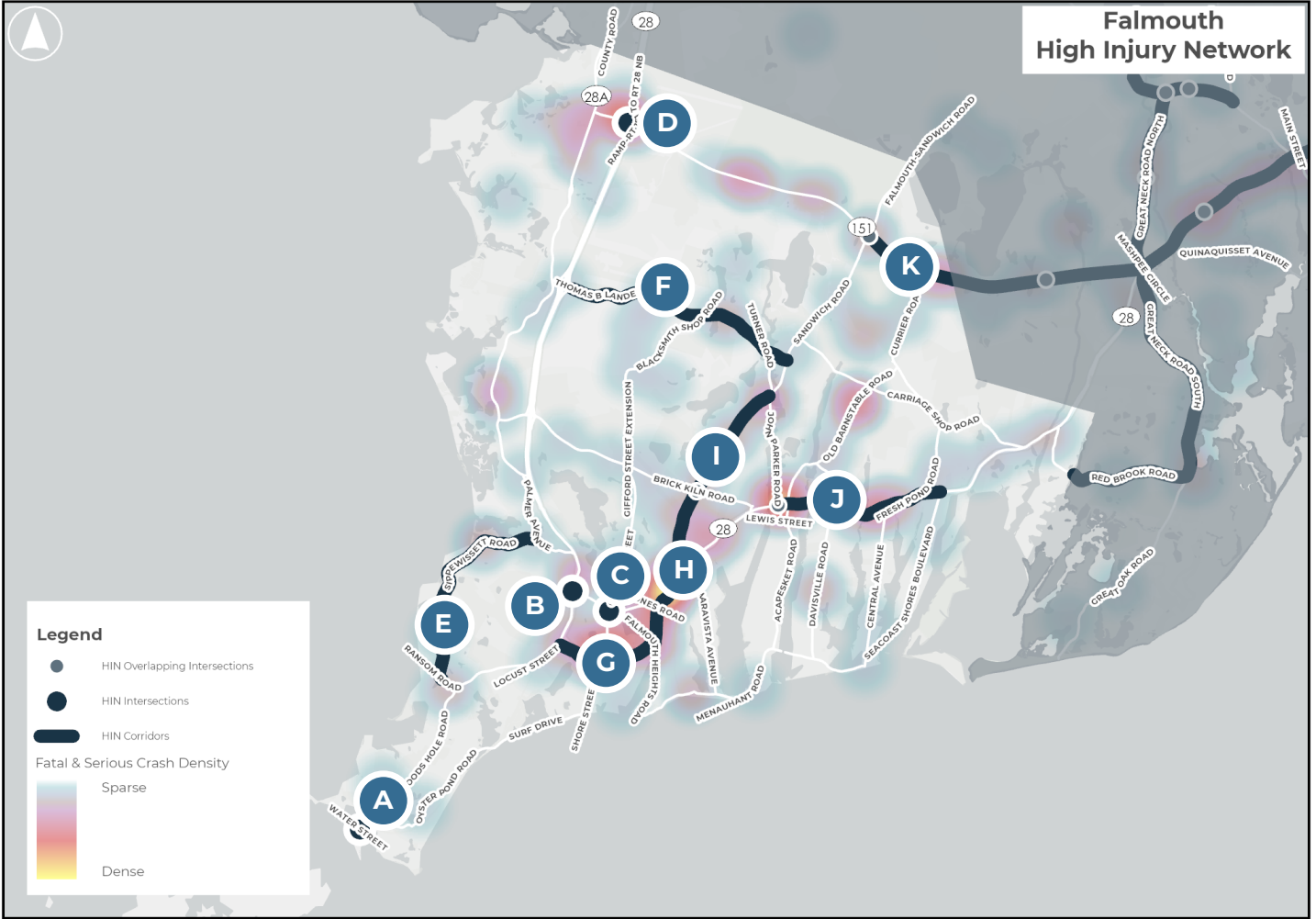
| High Risk Corridors | | |
|-----------------------|--------------------------|-------------------|
| Brick Kiln Road | Hatchville Road | Palmer Avenue |
| Carriage Shop Road | Hayway Road | Quaker Road |
| Central Avenue | Jones Road | Scranton Avenue |
| Davis Straits | Katherine Lee Bates Road |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

