



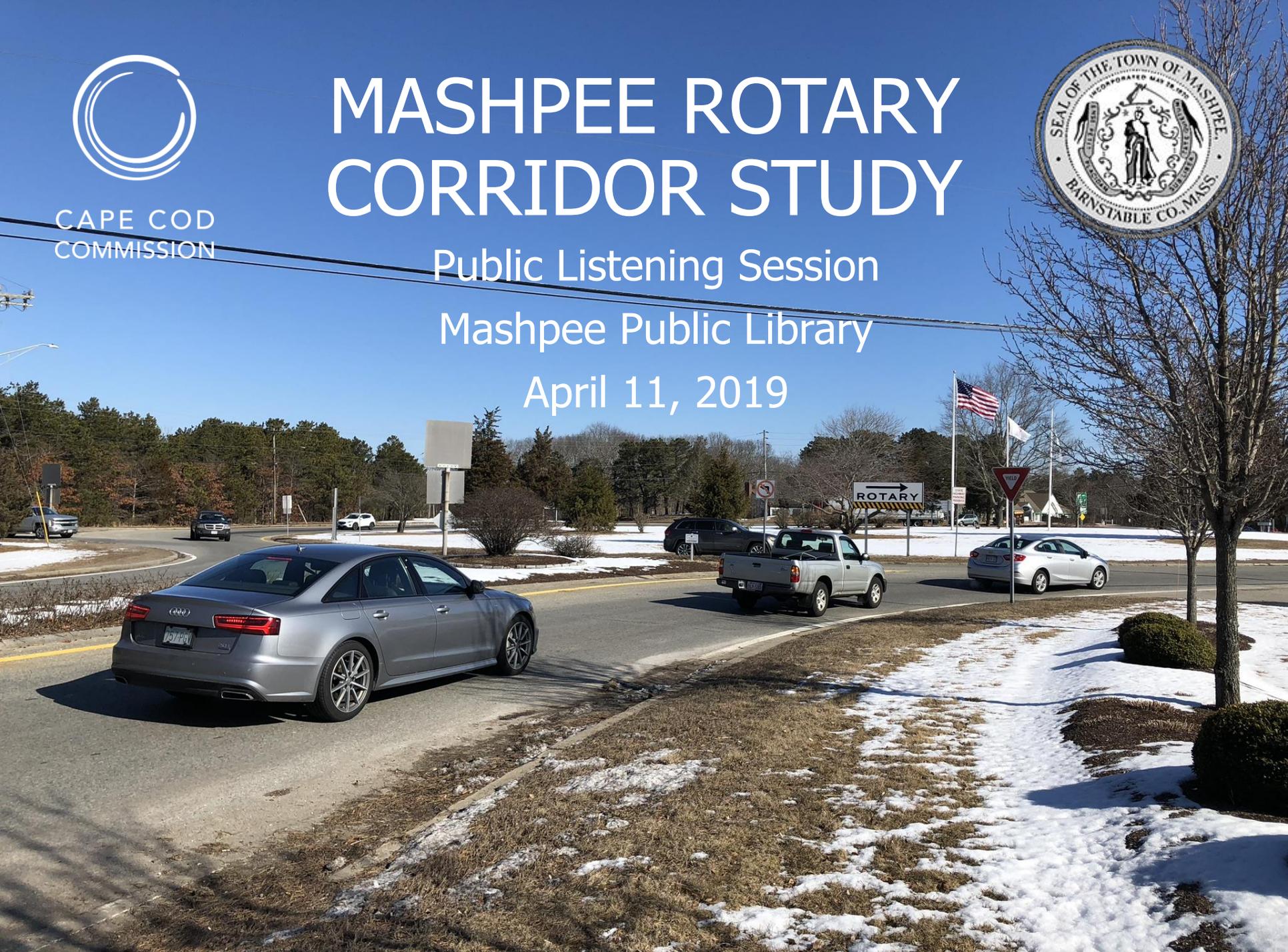
CAPE COD  
COMMISSION

# MASHPEE ROTARY CORRIDOR STUDY

Public Listening Session

Mashpee Public Library

April 11, 2019



# AGENDA

- Welcome + Introductions
- Project Overview
- Existing Conditions
- Visioning Exercise
- Next Steps



