



Route 146 Corridor Management Plan

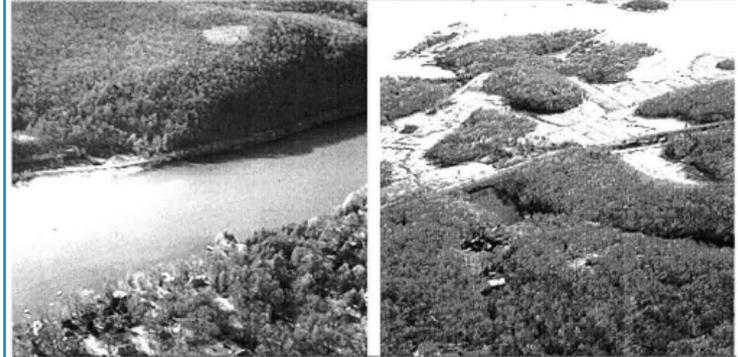
CORRIDOR WORK GROUP MEETING NO. 2
BRANFORD FIRE HEADQUARTERS
45 NORTH MAIN STREET
BRANFORD, CT 06405

March 7, 2023, 2:30 pm



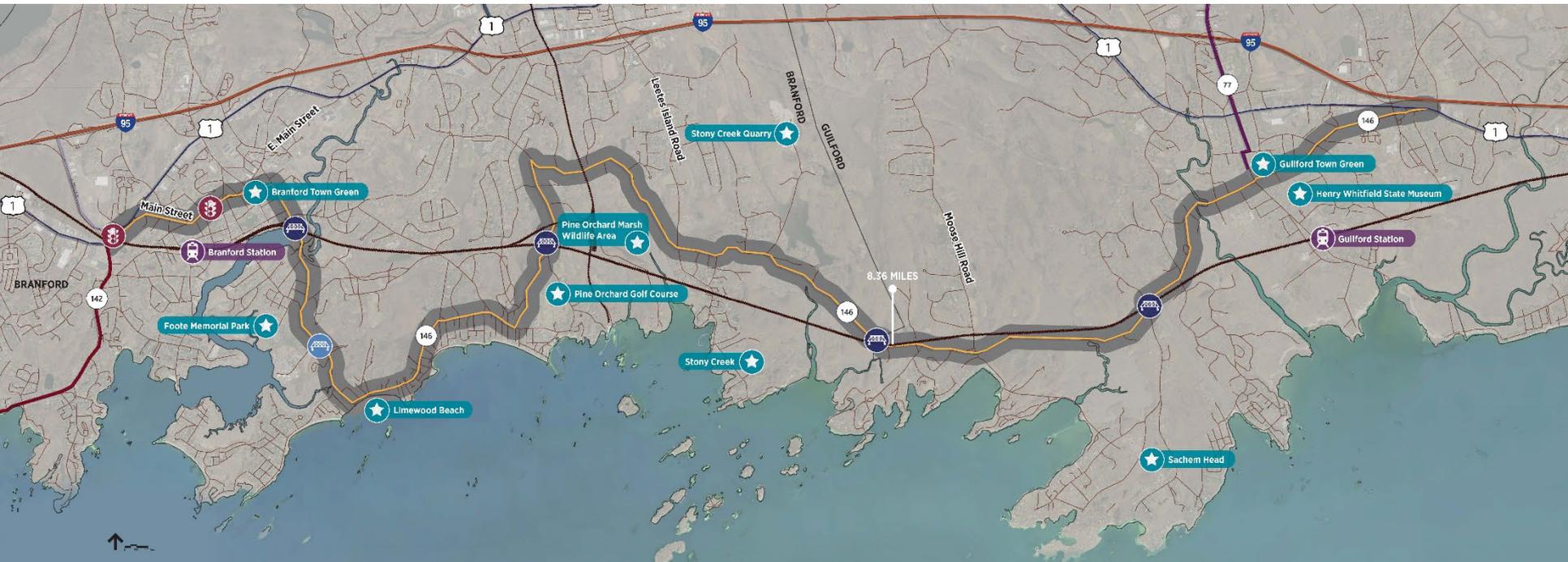
From the Mountains to the Sea

ROUTES 77 AND 146 CORRIDOR MANAGEMENT PLAN



prepared for:

