

Bay Road | Shelburne, VT Pedestrian and Bicycle Mobility Study



Local Concerns Meeting
October 25, 2016

Bay Road | Shelburne, VT

Pedestrian and Bicycle Mobility Study



Agenda & Overview

Project Background

Review Existing Conditions

Schedule & Next Steps

Comments & Discussion

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Pedestrian and Bicycle Mobility Study



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Pedestrian and Bicycle Mobility Study



The Town of Shelburne, with assistance from the Chittenden County Regional Planning Commission (CCRPC) is conducting a scoping study along the Bay Road corridor.

“Scoping” is the phase in the Project Development process that moves a recognized problem from an idea through the development of alternatives and environmental screening.



Project Study Area

Harbor Road to Shelburne Road (US Route 7)





Project Study Area

Roadway Characteristics

Bay Road

Functional classification	Urban Collector
Jurisdiction	Town
Right-of-way width (feet)	4-Rods (66')
Roadway width (feet)	24' (12' travel lanes)
Widths recommended by VT State Design Standards	11' travel lanes, 3' shoulders (to accommodate bicycles)
2012 AADT**	2,500
Posted speed limit	35 mph

*Town of Shelburne

**AADT= Average Annual Daily Traffic

Project Study Area

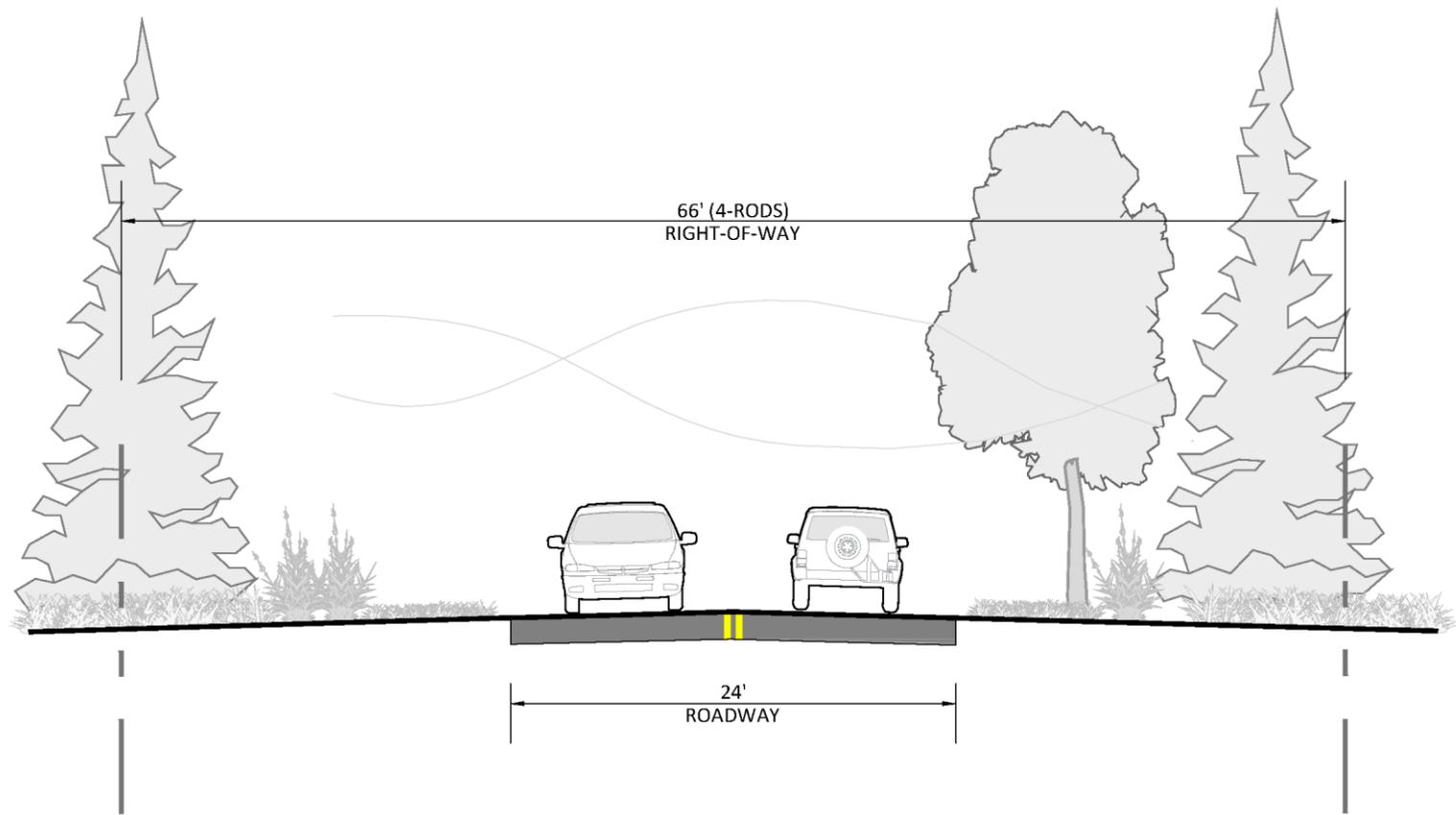
Roadway Characteristics – Typical



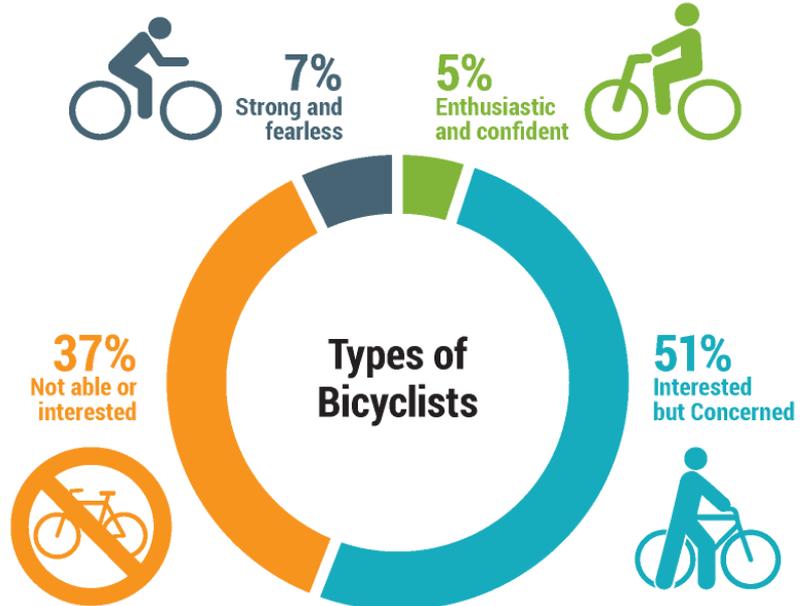


Project Study Area

Roadway Characteristics – Typical Cross Section



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Bicyclists generally fall into one of four categories based on their level of comfort:

- 

Strong and Fearless bicyclists will ride in any road conditions or environment.
- 

Enthusiastic and Confident bicyclists will ride comfortably on most types of streets, but may be uncomfortable in certain situations or road conditions.
- 

Interested but Concerned bicyclists require physical bicycle infrastructure improvements before they will want to ride.
- 

People who identify as **No Way, No How** will not ride a bicycle, no matter the circumstances.