# MASHPEE ROTARY

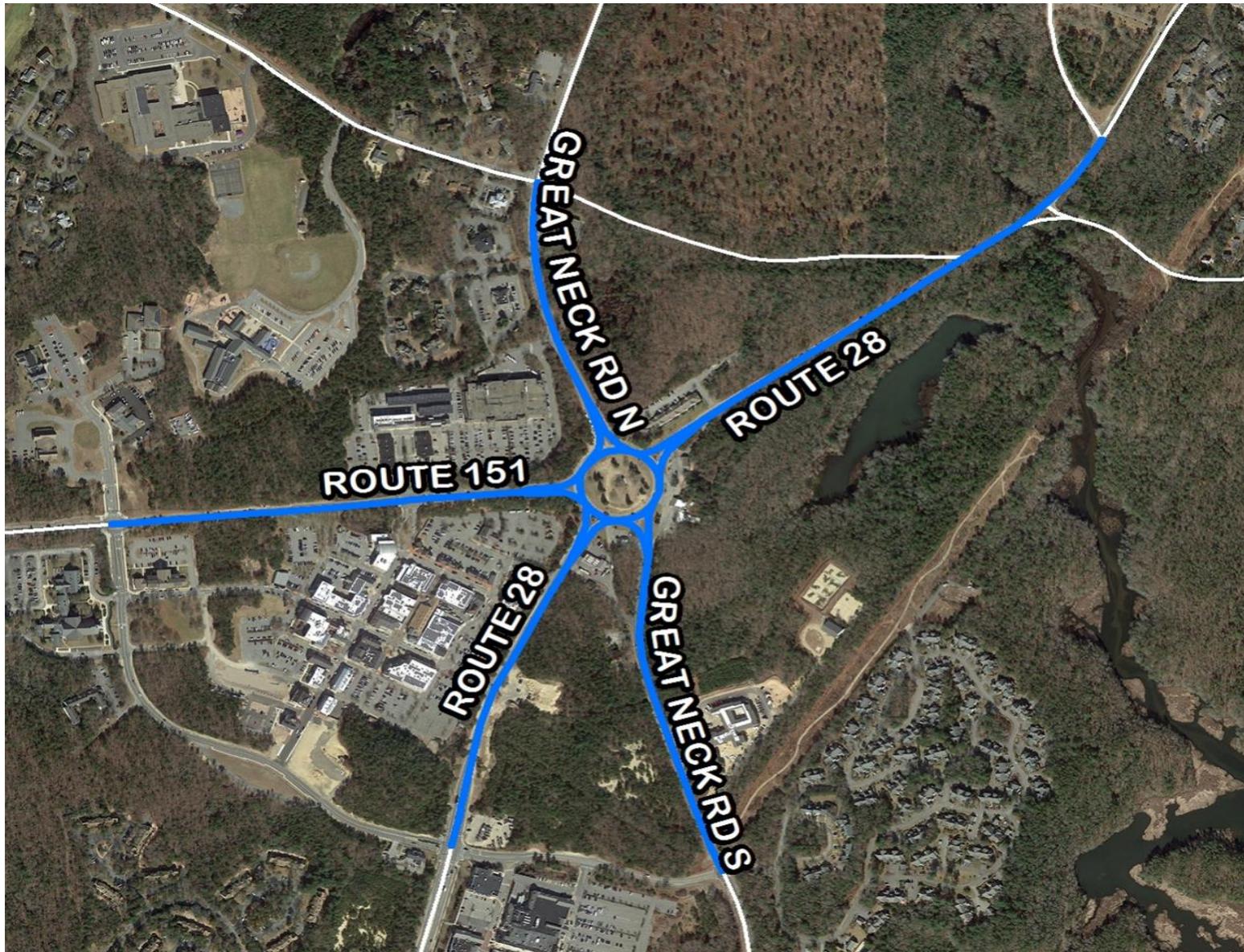
## CORRIDOR STUDY PROJECT SUMMARY



## BACKGROUND

This study is funded by the Massachusetts Department of Transportation through the Federal Fiscal Year 2019 Unified Planning Work Program as approved by the Cape Cod Metropolitan Organization

# STUDY AREA



# PROJECT GOALS

Improve Safety



Reduce Congestion



Accommodate All Users



# PROJECT OVERVIEW

Develop alternatives that will provide **safe** and convenient access within the study area for all users of the roadway system including pedestrians, bicyclists, transit users, and motorists.

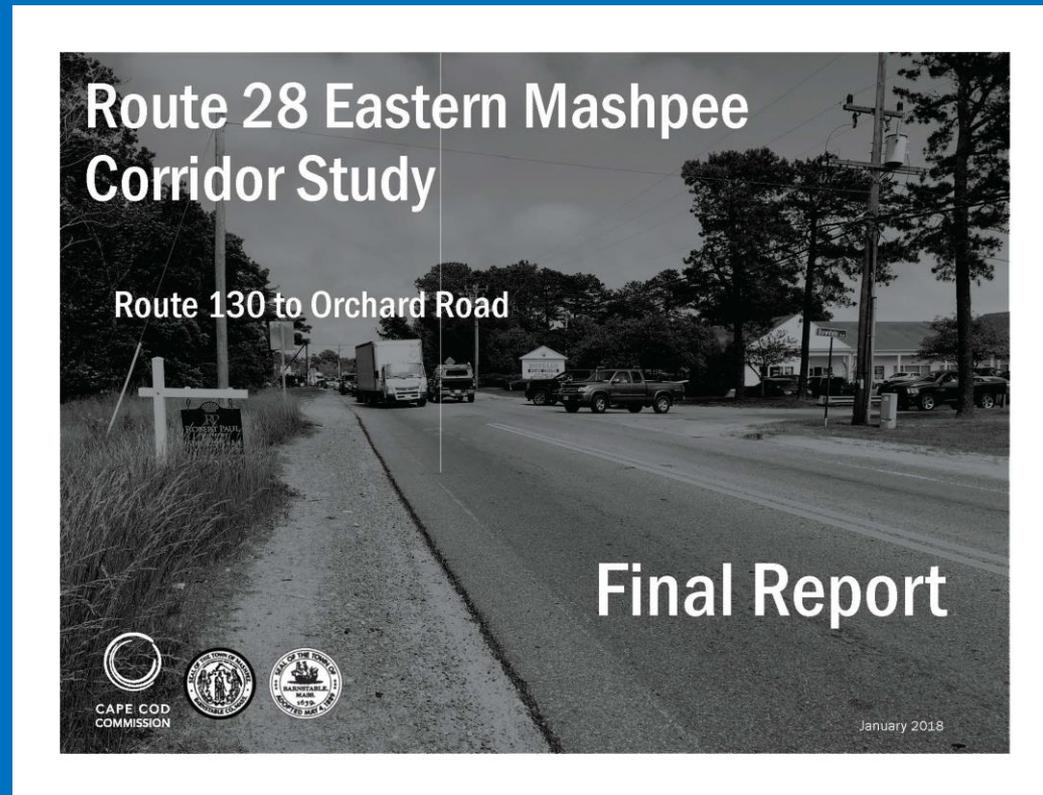


# PROJECT SCHEDULE

Task	Product	MAY- JAN '19	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
Task 1: Project Initiation	<i>SOW &amp; PPP</i>		◆								
Task 2: Data Collection, Mapping, and Site Visit	<i>Data and Maps for Other Tasks</i>										
Task 3: Listening Session	<i>Summary of Listening Session</i>			◆	◆						
Task 4: Concept Development and Refinement	<i>Concepts for Public Meeting</i>										
Task 5: Public Review of Concepts	<i>Summary of Public Meeting</i>							◆	◆		
Task 6: Draft and Final Report	<i>Draft and Final Report</i>									◆	
		 - Coordination Meeting(s)  - Public Meeting(s)									

# OTHER PROJECTS

- Route 28 Eastern Mashpee Study (CCC)
- Route 151 Corridor Improvements (Town/MassDOT)
- Route 28 at Donna's Lane Signal Improvements (MassDOT)
- Regional Transportation Plan (RTP) Outreach
- Land Use and Zoning Discussions