**The Route 77 and 146 Scenic Road Advisory Committee and
The Connecticut Department of Transportation**



Route 146 CMP - Corridor Working Group (CWG) Meeting No. 2 Agenda

- Welcome and Introductions
 - 1st Meeting Overview
- Route 146 Draft Existing Conditions Update
- First Public Meeting Date/Time
- Stakeholder Interviews
- Corridor Field Walks
- Open Discussion



Corridor Working Group Members

CTDOT

Patrick Zapatka, Project Manager

Robert Bell, **Corridor Working Group Chair**, Bureau of Policy & Planning

David Elder, Bureau of Policy & Planning and State Scenic Road Advisory Committee

Allan Dodge, CTDOT District 3

Michael Calabrese, Bureau of Engineering & Construction

BRANFORD

John Hoefflerle, Town Engineer

Barbara Ricozzi, Branford Resident

David Rood, Branford Historical Society

Harry Smith, Town Planner

GUILFORD

Janice Plaziak, Town Engineer

Bob Yaro, Guilford Resident

Shirley Gironi, Guilford Preservation Alliance

Jaime Stein, Town Planner

Consultant to CTDOT:

Joe Balskus, VHB

Daniel Amstutz, VHB

Other Agencies:

Laura Francis, South Central Regional Council of Governments

Bill Sigmund, CT Department of Energy and Environmental Protection

Catherine Labadia, CT State Historic Preservation Office

Sandy Fry, CT Bicycle & Pedestrian Advisory Board

Route 146 CMP Corridor CWG Meeting #1

Overview

- Route 146 Background & 1996 CMP
- Previous Study and Existing Conditions Report overview
- CMP Project Goals
- Project Outline & Framework
- Purpose of Working Group
- Schedule
- Discussion

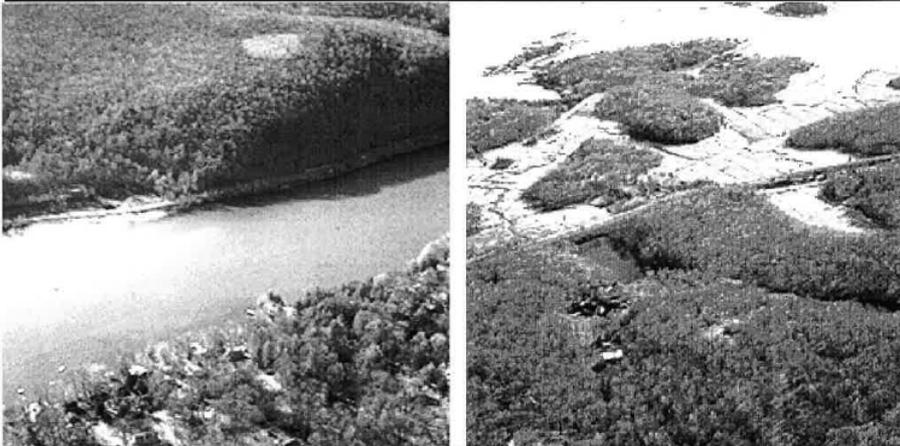


Route 146 CMP - Background

- Original 1996 Corridor Management Plan for Route 146 & 77
- Vision to focus on Preservation
 - Landscapes, open spaces
 - Reduce impact of development
 - Lower traffic speeds
 - Improve bike/pedestrian access