Project Study Area

LaPlatte River Bridge Characteristics

- Bridge was constructed 1948
- Bridge inspection occurs on a two-year frequency conducted by Vermont Agency of Transportation (VTrans) and submitted to Federal Highway Administration (FHWA) July 2016
- Federal Sufficiency Rating (FSR) 40.6 out of 100 (FSR of 50 percent or less is needed to qualify for federal replacement funds)
- Bridge width is 24 feet (guardrails scheduled for replacement)*

*Does not currently meet Vermont State Standards





Project Study Area

Vermont Railway Bridge Characteristics

- Bridge was constructed 1912
- Bridge inspection is the responsibility of the Railroad Operator (Latest November 2015)
- Serious deterioration 4 (Numerical Rating scale from 1-9)- Bridge must also meet federal compliance and standards
- Underpass width approximately 21 feet*

*Does not currently meet Vermont State Standards



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Purpose and Need



Purpose:

- Evaluate and identify the walking and bicycling alternatives for developing a safe route on Bay Road between Harbor Road and Shelburne Road (US Route 7), approximately 1.7 miles.

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Purpose and Need

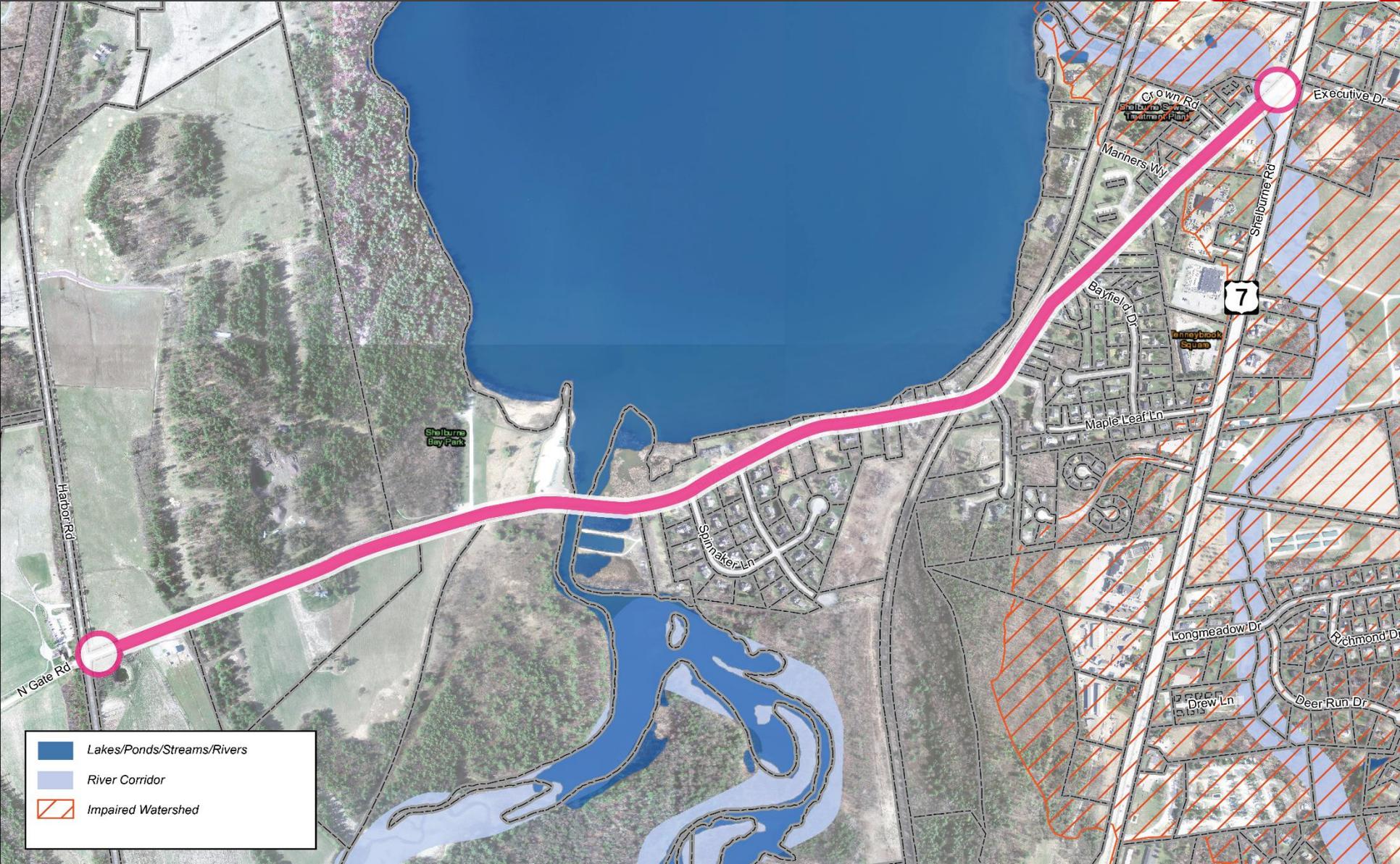


Need:

- Create a preferred alternative for walking and bicycling on Bay Road that connects existing paths with destinations along the corridor.
- Maximize safety for users walking and bicycling in this corridor.
- Support future walking and bicycling connections in the Town of Shelburne.
- To provide a preferred alternative with opinion of probable construction costs to serve as a basis for the Town to apply for grant applications.

Natural Resources

Lakes/Ponds/Streams/Rivers

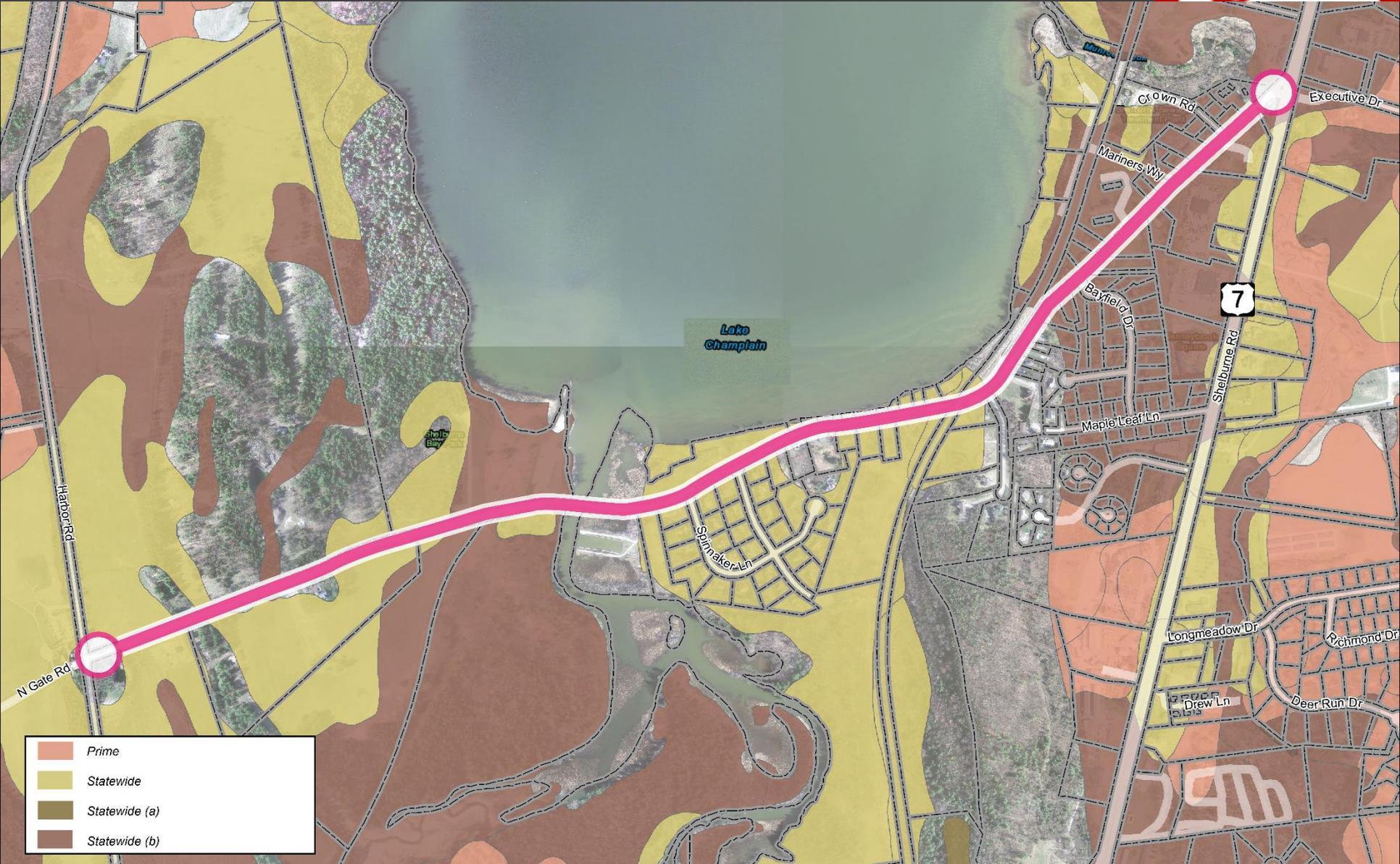


Natural Resources Wetlands/Hydric Soils

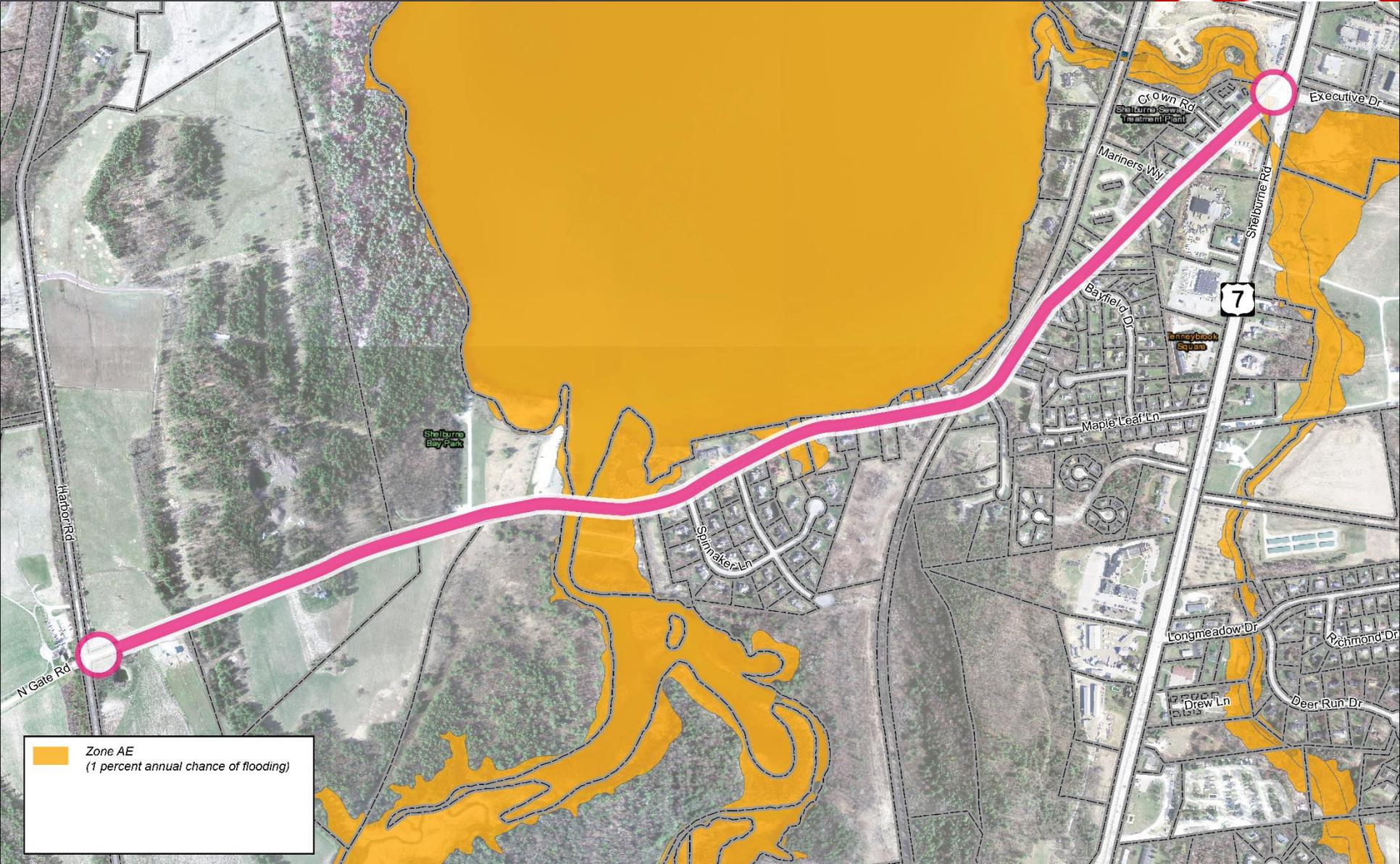


-  Class II Wetlands
-  Wetland Advisory
-  Hydric Soils

Natural Resources Agricultural Lands



Natural Resources Flood Hazard Areas



 Zone AE
(1 percent annual chance of flooding)