# ROUTE 28 EASTERN MASHPEE Route 130 to Orchard Road

Completed January 2018 by Cape Cod Commission

Recommendations included:

- Sidewalk or multi-use path on Route 28
- Left-turn pockets
- Bus stop upgrades
- Consideration of Bowdoin Road roundabout/traffic signal



# ROUTE 151 CORRIDOR IMPROVEMENTS

Roadway Safety Audit (April 2018)

- Route 151 at Job's Fishing Road/Frank E Hicks Drive

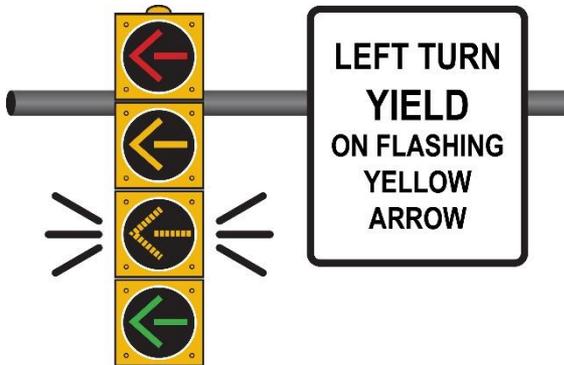




# Route 28 at Jobs Fishing Rd Signal Improvements

MassDOT project

- Flashing Yellow Arrow Upgrades
- Pedestrian Signal Head Countdown Heads
- Curb Ramp upgrades



# 2020 REGIONAL TRANSPORTATION PLAN

## Outreach meetings Feb 2019

- Eastham, Mashpee and Hyannis

## 25-Year Regional Vision

- Goals
- Objectives
- Performance Measures
- Policies and Strategies



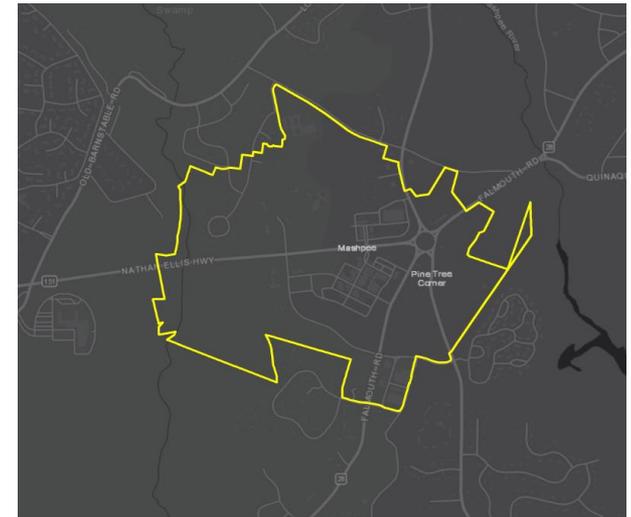
## Additional Outreach Meetings

- May/June 2019

<http://www.capecodcommission.org/RTP>

# 2018 CAPE COD REGIONAL POLICY PLAN

- Vision for the Future
  - Protect the region's natural resources to provide vital ecosystems services
  - Focus economic revitalization in existing centers of activity
- Identification of Community Activity Centers



NATURAL AREAS

RURAL DEVELOPMENT AREAS

SUBURBAN DEVELOPMENT AREAS

HISTORIC AREAS

MARITIME AREAS

COMMUNITY ACTIVITY CENTERS

INDUSTRIAL ACTIVITY CENTERS

MILITARY AND TRANSPORTATION AREAS

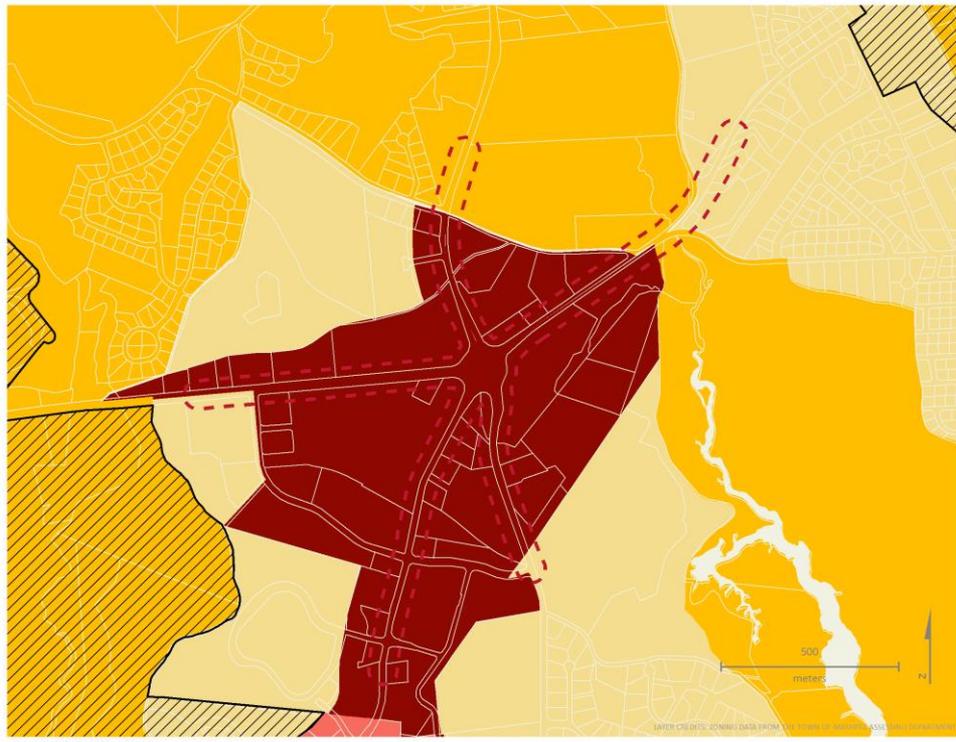
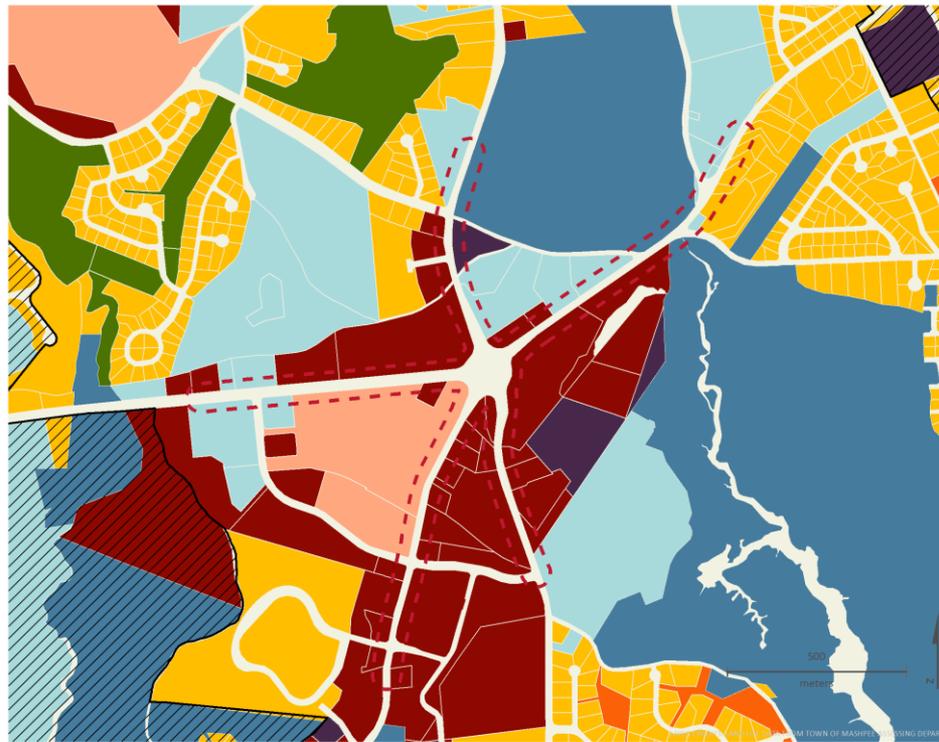


