

Background Information:

- Adopted Complete Streets Policy in 2022 Approved Complete Streets Prioritization Plan in 2023.
- Hyannis Great Streets establishes a new network that hinges from and supports a redesigned Main Street.
- Route 132 Corridor Study, 2024, improving multimodal transportation accommodations to create a corridor that safely serves a sense of place for people driving, walking, and bicycling along the roadway.
- Local Bottleneck Reduction Project Plans – Intersection Improvements Main Street at Old Colony Road/ Center Street and Main Street at Camp Street / Lewis Bay Road.
- Town of Barnstable received FHWA SS4A grants to conduct road safety audits of 14 high-risk intersections for vehicles, bicycles and pedestrians.

Fatal/Serious Injuries

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

30% of the fatal/serious injuries occurred under the jurisdiction of MassDOT

24% occurred along Minor Arterial Roadways and 11% occurred along Principal Arterial – Other Roadways

50% of the crashes are single-vehicle crashes

54% of the crashes contributing factors were either reckless/speeding/ distracted/impaired

20 crashes were collision with tree, 13 crashes were collision with utility pole

Crash Stats (2018-2023)



6,604

total crashes

123 pedestrian crashes

107 bicyclist crashes

98 motorcyclist crashes



15

fatal crashes

2 pedestrian crashes

1 bicyclist crash

4 motorcyclist crashes



120

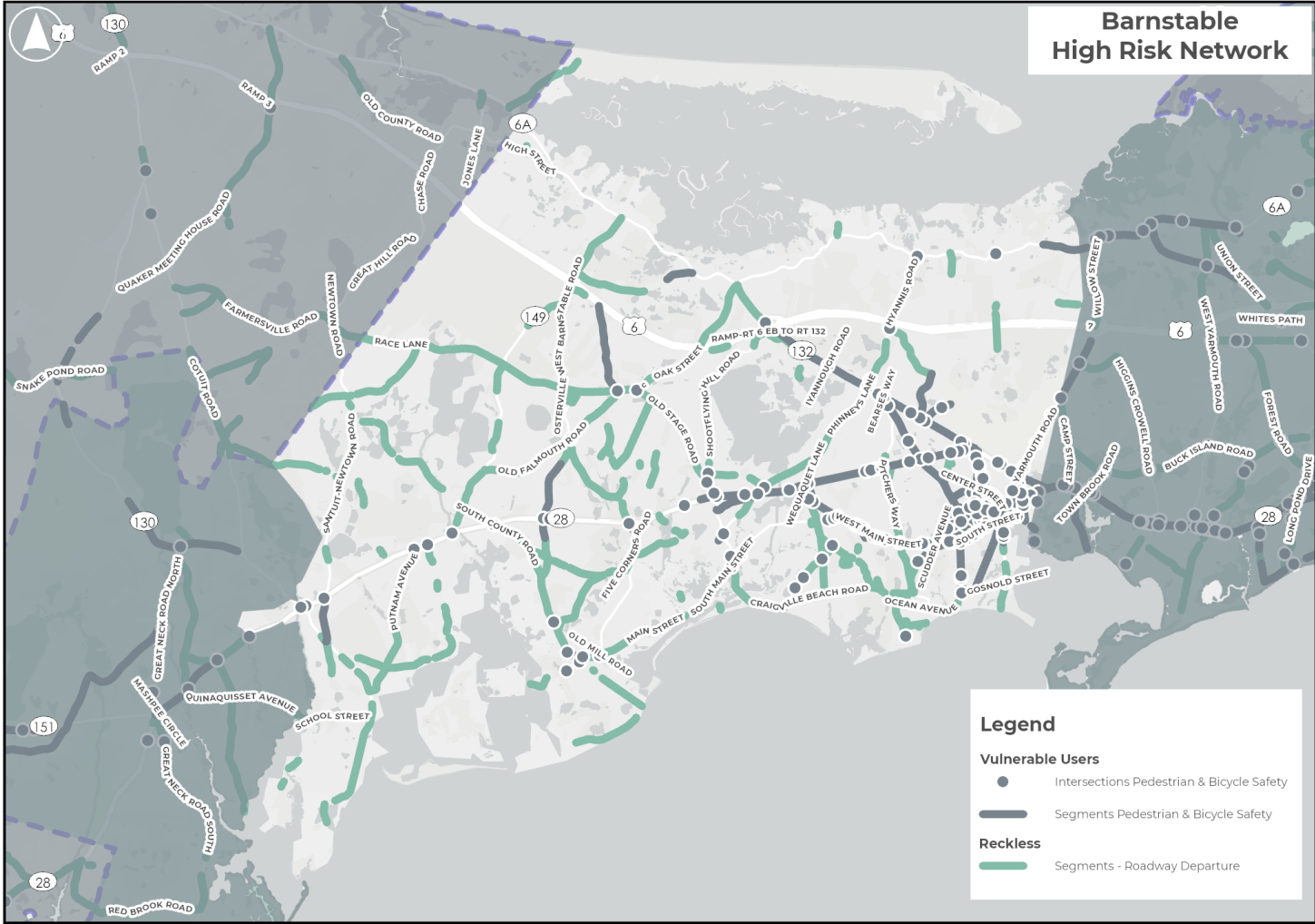
serious injuries

22 pedestrian crash

9 bicyclist crashes

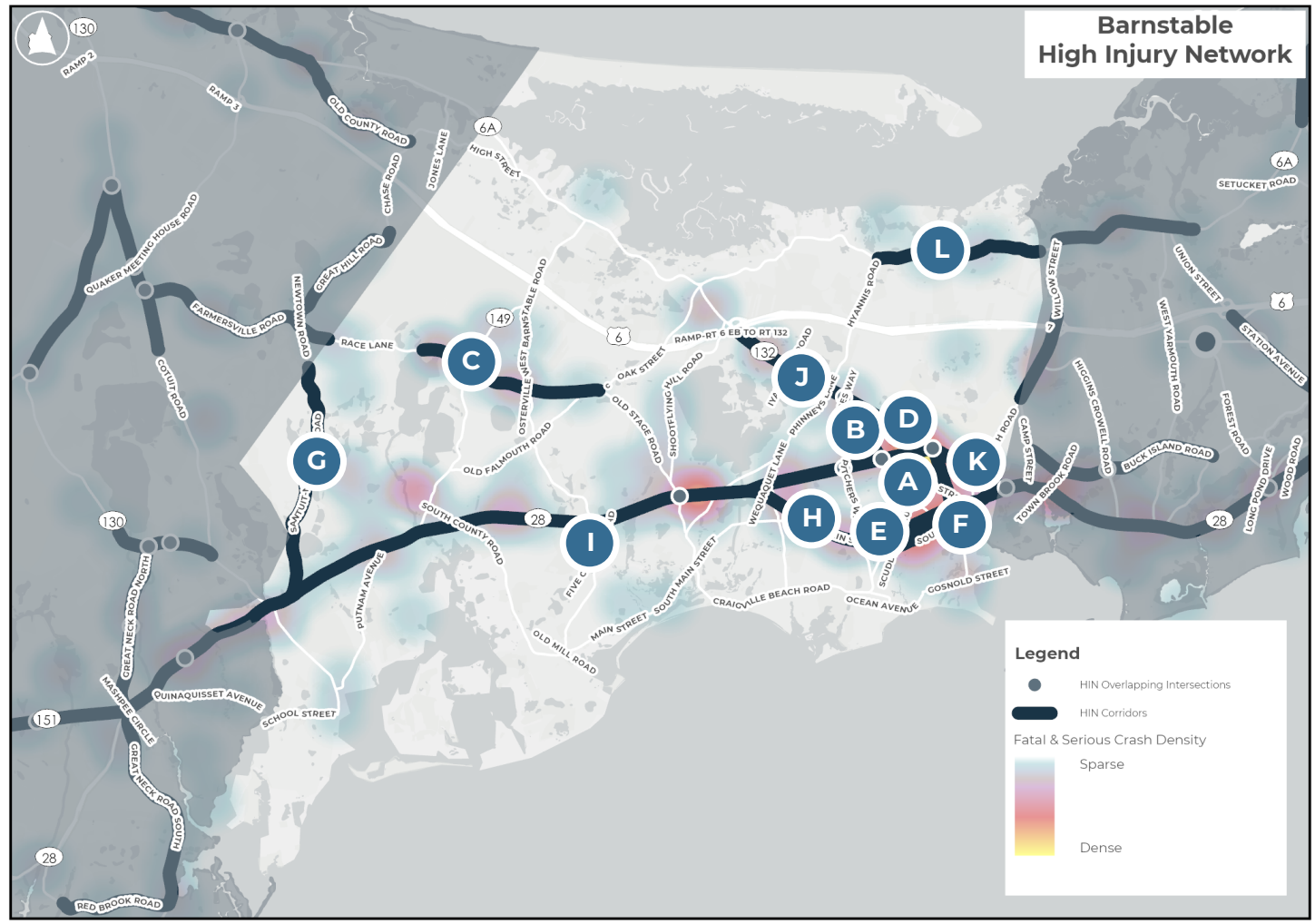
14 motorcyclist crashes

High Risk Network



High Risk Corridors		
Airport Rotary	Lewis Bay Road	Putnam Avenue
Barnstable Road	Main Street	Race Lane
Bearses Way	North Street	Scudder Avenue
Bearses Way	Ocean Street	Sea Street
Bumps River Road	Old Colony Road	South Street
Charles Street	Old Post Road	Stevens Street
Chestnut Street	Old Stage Road	Strawberry Hill Road
Church Street	Old Town Road	Wakeby Road
Craigville Beach Road	Phinneys Lane	West Main Street
Falmouth Road	Pitchers Way	Yarmouth Road
Iyannough Road	Pond Street	

High Injury Network



A	Barnstable Road from Old Colony Road to Falmouth Road (Route 28)/ Airport Rotary	G	Santuit Newtown Road from Falmouth Road (Route 28) to Sandwich Townline
B	Bearses Way from Falmouth Road (Route 28) to Iyannough Road (Route 132)	H	West Main Street from Falmouth Road (Route 28) to Pitchers Way
C	Race Lane from Crocker Road to Old Stage Road	I	Falmouth Road (Route 28) from Mashpee Townline to Airport Rotary
D	Iyannough Road (Route 132) from Bearses Way to Airport Rotary	J	Iyannough Road (Route 132) from Route 6 to Bearses Way
E	North Street from Main Street to Barnstable Road	K	Iyannough Road (Route 28) from Airport Rotary to Yarmouth Townline
F	Main Street from West End Rotary to Bayview Street	L	Main Street (Route 6A) from Hyannis Barnstable Road to Yarmouth Townline