From the Mountains to the Sea

ROUTES 77 AND 146 CORRIDOR MANAGEMENT PLAN



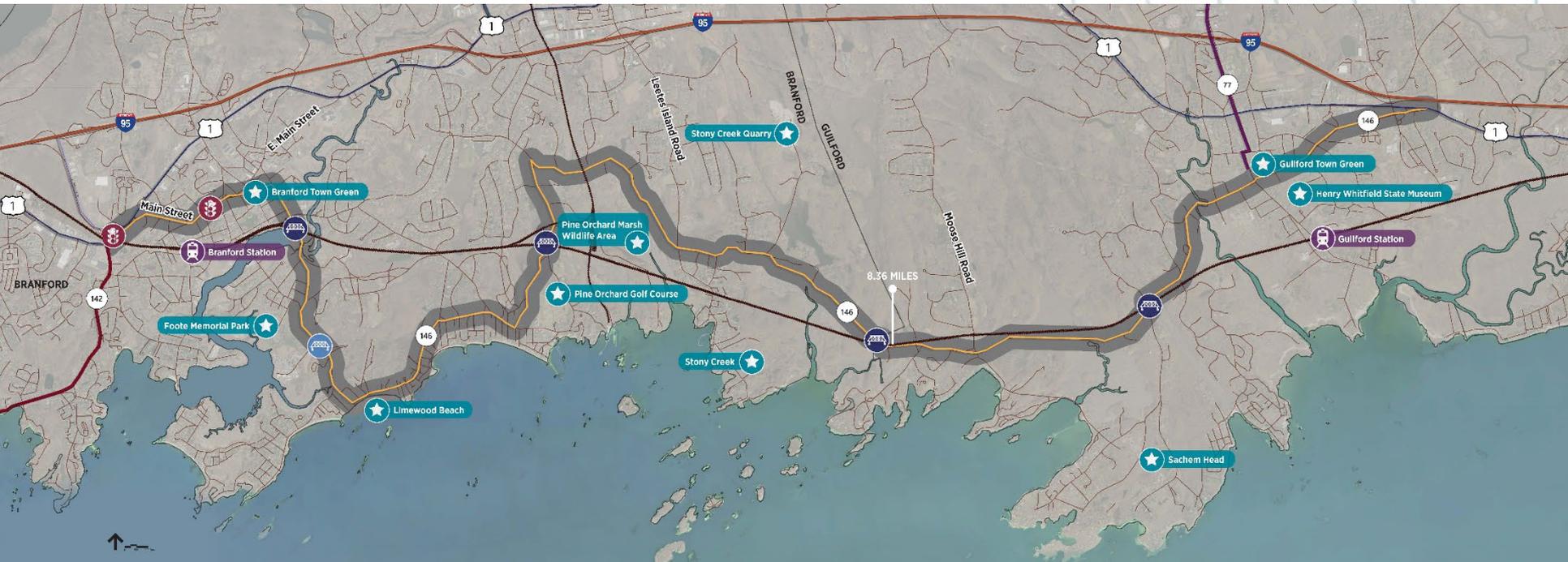
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Previous Corridor Study Overview

- Evaluate existing conditions for roadway, amenities and land use, evaluate impacts of roadway flooding and sea level rise, traffic calming, future development, traffic volumes, historic and scenic impacts, evacuation routes and possible alternate scenarios.
From SCRCOG RFQ May 2019
- 13 Mile Coastal Roadway, 8.6 Branford/4.4 Guilford



Route 146 CMP Project Goals



Increased Safety



Involve the Community



Protect Natural and Cultural Resources



Improve Bike and Pedestrian Access



Climate and Sea Level Preparedness



Preserve Intrinsic Qualities



Maintain Infrastructure



Establish Working Group



Balance Needs and Requirements



Route 146 CMP - Outline

- Existing Conditions Update
- Community Involvement
- Context Sensitive Design
- Coastal Flooding and Resiliency Assessment
- Future Strategies
- Final Document

Route 146 CMP

Potential Framework



Federal Highway Administration 14 Elements of a CMP

1. Corridor Mapping
2. Assessment of intrinsic qualities and context of the areas along the corridor
3. Strategy for maintaining and enhancing the scenic highway qualities
4. Stakeholders involved with implementing the CMP
5. Strategy for enhancing existing development and accommodating new development
6. Ongoing public involvement in the implementation of the CMP
7. Corridor Safety Analysis
8. Accommodating commercial traffic while ensuring safety of other users
9. Minimize intrusions to scenic highway aesthetics
10. Roadside features compliance with state and federal requirements on outdoor advertising
11. Roadway signing review and signage plan
12. Marketing of the Byway
13. Context sensitive design standards for roadway modifications
14. Scenic Byway interpretation

Purpose of Corridor Working Group

- Guide the CMP process
- Guide development of CMP Framework
- Evaluate context-sensitive approaches
- Feedback on deliverables and project approach
- Identify possible stakeholders for focus groups
- Participate in Corridor Field Walks
- Promote public engagement opportunities