# LAND USE PLANNING ↔ TRANSPORTATION PLANNING



# REGIONAL POLICY PLAN ↔ REGIONAL TRANSPORTATION PLAN

# LAND USE AND ZONING



## MASHPEE ROTARY LAND USE

- STUDY AREA
- GROUNDWATER DISTRICT

### LAND USE CODE

- RESIDENTIAL
- RECREATIONAL PROPERTY
- COMMERCIAL
- OPEN SPACE
- INDUSTRIAL
- EXEMPT OTHER
- MULTIPLE USE
- CONSERVATION / RECREATION



## MASHPEE ROTARY ZONING

- STUDY AREA
- GROUNDWATER DISTRICT

### ZONING

- C1
- I1
- R3
- R5



The information depicted on these maps is for planning purposes only. It is not adequate for legal boundary definition, regulatory interpretation, or parcel level analysis. It should not be substitute for actual on-site survey, or supersede deed research.

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# EXISTING CONDITIONS

- Site Visit
- Data Collection
  - Traffic Counts
  - Multi-Modal Accommodations
  - Crash Reports

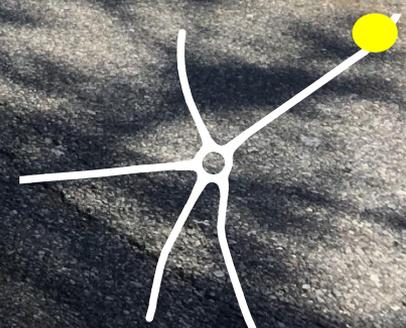
# SITE VISIT



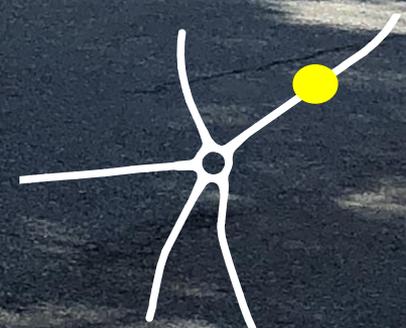
Motorized  
Vehicles  
Prohibited



# Route 28 at Meetinghouse Road



# Route 28 at Quinaquisset Avenue



# Great Neck Road North at Old Barnstable Road



# Mashpee Rotary towards Falmouth



# Rotary Curb Cuts



# Entering the Rotary from Great Neck Road South



# Route 151 Approaching Rotary



# Route 151 at Market Street



# Route 28 at Mashpee Commons Driveway (North)



# Route 28 at Mashpee Commons Driveway (South)



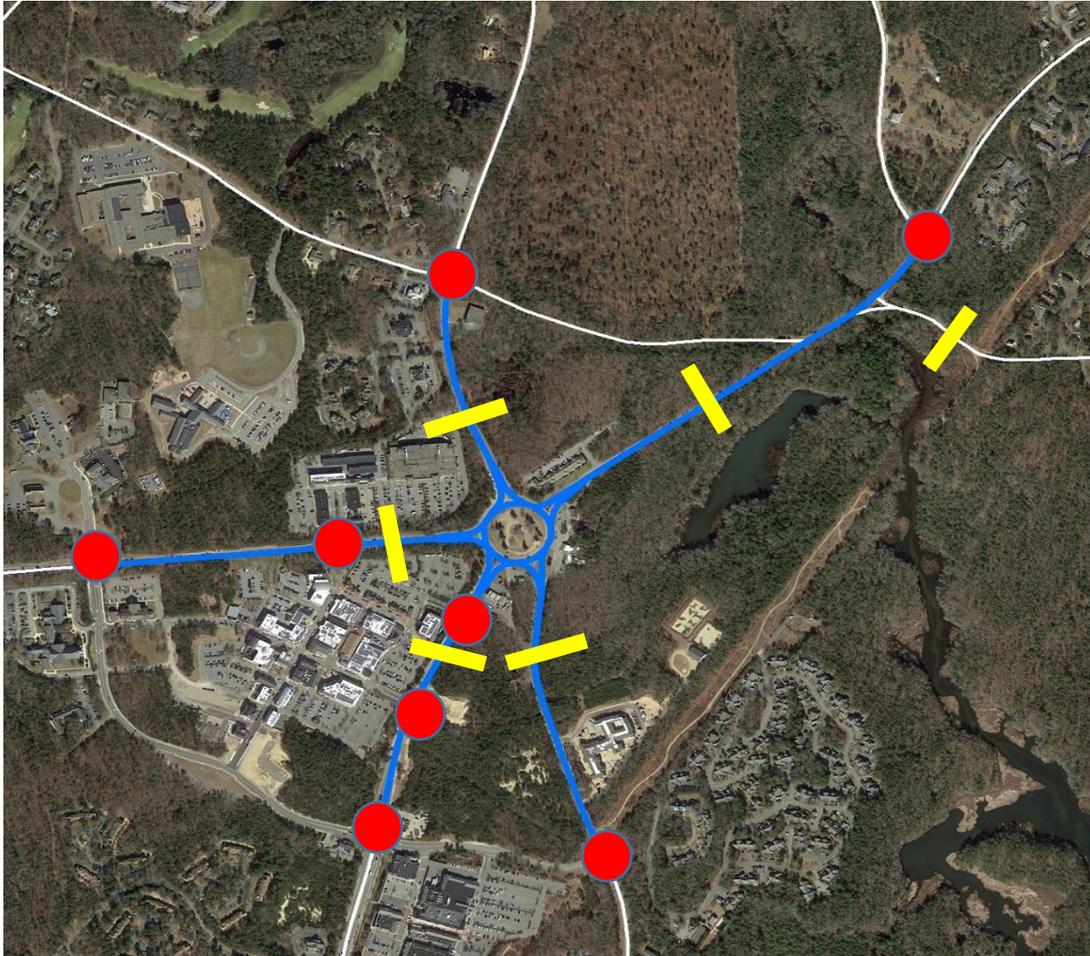
# Route 28 at Shellback Way/Charles Street



# Great Neck Road South at Donna's Lane/Windchime Way



# DATA COLLECTION

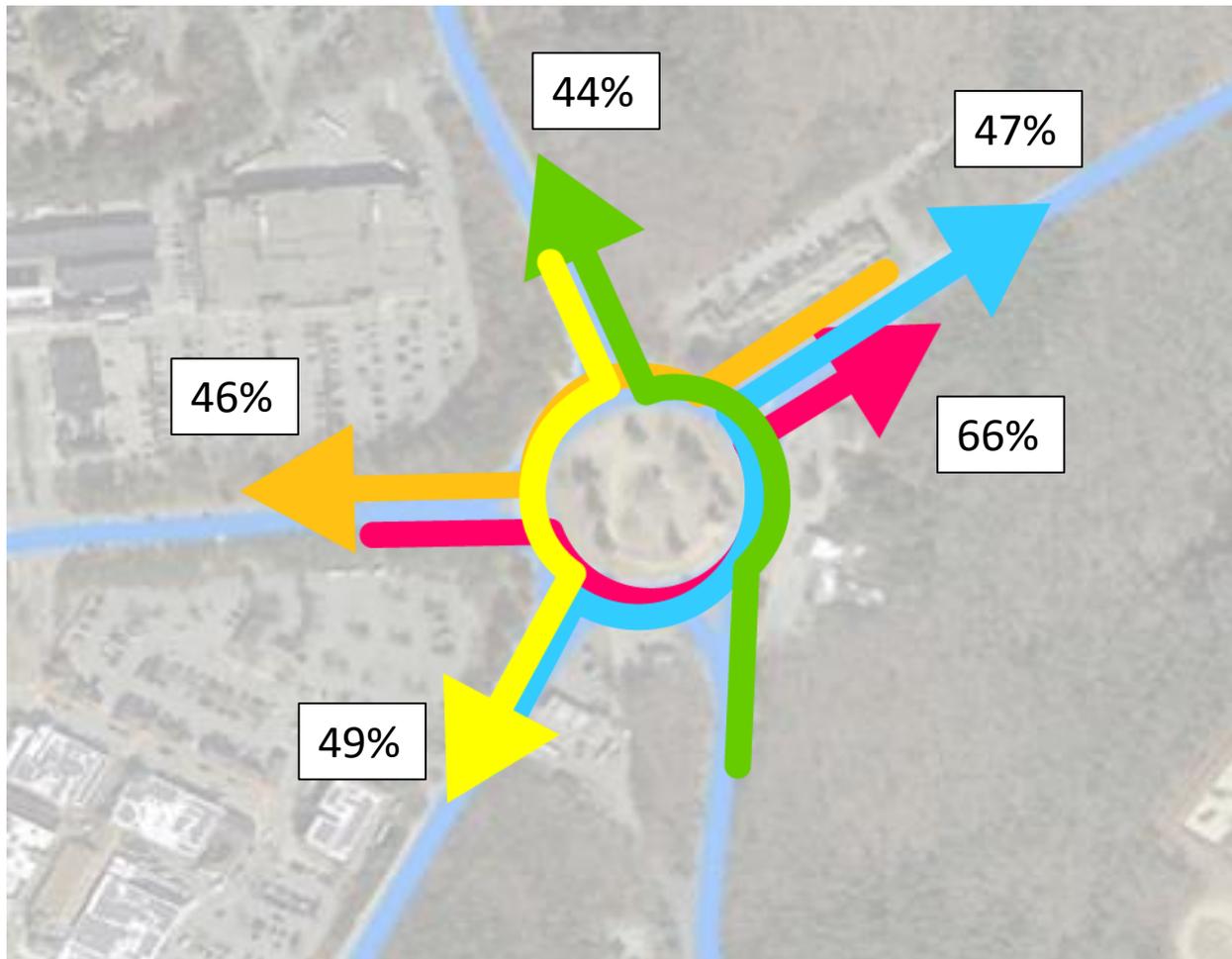


Traffic Counts – Summer 2018

 Average Daily Traffic counts (ADT)