HIN – Corridor/ Intersection	Jurisdiction	Length (miles)	Characteristics	Contributing Factors	Studied/ Previous Planning	Potential Countermeasures
<div>A</div> <div>Barnstable Road from Old Colony Road to Falmouth Road (Route 28)/ Airport Rotary</div>	Local/MassDOT (Airport Rotary)	0.90	<ul style="list-style-type: none">2-lane undivided (mostly) roadwayPosted Speed Limit: 30 mphSidewalk facilities on both sidesLimited on-street parking205 crashes (3 serious injuries, 13 bicyclists, 11 pedestrians)	Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Wrong side or wrong way/ Inattention/ Disregarded traffic signs, signals, road markings/ Made an improper turn/ Followed too closely/ Failure to keep in proper lane or running off road/ Failed to yield right of way/ Distracted	Complete Streets Project (Assess and upgrade pedestrian facilities) HSIP Cluster – South Street at Ocean Street	Short-Term
						<ul style="list-style-type: none">Assess midblock crosswalk locations (existing/proposed) and potential addition of RRFBsInstall transverse pavement markings (series or lines) at key locationsSS4A Road Safety Audit (RSA) location), Barnstable Road at Charles Street/Center StreetEvaluate if the on-street parking (east side) by North Street needs to be removed or relocatedBarnstable Road Corridor Improvements – Design and Permitting per CIP FY 2026Incorporate RSA recommendations Airport Rotary
						Long-Term
<div>B</div> <div>Bearses Way from Falmouth Road (Route 28) to Iyannough Road (Route 132)</div>	Local/ MassDOT (Route 28/ Route 132)	0.89	<ul style="list-style-type: none">2- lane undivided roadwayPosted Speed Limit: 35 mphSidewalk facilities on both sidesLimited bicycle facilities116 crashes (1 fatal, 2 serious injuries, 3 bicyclists)	Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Followed too closely/ Failed to yield right of way/ Disregarded traffic signs, signals, road markings/ Failed to yield right of way/ Distracted	Funded - TIP, Planning - Complete Streets (Construct a new SUP)	Short-Term
						<ul style="list-style-type: none">Intersection improvement Bearses Way at Enterprise Road (determine if SB approach needs to be remarked) or tighten curb radiiUpdate traffic signals; backplates with retroreflective borders, signal timing changes, modern pedestrian signal equipment Bearses Way at Enterprise RoadInstall shared use path on the west side and installation of lightingInstall RRFB at mid-block crosswalk to Cumberland Farms
						Long-Term
<div>C</div> <div>Race Lane from Crocker Road to Old Stage Road</div>	Local	2.38	<ul style="list-style-type: none">2-lane undivided roadwayPosted Speed Limit: 40 mph115 crashes (1 fatal, 7 serious injuries, 1 bicyclist, 2 pedestrians)	Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Failure to keep in proper lane or running off road/ Failed to yield right of way/ Followed too closely/ Exceed authorized speed limit/ Driving too fast for conditions	Complete Streets Project (Construct a new SUP) HSIP Cluster – Race Lane at Old Stage Road	Short-Term
						<ul style="list-style-type: none">Install transverse pavement markings (series or lines) at key locationsInstall solar speed feedback signRemove MUTCD S1-1 School Crosswalk signs by 885 Race Lane
						Long-Term
<div>D</div> <div>Iyannough Road (Route 132) from Bearses Way to Airport Rotary</div>	Local/MassDOT (Airport Rotary)	1.19	<ul style="list-style-type: none">4-lane undivided roadwayBusiness District 30 mph427 crashes (5 serious injuries, 8 bicyclists, 20 pedestrians)	Visibility obstructed/ Wrong side or wrong way/ Over-correcting/Over Steering/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Made an improper turn/ Inattention/ Failed to yield right of way/ Disregarded traffic signs, signals, road markings/ Followed too closely/ Distracted	Complete Streets Project (Construct a new SUP and upgrade pedestrian facilities) HSIP Pedestrian Cluster – near Iyannough Road at Nightingale Lane	Short-Term
						<ul style="list-style-type: none">Update traffic signals; backplates with retroreflective borders, signal timing changes, modern pedestrian signal equipment Iyannough Road at Festival at Hyannis Driveway, Iyannough Road at The Landing DrivewayIncorporate elements from the Route 132 Corridor Study, 2024 to accommodate vehicles, bicycles, pedestrians.
						Long-Term
<div>E</div> <div>North Street from Main Street to Barnstable Road</div>	Local	0.84	<ul style="list-style-type: none">2-lane undivided roadwaySidewalk facilities157 crashes (2 serious injuries, 2 bicyclists, 9 pedestrians)	Failed to yield right of way/ Followed too closely/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Inattention/ Failed to yield right of way/ Failure to keep in proper lane or running off road/ Distracted	Complete Streets Project (Upgrade pedestrian facilities) HSIP Clusters – North Street at Stevens Street, North Street at Bassett Lane	Short-Term
						<ul style="list-style-type: none">Update traffic signals; backplates with retroreflective borders, signal timing changes, modern pedestrian signal equipment North Street at Bassett Lane, North Street at High School Road Ext, North Street at Winter Street, inclusion of decorative crosswalk markingsSS4A RSA location North Street at Stevens Street and North Street from west of Winter Street to Sea Street ExtensionRemove on-street parking space in front of North Street approach by Barnstable RoadIncorporate elements from the Hyannis Great Streets at the West Main Street Rotary such as the bike lane pavement marking and along North Street from Main Street to Barnstable Road.
						Long-Term
						<ul style="list-style-type: none">Implement the Hyannis Great Streets.Intersection improvement North Street at Stevens StreetInstall shared use path from West End Rotary to Steven Streets