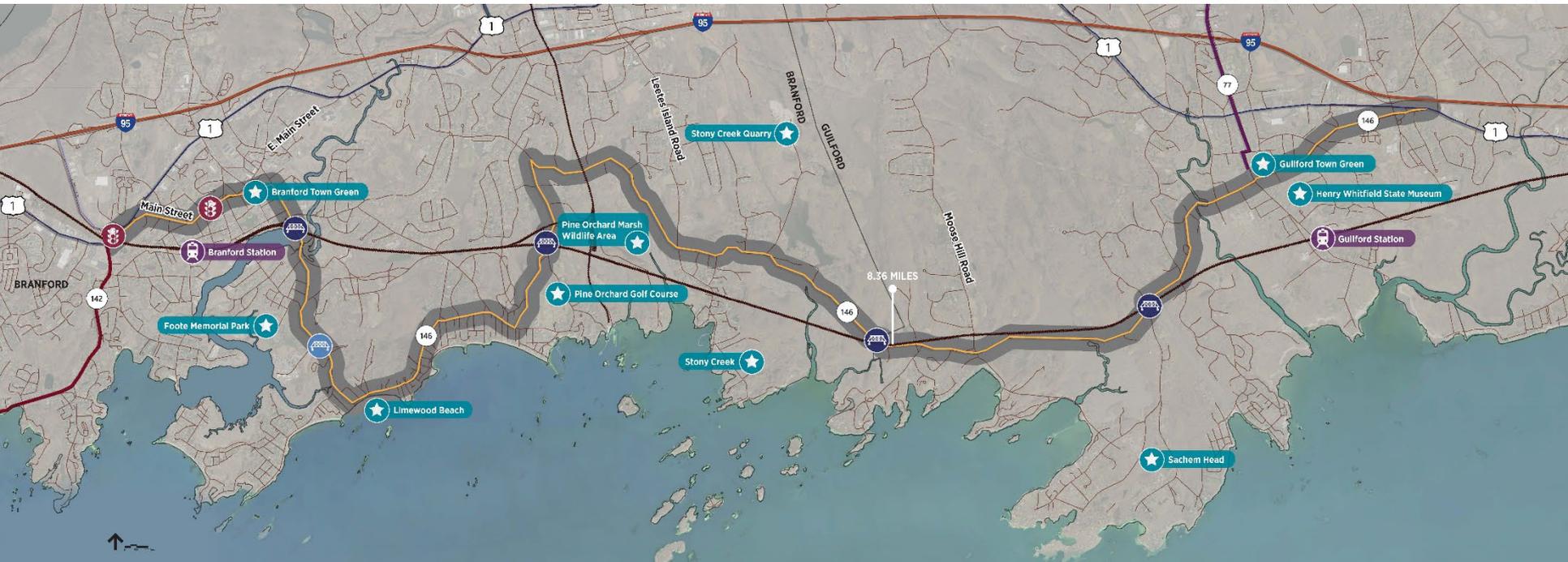
Route 146 CMP - Existing Conditions Update

- Elements
 - Field Data & Roadside Development
 - Safety Data
 - Traffic Volumes, Speeds, and Vehicle Classification
 - Land Use
 - Historical and Cultural Context
 - Inland/Coastal Wetlands & Flooding Risk
 - Scenic Highway Aesthetics, State and Federal Scenic Highway Programs



Route 146 CMP - Existing Conditions Update

- Field Data & Roadside Development
 - New projects along Route 146, planned or constructed
 - Changes to properties along the roadside



Field Data & Roadside Development Update

- Planned
 - Branford Connector
 - Shoreline Greenway Trail
 - Main Street Reconstruction (Branford)
 - Atlantic Wharf Development
 - Guilford Safe Streets Task Force Report



Traffic Calming Treatments

Lane Narrowing

Lane narrowing is when an excessively large lane is reduced through shoulder striping (often mischaracterized with the term "fog lines") or the addition of bike lanes. This helps reduce motor vehicle speeds and creates dedicated space for bicyclists and/or pedestrians.