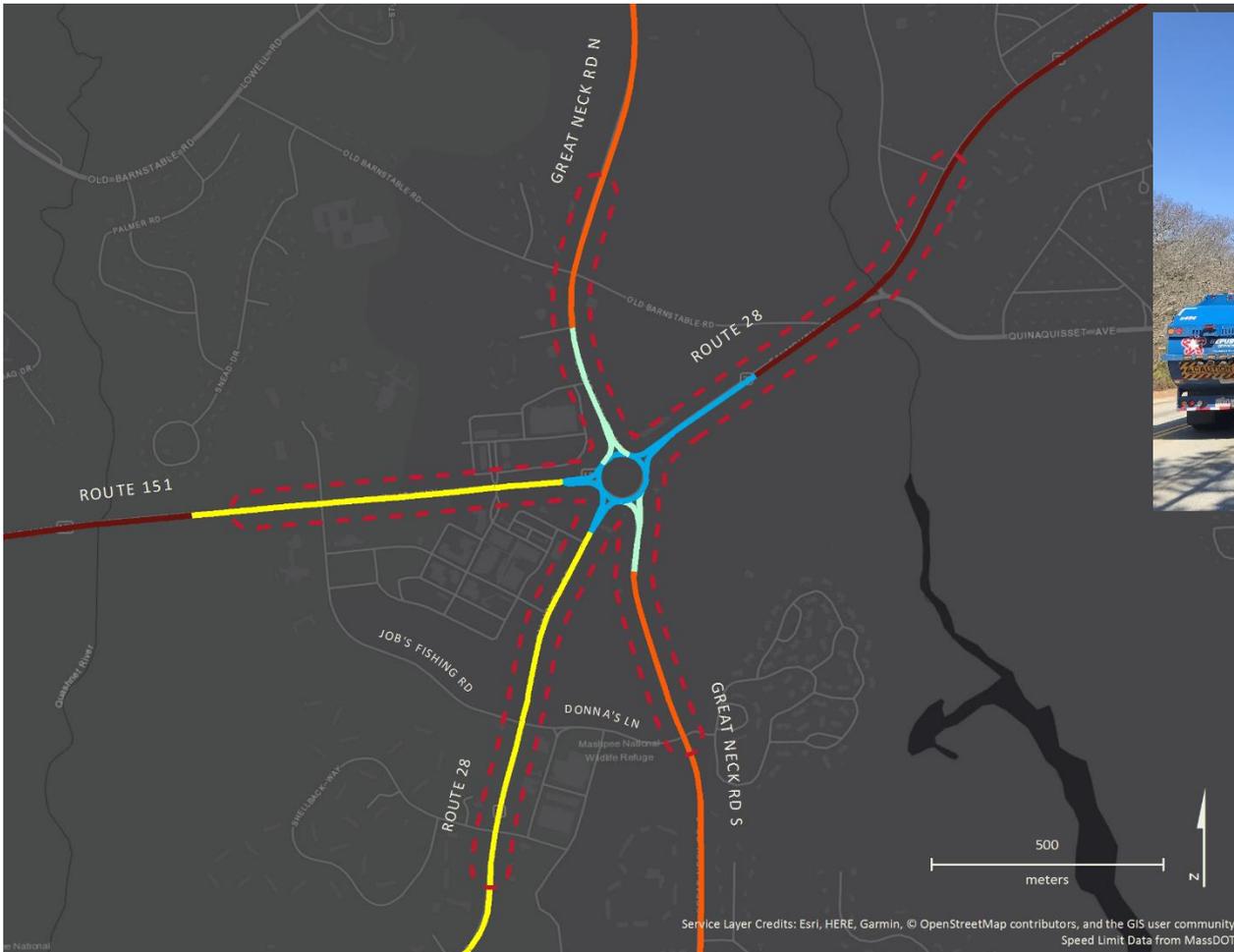
 Intersection Counts (4-6PM)

# ROTARY MOVEMENTS



Origin-  
Destination  
Study  
(PM Peak Hour)