High Risk Network



FALMOUTH – UPPER CAPE

High Injury Network



| | | | |
|----------|--|----------|--|
| A | Water Street at Railroad Avenue | G | Main Street Route 28 from Locust Street to Falmouth Heights Road |
| B | Route 28 at Jones Road / Worcester Court | H | Davis Straits Route 28 from Falmouth Heights Road to Maravista Avenue Extension |
| C | Jones Road at Gifford Street | I | Sandwich Road from Route 28 to John Parker Road |
| D | Route 151 at Route 28 Ramps | J | East Falmouth Highway Route 28 from John Parker Road to Seacoast Shore Boulevard |
| E | Sippewissett Road from Ransom Road to Palmer Avenue | K | Nathan Ellis Highway Route 151 from Sandwich Road to Mashpee Townline |
| F | Thomas B Landers Road from Route 28 to Sandwich Road | | |

Town Profile

FALMOUTH – UPPER CAPE

| HIN – Corridor/ Intersection | Jurisdiction | Length (miles) | Characteristics | Contributing Factors | Studied/ Previous Planning | Potential Countermeasures |
|--|-------------------------------|-------------------|---|---|--|---|
| <div>A</div> Water Street at Railroad Avenue | MassDOT | | <ul style="list-style-type: none">Three-legged unsignalized intersectionRailroad 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 (Inattention) | | |
| | | | | | | <div>Short-Term</div> <ul style="list-style-type: none">Implement actions from RSA (July 2024)Change YIELD control to STOP controlNarrow roadway and construct sidewalk on south side of Railroad AvenueConstruct curb bump-outs to better define intersection and create separation from nearby Crane Avenue intersectionRestrict a few parking spots on south side of Water Street in close proximity to the intersection to improve sight line |
| <div>B</div> Route 28 at Jones Road / Worcester Court | MassDOT | | <ul style="list-style-type: none">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; Inattention; Failed to Yield right of way; Disregarded traffic signs, signals and road markings; Visibility obstructed; Failure to keep in proper lane or running off road; Made an improper turn; Followed too closely | | <div>Short-Term</div> <ul style="list-style-type: none">Create bike boxes and/or two-stage left-turn bike boxesReplace on-street bicycle lanes and construct sidewalk level bike lanesInstall bicycle signal headsInstall high-visibility bike lane extensions through intersectionProvide left-turn dotted extension lines for left-turning vehicles |
| | | | | | | <div>Long-Term</div> <ul style="list-style-type: none">Consider single-lane roundaboutEducate town about bike box and roundabouts |
| <div>C</div> Jones Road at Gifford Street | Local | | <ul style="list-style-type: none">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 Street32 crashes (1 bicycle crash) | Fatigued/Asleep; Exceeded authorized speed limit Distracted; Operating vehicle in erratic, careless, negligent or aggressive manner ; Inattention; 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 | | <div>Short-Term</div> <ul style="list-style-type: none">Reduce corner radii to reduce speed to turning vehiclesUpdate traffic signal equipment to provide more overhead signal indications, with retroreflective backplates for better signal head visibilitySlightly widen roadway for left-turn lanesProvide bicycle boxes |
| | | | | | | <div>Long-Term</div> <ul style="list-style-type: none">Evaluate protected left-turn phases (all permitted left-turns under existing conditions) |
| <div>D</div> Route 151 at Route 28 Ramps | MassDOT | | <ul style="list-style-type: none">This interchange consists of two unsignalized intersections on Route 151. Both intersection 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; Illness; Operating Defective equipment; Fatigued/Asleep; Exceeded authorized speed limit; Distracted; Operating vehicle in erratic, careless, negligent or aggressive manner; Inattention; Failed to Yield right of way; Disregarded traffic signs, signals and road markings; Visibility obstructed; Failure to keep in proper lane or running off road; Made an improper turn; Followed too closely | Funded TIP project (year 2028) for resurfacing pavement on Route 28 | <div>Short-Term</div> <ul style="list-style-type: none">Conduct Intersection Control Evaluation (ICE)Implement actions from RSA when completed |
| | | | | | | <div>Long-Term</div> <ul style="list-style-type: none">Install roundabouts at interchange ramps, or traffic signal controlInstall shared-use path in State ROW to connect planned shared-use path along Route 151 within local jurisdiction. Provide separation between the Shared use path and the roadway |
| <div>E</div> Sippewisset Road from Ransom Road to Palmer Avenue | Local | 2.56 | <ul style="list-style-type: none">2-lanes undivided roadway includes white edge lines and a single yellow center linePosted Speed limit: 25 mph20 crashes (1 fatal, 4 serious injuries, 1 pedestrian crash) | Exceeded authorized speed limit; Operating vehicle in erratic, careless, negligent or aggressive manner; Inattention | Complete Streets project planned with “share the road” signs and “Sharrow” bicycle pavement markings | <div>Short-Term</div> <ul style="list-style-type: none">Install LED curve warning and/or chevron signsInstall proper lighting at risk prone curve/sharp curvesInstall guardrails at curvesEncourage maintenance of vegetationInstall Motorist Give 4 Feet to Pass Signs |
| | | | | | | |
| <div>F</div> Thomas B Landers Road from Route 28 to Sandwich Road | Local / MassDOT (Route 28) | 2.87 | <ul style="list-style-type: none">2-lanes undivided roadway includes white edge lines and a double yellow center linePosted Speed limit: 40 mph57 crashes (1 fatal, 2 serious injuries, 1 bicycle crash) | Swerving or avoiding due to wind, slippery surface, vehicle, object, vulnerable user in roadway; Driving too fast for conditions; Glare; Physical impairment; Other improper action Operating Defective equipment; Fatigued/Asleep Exceeded authorized speed limit; Operating vehicle in erratic, careless, negligent or aggressive manner; Inattention; Failed to Yield right of way; Disregarded traffic signs, signals and road markings; Visibility obstructed; 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 | |
| | | | | | | <div>Short-Term</div> <ul style="list-style-type: none">Work with MassDOT to reduce 40 mph regulatory speed limit based on target speed |
| | | | | | | <div>Long-Term</div> <ul style="list-style-type: none">Install a shared use path |