Median Islands

Medians are raised or flush islands located near centers of roadways. Medians can reduce vehicle speeds by creating horizontal deflection in travel ways, visually tightening the roadway, and using up excess pavement width. Medians may include landscaping which allows motorists to gauge their speed against tall vertical features. They may be combined with pedestrian crossings, in order to provide refuge for the pedestrian and alert the motorist.

Speed Tables

Speed Tables are essentially flat-topped speed humps. Speed tables have three parts: a ramp up, a flat top section, and ramp down. They are more pleasant to drive over than speed humps and produce less noise. They effectively reduce the speeds of a wider range of vehicle types than humps. Speed tables are typically preferred by fire departments and public works departments when compared to speed humps due to their more gradual profile. Offset speed tables or speed cushions may be implemented to further mitigate delays to emergency responders.

Field Data & Roadside Development Update

- Under Construction
 - Sybil Creek Bridge Replacement
 - Parkside Village
 - New Housing Developments

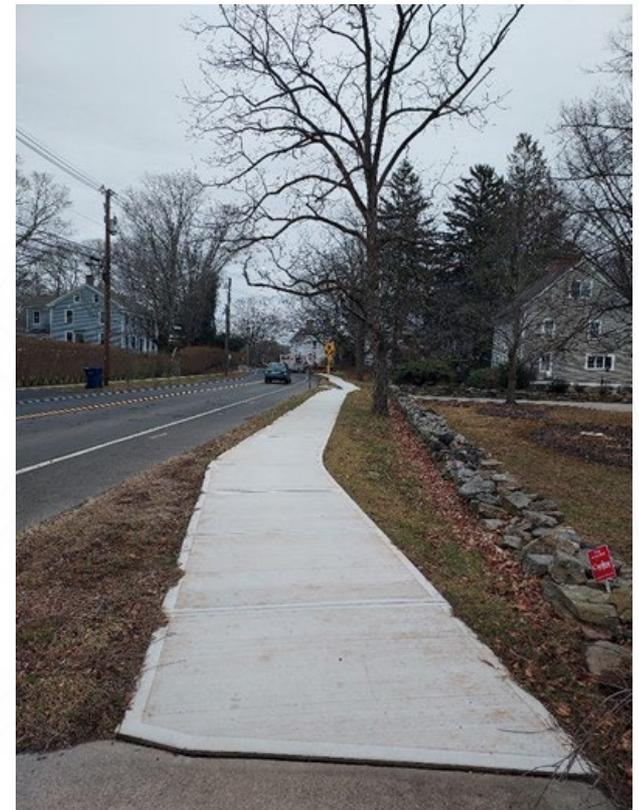


Field Data & Roadside Development Update

- Recently Completed
 - Limewood Ave Sea Wall & Sidewalks
 - Branford Road Safety Audit
 - Sidewalks on Route 1 near Route 146 (Branford)
 - New sidewalks on Boston St (Guilford)

BRANFORD ROAD SAFETY AUDIT

ROUTE 146: BRANFORD RIVER TO LIMWOOD AVENUE



MAY 2022

Safety Data Update

Table 1
Overall Route 146 Collision Types

Type of Collision	2017	2018	2019	Total Collisions	Percent	2020	2021	2022	Total Collisions	Percent
Rear End	22	17	13	52	24.90%	17	9	13	39	20.90%
Angle	18	18	17	53	25.40%	15	15	20	50	26.70%
Fixed Object	8	5	10	23	11.10%	13	15	7	35	18.70%
Sideswipe	8	5	8	21	10.00%	8	10	11	29	15.50%
Animal	2	4	3	9	4.30%	3	2	0	5	2.70%
Bicycle	1	3	1	5	2.40%	2	1	1	4	2.10%
Pedestrian	1	1	1	3	1.40%	1	1	0	2	1.10%
Other	17	15	11	43	20.50%	10	6	7	23	12.30%
Total	77	68	64	209	100%	69	59	59	187	100%

Source: UConn Connecticut Crash Data Repository

Safety Data Update

Table 2
Overall Route 146 Collision Severity

Type of Collision	2017	2018	2019	Total Collisions	Percent	2020	2021	2022	Total Collisions	Percent
Property Damage Only	56	56	55	167	79.9%	55	47	46	148	79.2%
Injury	20	12	9	41	19.6%	14	12	11	38	20.3%
Fatal	1	0	0	1	0.5%	0	0	1	1	0.5%
Total	77	68	64	209	100%	69	59	59	187	100%