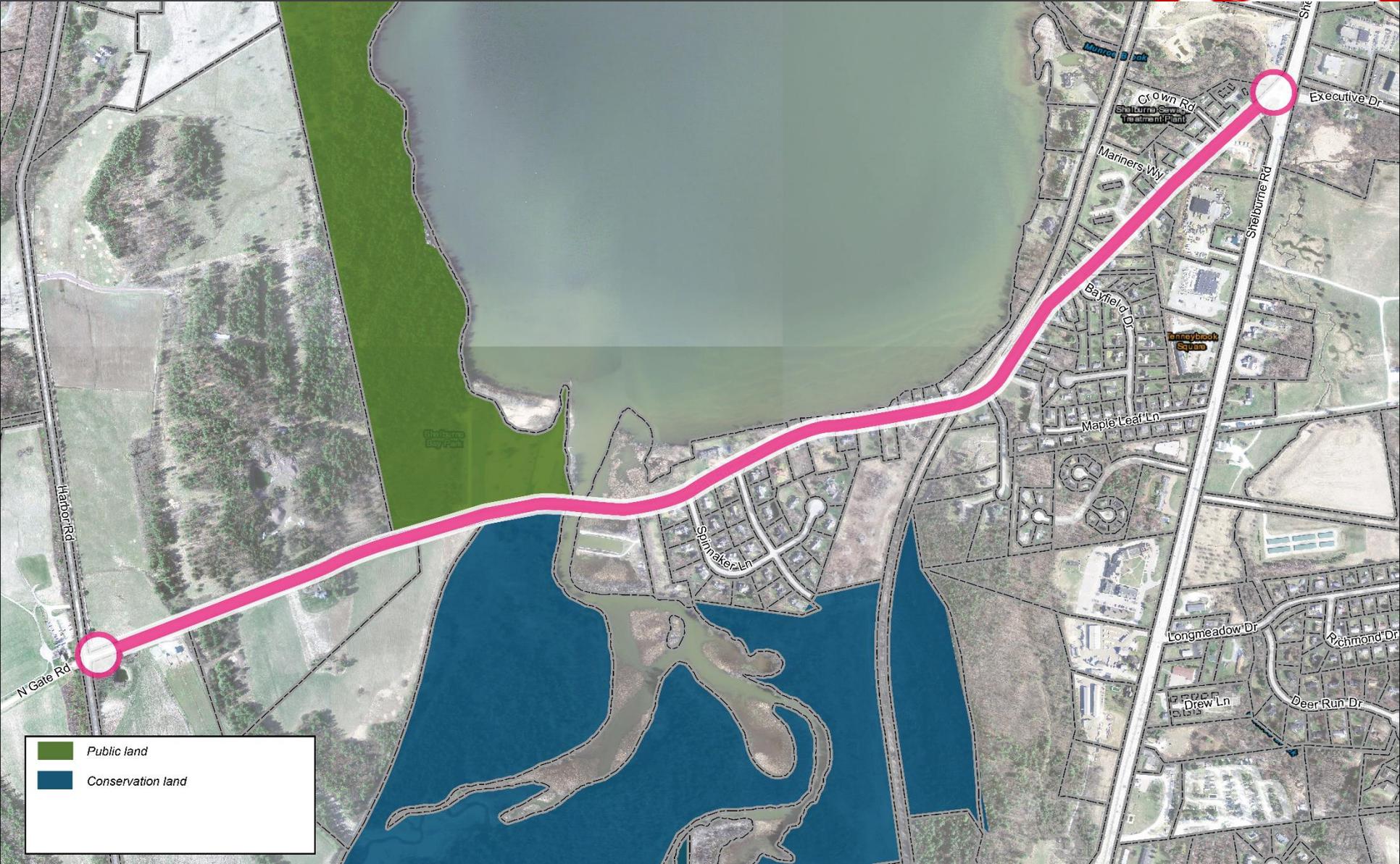
Natural Resources

Rare, Threatened, or Endangered Species



	Threatened or Endangered
	Rare

Natural Resources Public and Conservation Lands



Public land
Conservation land

Built Environment Existing Utilities



-  Vermont Gas line
-  Town sewer line
-  Town stormdrain line
-  Town water line



Cultural Resources

- **Historic Preservation**
 - Potential impacts to landscape features or historic plantings
- **Archeological**
 - Moderate to High precontact deposits
 - Low to Moderate historic deposits
- **Historic Preservation**
 - Potential impacts to landscape features or historic plantings associated with historic structures



HARTGEN
archeological associates inc

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Corridor Issues:

- Observed vehicular traffic speeds
- Presence of travel trailers, boat trailers and heavy equipment