HIN – Corridor/ Intersection	Jurisdiction	Length (miles)	Characteristics	Contributing Factors	Studied/ Previous Planning	Potential Countermeasures
<div>F</div> <div>Main Street from West End Rotary to Bayview Street</div>	Local	1.44	<ul style="list-style-type: none">2-lane undivided roadwaySidewalk facilities on both sidesIncludes white edge lineIncludes signage “motorists give 4 feet to pass”Limited section includes on-street parkingIncludes wayfinding and placemaking signage “Hyannis Main Street”302 crashes (7 serious injuries, 13 bicyclists, 12 pedestrians)	Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Inattention/ Failed to yield right of way/ Disregarded traffic signs, signals, road markings/ Failure to keep in proper lane or running off road/ Followed too closely/ Driving too fast for conditions/ Distracted		
						Short-Term
						<ul style="list-style-type: none">Main Street from West End Rotary to Center Street/Old Colony Road is part of the Hyannis Great Streets, which has been designed.SS4A RSA Location Main Street from Old Colony Road/Center Street to Camp Street and Main Street at High School Road.Conduct a RSA Main Street at Lewis Bay Road/Camp Street
<div>G</div> <div>Santuit Newtown Road from Falmouth Road (Route 28) to Sandwich Townline</div>	Local / MassDOT (Route 28)	3.09	<ul style="list-style-type: none">2-lane undivided roadwayPosted Speed Limit: 30 mphLimited sidewalk facilitiesIncludes white edge lines28 crashes	Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Inattention/ Failed to yield right of way/ Followed too closely/ Failure to keep in proper lane	Complete Streets Project (Sidewalk installation)	
						Short-Term
						<ul style="list-style-type: none">Install midblock crosswalks with RRFBsInstall transverse pavement markings near proposed midblock crosswalksInstall solar speed feedback signsInstall flashing LED STOP signs Newtown Road at Wakeby Road, Newtown Road at Lake Shore Drive/River RoadIntersection improvements Newtown Road at Wakeby RoadInstall advanced warning signs for horizontal alignment
<div>H</div> <div>West Main Street from Falmouth Road (Route 28) to Pitchers Way</div>	Local / MassDOT (Route 28)	1.6	<ul style="list-style-type: none">2-lane undivided roadwaySidewalk facilitiesIncludes white edge lines308 crashes (6 serious injuries, 6 bicyclists, 9 pedestrians)	Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/Failure to keep in proper lane/ Disregarded traffic signs, signals, road markings/ Driving too fast for conditions/ Distracted/ Inattention/ Failed to yield right of way	Complete Streets Project (Construct a new SUP) HSIP Clusters – West Main Street at Lincoln Road Main Street at Pine Street (convert to a traffic signal)	
						Short-Term
						<ul style="list-style-type: none">Update traffic signals; backplates with retroreflective borders, signal timing changes, modern pedestrian signal equipment West Main Street at Route 28, West Main Street at Strawberry Hill RoadAt existing midblock crosswalks, include RRFBs such as near The Daily Paper, east of Pine Street, and Dunkin’ after The Daily Paper
<div>I</div> <div>Falmouth Road (Route 28) from Mashpee Townline to Airport Rotary</div>	MassDOT	9.32	<ul style="list-style-type: none">2-lane undivided roadwayShared use path1,532 crashes (6 fatal, 27 serious injuries, 17 bicyclists, and 13 pedestrian)	Visibility obstructed/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Inattention/ Failed to yield right of way/ Followed too closely/ Failure to keep in proper lane or running off road/ Disregarded traffic signs, signals, road markings/ Driving too fast for conditions	Visibility obstructed/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Inattention/ Failed to yield right of way/ Followed too closely/ Failure to keep in proper lane or running off road/ Disregarded traffic signs, signals, road markings/ Driving too fast for conditions	
						Short-Term/Long-Term
						<ul style="list-style-type: none">Incorporate RSA recommendations Route 28 at Bearses WayIncorporate elements of the cross sections from the Cape Cod Route 28 Corridor StudySS4A RSA Location Falmouth Road at South County Road and Falmouth Road from Old Stage Road to Phinneys LaneIncorporate recommendations from Cape Cod Commission Route 28 Cotuit Corridor Study (2017)
<div>J</div> <div>Iyannough Road (Route 132) from Route 6 to Bearses Way</div>	MassDOT	1.6	<ul style="list-style-type: none">4-lane divided roadwaySidewalk facilitiesPosted Speed Limit: 45 mph299 crashes (1 fatal, 2 serious injuries, 1 bicyclist, 2 pedestrians)	Failed to yield right of way/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Made an improper turn/ Inattention/ Failure to keep in proper lane or running off road/ Distracted/		
						Short-Term
						<ul style="list-style-type: none">Evaluate traffic signals and queuingLong-TermInstall edge line rumble stripsInclude streetscape elements (limited ROW)
						Long-Term
						<ul style="list-style-type: none">Install edge line rumble stripsInclude streetscape elements (limited ROW)