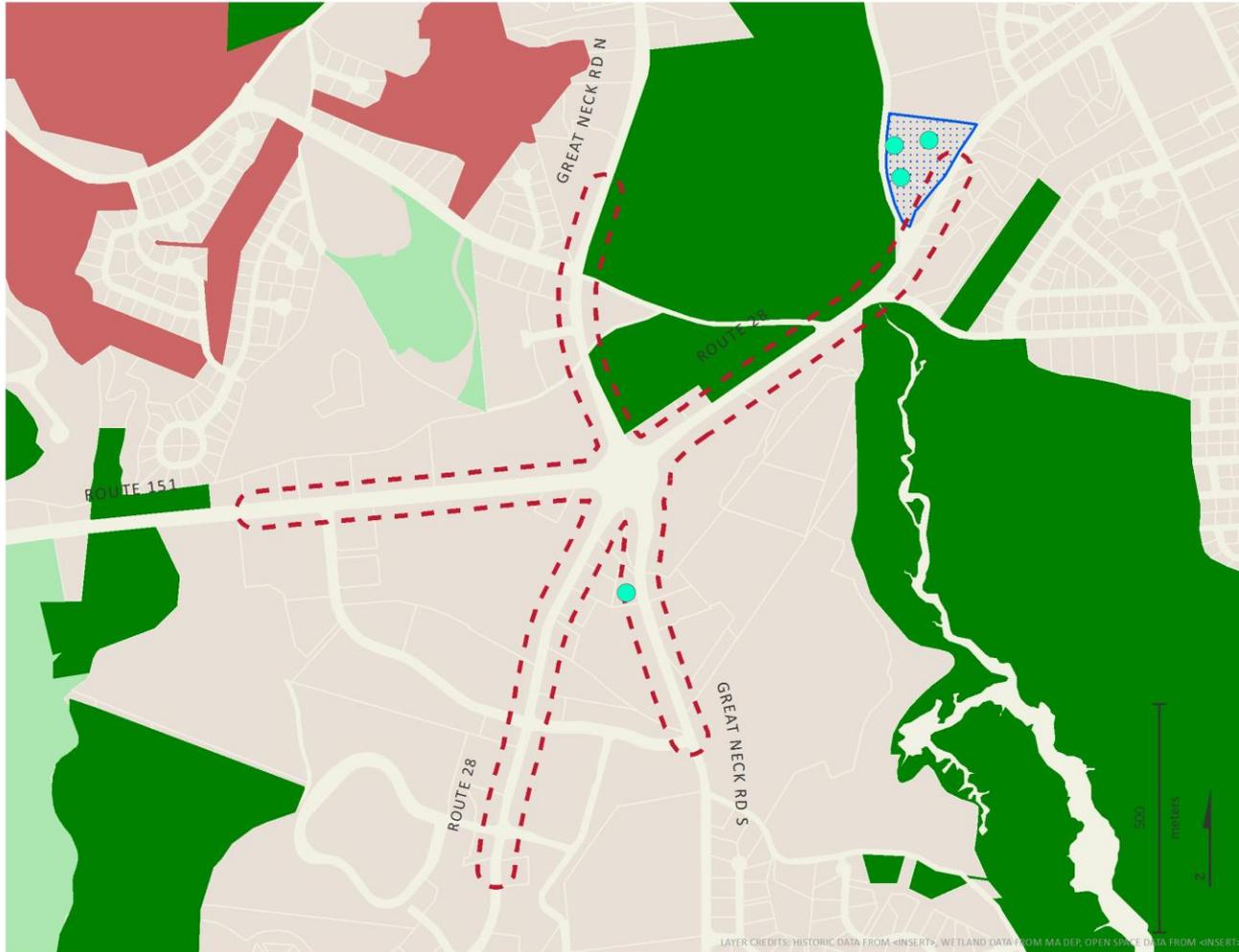
# SPEED LIMITS



## SPEED LIMIT

- 20 MPH
- 25 MPH
- 40 MPH
- 45 MPH
- 50 MPH

# OPEN SPACE, WETLANDS, AND HISTORIC PROPERTIES

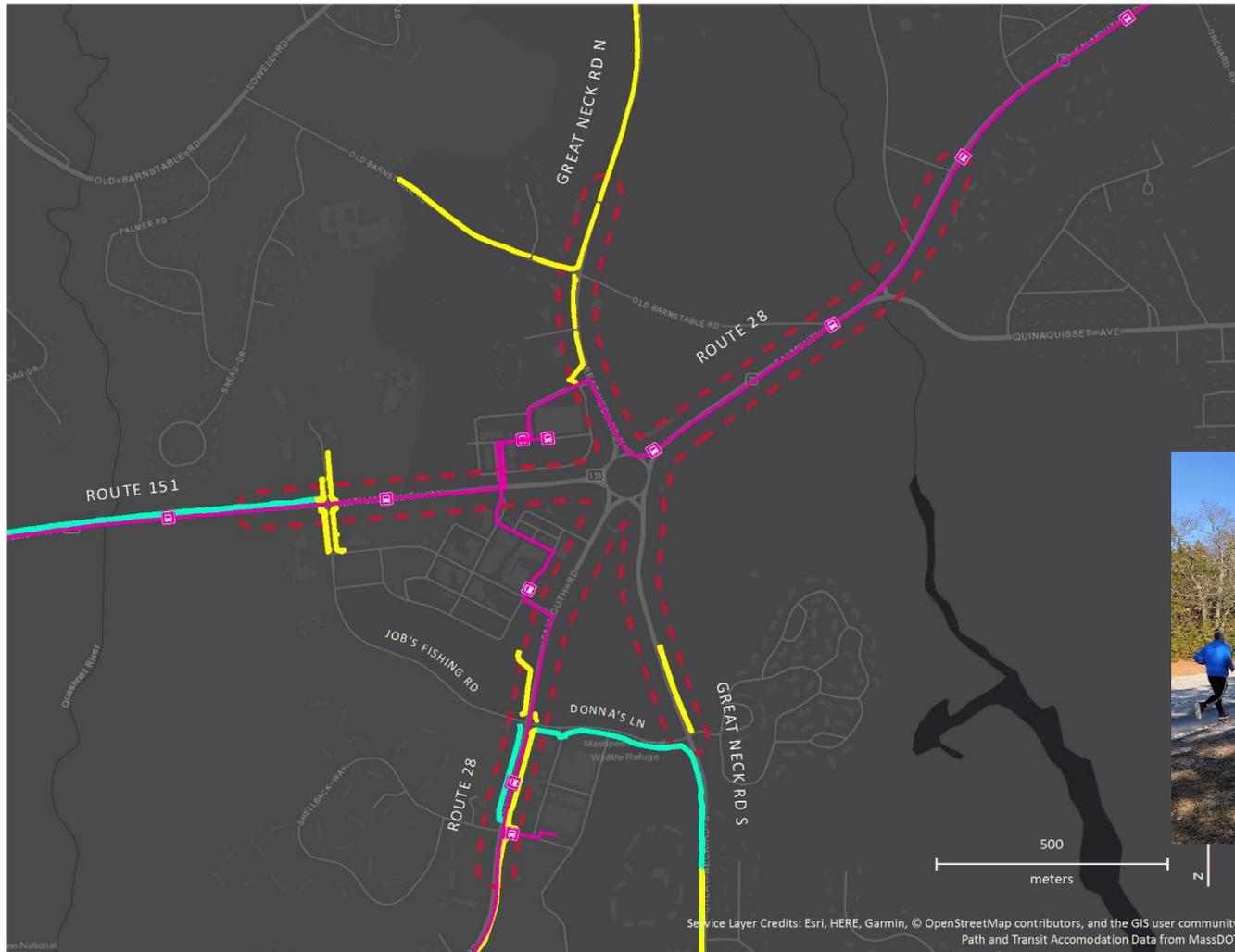


- STUDY AREA
- HISTORIC PLACE
- HISTORIC AREA
- WETLAND

## OPEN SPACE - PROTECTION LEVEL

- IN PERPETUITY
- LIMITED
- NONE

# EXISTING CONDITIONS: MULTI-MODAL ACCOMMODATIONS



- STUDY AREA
- SIDEWALK
- 🚌 BUS ROUTE
- MULTI-USE PATH



# EXISTING CONDITIONS: BIKE/PED ACCOMODATIONS



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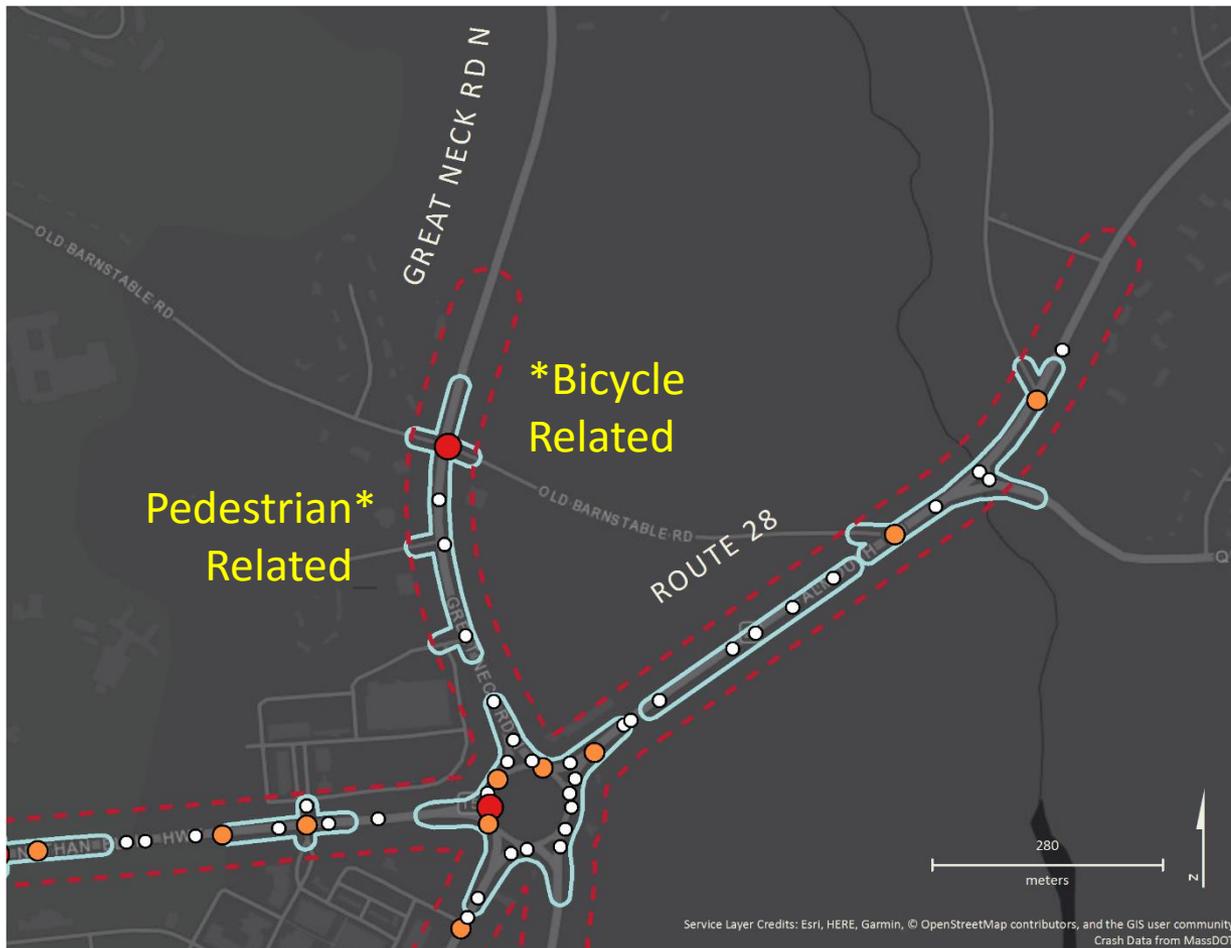
# EXISTING CONDITIONS: TRANSIT

- Cape Cod Regional Transit Authority
  - Sealine (Falmouth - Hyannis)
  - Bourne Run (Wareham – Mashpee)
- Others



# EXISTING CONDITIONS: SAFETY

MassDOT Crash Data (2012-2016)



CRASH COUNT

○ 1 - 10

● 10 - 25

● 25 +

— STUDY AREA

□ INTERSECTION AREA