Source: UConn Connecticut Crash Data Repository

Traffic Volumes, Speeds, & Classification Update

- Volumes
 - February 2023 counts 35% lower on average than July 2019 counts
 - Seasonal variation
 - Comparable CTDOT data – 2020 counts may have COVID-19 effects
- Speeds
 - Only two with excessive speeding (≥ 10 mph over limit)
 - South of Sybil Creek Place and east of Pine Tree Drive (Branford)
 - Previous studies in 2020/2021 showed majority of locations along the corridor with excessive speeds
- Vehicle Types (Classification)
- Additional data collection planned for summer

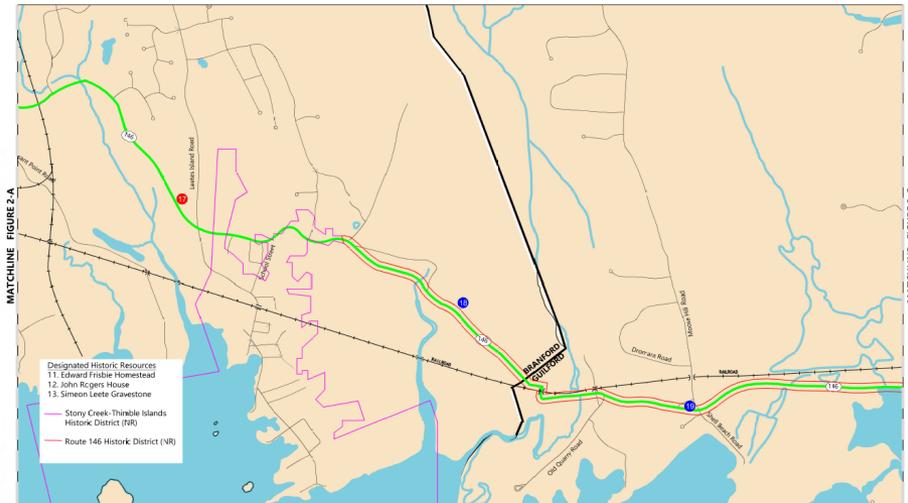
Historic Resources Update

- Revisions to maps and list of designated historic resources
- New SHPO mapping effort of resources
- Resources removed and added based on new information
 - Resources in a historic district without individual designation not mapped individually
 - Not proximate to Route 146 – removed
 - Match SHPO's mapped data



LEGEND
 ● Designated Historic Resource-State Register
 ● Designated Historic Resource-National Register
 — Study Corridor
 [Symbol] Loca Historic District
 [Scale: 0 600 1200Feet]

Figure 2-A
 February 2023



LEGEND
 ● Designated Historic Resource-State Register
 ● Designated Historic Resource-National Register
 — Study Corridor
 [Symbol] Loca Historic District
 [Scale: 0 600 1200Feet]

Figure 2-B
 February 2023

Route 146 CMP

Existing Conditions Update - Others

- Land Use
 - Guilford is currently updating its zoning & subdivision regulations
- Inland/Coastal Wetlands
 - No changes to wetlands mapping in Guilford
 - Some edits and updates to mapping in Branford
- National Scenic Byway Program
 - New federal funding in last two years



Route 146 CMP - 1st Public Meeting

- **Proposed Date, Time and Location:**
 - April 11 or 13
 - Nathanael Greene Community Center, 32 Church St, Guilford
 - Early evening (6-8 pm)



Route 146 CMP - Stakeholder Interviews

- **Themes for potential stakeholders for interviews**
 - Traffic/Transportation Safety
 - Active Transportation
 - Emergency Management
 - Business/Economic Development
 - Environmental – Landscapes
 - Environmental – Water
 - Historic/Cultural
 - Environmental Justice
- **Any themes or stakeholders missing?**

Route 146 CMP - Corridor Field Walks

- Two Field Walks (One each Branford/Guilford)
- Expected to take place in April, ideally on the same day
- **Where are the most sensitive areas to review?**
 - Use the map to identify a location
 - Why is this a key location to review?
 - What are the issues that it will help highlight?