Town Profile

FALMOUTH – UPPER CAPE

| HIN – Corridor/ Intersection | Jurisdiction | Length (miles) | Characteristics | Contributing Factors | Studied/ Previous Planning | Potential Countermeasures | |
|--|--|-------------------|--|--|--|------------------------------|--|
| <div><div>G</div><div>Main Street Route 28 from Locust Street to Falmouth Heights Road</div></div> | Local / MassDOT (at Locust Street intersection and at Falmouth Height Road intersection) | 1.21 | <ul style="list-style-type: none">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 28.278 crashes (6 serious injuries, 10 bicycle crashes, 5 pedestrian crashes) | <ul style="list-style-type: none">Over correcting/Over steering; Other improper action; Swerving or avoiding due to wind, slippery surface, vehicle, object; Distracted; Glare; Operating Defective equipment; Exceeded authorized speed limit; Operating vehicle in erratic, careless, negligent or aggressive manner; Inattention; Failed to Yield right of way; Visibility obstructed; Failure to keep in proper lane or running off road; Followed too closely | <ul style="list-style-type: none">HSIP cluster. Complete Street project to construct curb ramp extensions (bump-outs) and crosswalk upgrades | | |
| | | | | | | Short-Term | <ul style="list-style-type: none">Install raised crosswalks at select crossingsInstall RRFBs at select crossingsAdd curb bump outs at crosswalks |
| | | | | | | Long-Term | <ul style="list-style-type: none">Install roundabout at east end of corridor (intersection with Falmouth Heights Road) |
| | | | | | | | |
| <div><div>H</div><div>Davis Straits Route 28 from Falmouth Heights Road to Maravista Avenue Extension</div></div> | MassDOT | 1.27 | <ul style="list-style-type: none">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 28Posted Speed limit: 35 mph640 crashes (1 fatal, 9 serious injuries, 18 bicycle crashes, 10 pedestrian crashes) | <ul style="list-style-type: none">Physical impairment; Visibility obstructed; Glare; Inattention; Failed to Yield right of way; Distracted; Followed too closely; Disregarded traffic signs, signals and road markings; Fatigued/Asleep; Operating vehicle in erratic, careless, negligent or aggressive manner; Over correcting/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 | <ul style="list-style-type: none">HSIP cluster. MassDOT project (#609218) to construct multi-modal improvements | | |
| | | | | | | Short-Term | <ul style="list-style-type: none">Install RRFB's at unsignalized crosswalks (if not already included in MassDOT's project)Provide crosswalks at select locationsAdd curb bump outs at crosswalks |
| | | | | | | Long-Term | <ul style="list-style-type: none">Install shared-use path for bikes and provide separation from roadwayEvaluate traffic signal warrants at intersection at Davis Straits and Dillingham AvenueConstruct roundabout at Davis Straits and Falmouth Heights Rd |
| | | | | | | | |
| <div><div>I</div><div>Sandwich Road from Route 28 to John Parker Road</div></div> | Local / MassDOT (Route 28) | 2.34 | <ul style="list-style-type: none">2-lanes undivided roadway includes white edge lines and a double yellow center linePosted Speed limit: 35-40 mph170 crashes (2 fatal, 6 serious injuries, 2 bicycle crashes, 1 pedestrian crash) | <ul style="list-style-type: none">Over correcting/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; Inattention; Failed to Yield right of way; Failure to keep in proper lane or running off road; Followed too closely | <ul style="list-style-type: none">Complete Street project to install new shared-use path from Route 151 to Brick Kiln Road | | |