# EXISTING CONDITIONS: SAFETY

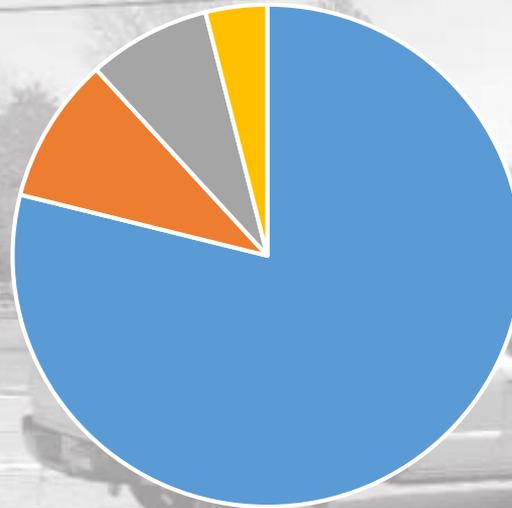
MassDOT Crash Data (2012-2016)



# Mashpee Rotary Crashes

Manner of Collision

128 Total crashes  
25 injury crashes



■ Rear End ■ Sideswipe ■ Single Vehicle ■ Other

**\*A Top 50 Crash Location on Cape Cod**

# VISIONING EXERCISE

- What are the things you **LIKE** in this area?
- What are the **ISSUES** you see?
- What would you like to see **CHANGED**?
- Focus on the **ROADWAY, SIDEWALKS, AND PATHS**
- All thoughts are welcomed

Please sign up on the sign in sheet to be involved with follow-up meetings and be included in the project email list.



# NEXT STEPS

- Review and Summarize Input from Today's Meeting
- Concept Development and Analysis  
Summer 2019
- Public Meeting: Review of Draft Concepts  
Late Summer/Early Fall 2019
- Draft and Final Report  
Fall 2019

# THANK YOU



For more information:

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