Route 146 CMP - Schedule

- **Winter/Spring 2023** – Update Existing Conditions, Data Collection, Community Outreach
- **Summer 2023** – Develop Context-Sensitive Design Approaches, Updated Flood Risk
- **Fall 2023** – Additional Community Outreach, Future Strategies Development
- **Winter/Spring 2024** – Finalize Corridor Management Plan

Route 146 CMP - Website



Route 146 CORRIDOR MANAGEMENT PLAN

[Home](#)

[CMP Process](#)

[Get Involved](#)

[Documents](#)

[Team](#)

[FAQ](#)

PLANNING FOR THE FUTURE

Route 146 Corridor in Branford and Guilford, CT



Route 146 CMP - CWG : Next Steps

- Corridor Working Group next meeting:

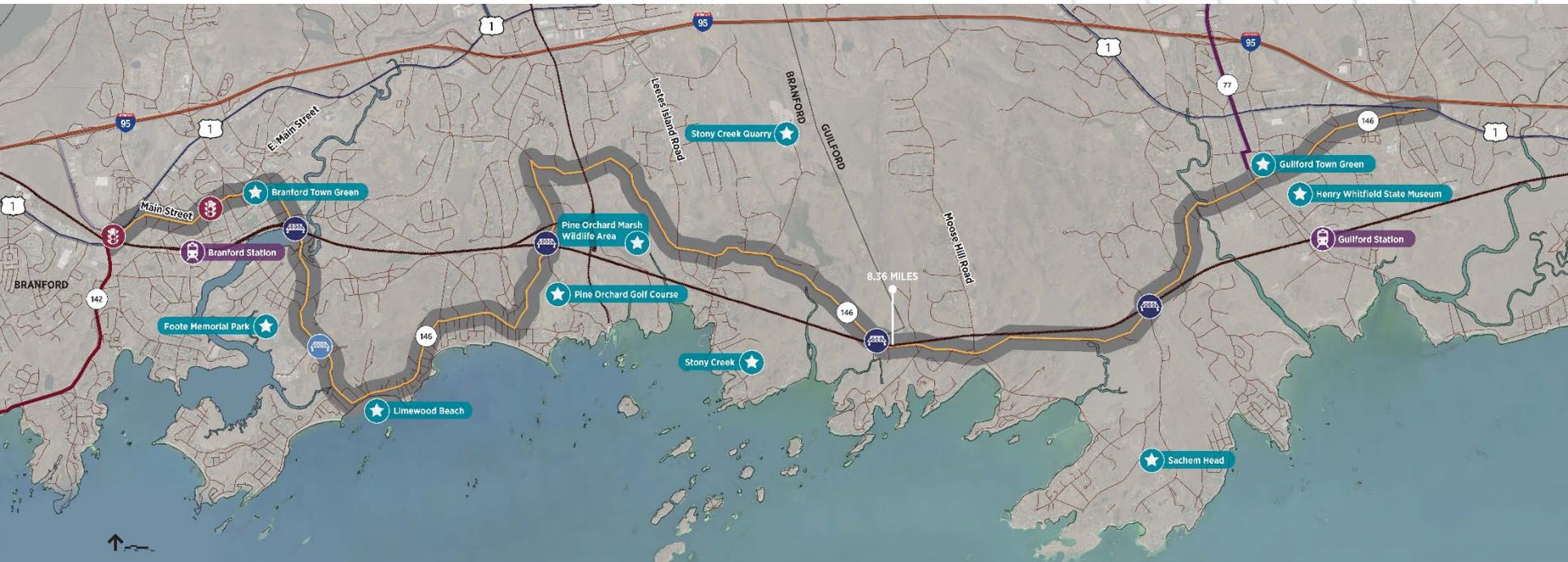
Topics for Discussion

- Preservation of the Corridor
- Potential Assignments
 - Corridor Field Walk potential dates
 - Stakeholder interviews
 - Help spread word about first public meeting
 - Comments on website



Route 146 CMP - Next Steps

- Finalize Existing Conditions Report Update: End of March
- Corridor Working Group next meeting: April 2023
- Public Information Meeting: mid-April 2023
- Corridor Field Walks: April/May 2023
- Stakeholder Interviews: April/May 2023



Questions/Discussion?