- Bridge structures
- Existing utilities
 - Utility poles, hydrants, underground
- Topography/visibility
 - Sight lines
 - Horizontal/vertical curves
- Natural features
 - Ledge/rock outcroppings
 - Rivers and streams



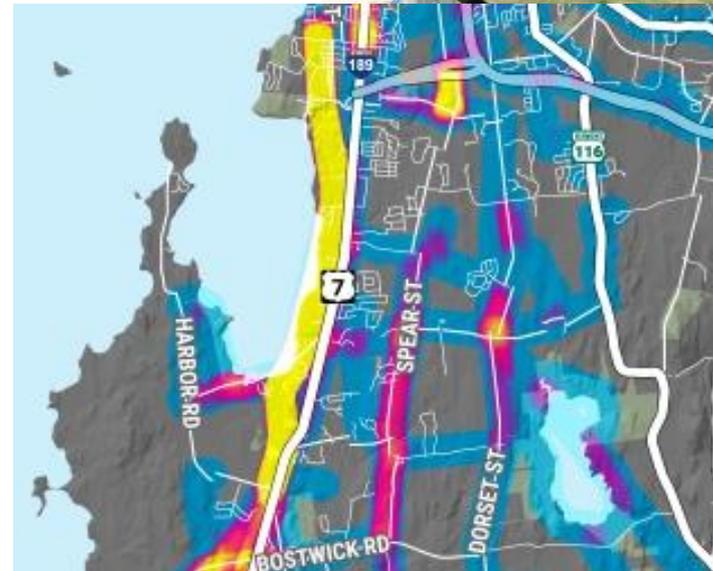
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Corridor Opportunities:

- Bay Road identified as a desired route
 - Shelburne Comprehensive Plan (2014)
 - Chittenden County Active Transportation Plan (2016)
- Known destination for walking and bicycling
- Existing connections to Ti Haul Recreation Path and Shelburne Bay Park





10 Month Schedule

- August 2016: Kick-Off
- October 2016: Local Concerns Meeting
- March 2017: Concept Alternatives Meeting
- April 2017: Preferred Alternative Meeting
- May 2017: Final Report



Comments & Discussion

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