Town Profile

BARNSTABLE – MID CAPE

HIN – Corridor/ Intersection	Jurisdiction	Length (miles)	Characteristics	Contributing Factors	Studied/ Previous Planning	Potential Countermeasures
<div><div>K</div><div>Iyannough Road (Route 28) from Airport Rotary to Yarmouth Townline</div></div>	MassDOT	0.94	<ul style="list-style-type: none">• 2-lane undivided roadway• Limited sidewalk facilities• 345 crashes (1 fatal, 2 serious injuries, 6 bicyclists, 1 pedestrian)	Inattention/ Distracted/ Failed to yield right of way/ Followed too closely/ Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Failure to keep in proper lane/ Followed too closely/ Exceeded authorized speed limit	Complete Streets Project (Construct a new SUP and upgrade signals) HSIP Clusters – Iyannough Road at East Main Street, Iyannough Road at Town Brook Road	
						Short-Term
						<ul style="list-style-type: none">• Consideration for narrow travel lanes (10-11 feet)• Intersection improvements Route 28 at Yarmouth Road (TIP 606272). Route 28 at Yarmouth Road is currently under construction
						Long-Term
						<ul style="list-style-type: none">• Roundabout retrofit upgrades to Airport Rotary and shared use path (TIP 610926)• Widen sidewalk and convert to shared-use path (TIP 608264)
<div><div>L</div><div>Main Street (Route 6A) from Hyannis Barnstable Road to Yarmouth Townline</div></div>	MassDOT	2.15	<ul style="list-style-type: none">• 2-lane undivided roadway• Sidepath• 48 crashes (3 serious injuries, 1 bicyclist)	Operating vehicle in erratic, reckless, careless, negligent or aggressive manner/ Inattention/ Failure to keep in proper lane or running off road/ Inattention/ Followed too closely		
						Short-Term
						<ul style="list-style-type: none">• Identify midblock crossings with RRFBs
						Long-Term
						<ul style="list-style-type: none">• Include streetscape elements and lighting