| | | | | | | Short-Term | <ul style="list-style-type: none">Install solar radar speed feedback signsReduce lane widths to provide bike shouldersInstall Motorist Give 4 Feet to Pass Signs |
| | | | | | | Long-Term | <ul style="list-style-type: none">Extend proposed shared-use path south to Route 28 |
| | | | | | | | |
| <div><div>J</div><div>East Falmouth Highway Route 28 from John Parker Road to Seacoast Shore Boulevard</div></div> | MassDOT | 2.03 | <ul style="list-style-type: none">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 mph417 crashes (1 fatal, 9 serious injuries, 6 bicycle crashes, 4 pedestrian crashes) | <ul style="list-style-type: none">Wrong side/Wrong way; Followed too closely; Driving too fast for conditions; Operating Defective equipment; Exceeded authorized speed limit; InattentionFailed to Yield right of way; Operating vehicle in erratic, careless, negligent or aggressive manner; Failure to keep in proper lane or running off road; Distracted; Swerving or avoiding due to wind, slippery surface, vehicle, object, vulnerable user in roadway; Made an improper turn; Other improper action; Disregarded traffic signs, signals and road markings; Glare; Operating Defective equipment | <ul style="list-style-type: none">3 separate HSIP clusters | | |
| | | | | | | Short-Term | <ul style="list-style-type: none">Reduce speed limit based on lower target speed.Improve intersection geometry at skewed intersections (i.e. Fresh Pond Rd)Provide crosswalks at select crossingsImprove existing sidewalks and crosswalks |
| | | | | | | Long-Term | <ul style="list-style-type: none">Widen sidewalk and convert to shared-use path |
| | | | | | | | |
| <div><div>K</div><div>Nathan Ellis Highway Route 151 from Sandwich Road to Mashpee Townline</div></div> | Local | 1.15 | <ul style="list-style-type: none">2-lanes undivided roadway includes white edge lines and a double yellow center linePosted Speed limit: 50 mph168 crashes (6 serious injuries) | <ul style="list-style-type: none">Inattention; 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; Exceeded authorized speed limit; Over correcting/Over steering; Fatigued / Asleep; Visibility obstructed; Failure to keep in proper lane or running off road; Operating Defective equipment; Disregarded traffic signs, signals and road markings | <ul style="list-style-type: none">HSIP cluster at Rte 151 / Sandwich Road intersection. Complete Street project to extend the planned shared use from Mashpee to connect to the Shining Sea Bikeway. The area within the state right-of-way would be excluded from a funding request | | |
| | | | | | | Short-Term | <ul style="list-style-type: none">Narrow travel lanesReduce speed limit based on target speedInstall RRFB at unsignalized crossingInstall accessible curb ramps at crosswalk locationsConsider centerline rumble stripsIncorporate short-term potential safety enhancements from the Road Safety Audit of Route 151 Corridor (2018) |
| | | | | | | Long-Term | <ul style="list-style-type: none">Consider roundabout at west end of HIN link (Route 151 / Sandwich Road)151 & Cloverfield (HRN not HIN) – Town installing signalized IntersectionConsider extending shared use path from MashpeeIncorporate long-term potential safety enhancements from the Road Safety Audit of Route 151 Corridor (2018) |
| | | | | | | | |