

Route 156 and Sound View Bike Way Improvements

Project 104-172

Public Information Meeting No. 1

October 22, 2014

Design Team Agenda

- Design Process
- Schedule
- Design Presentation
- Questions/Feedback

Project Components

- Evaluation of Route 156
- Improvements to Hartford Avenue
- Sound View Park

Design Process

- **Project Mapping**
- **Preliminary Design** ←
- **Final Design**
- **Permitting**
- **Construction Documents**
- **Bidding and Contracting**
- **Construction**

Design Process



Design Process

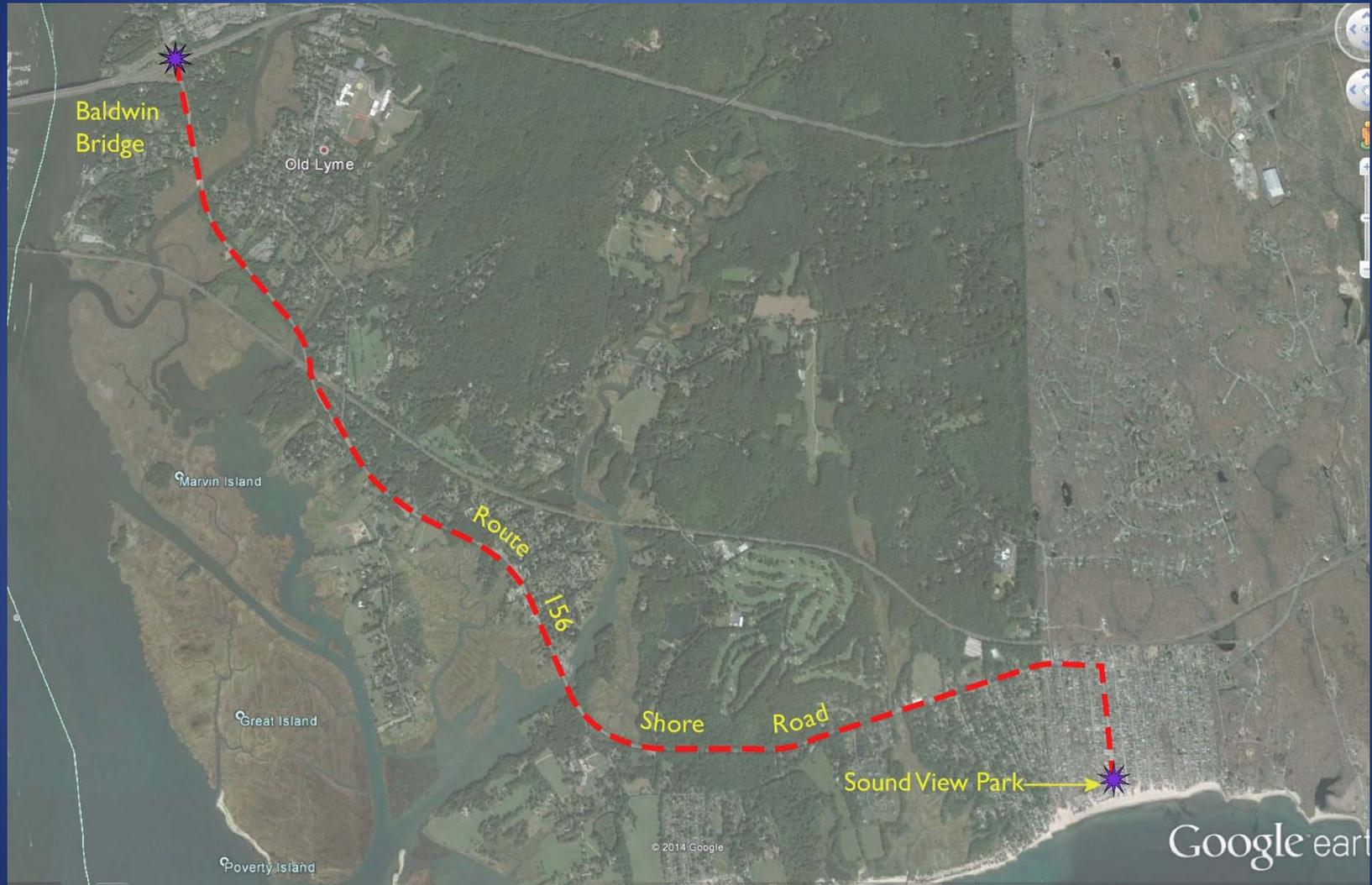


Design Presentation

- Evaluation of Route 156
- Improvements to Hartford Avenue
- Sound View Park

ROUTE 156

Evaluation of Route 156

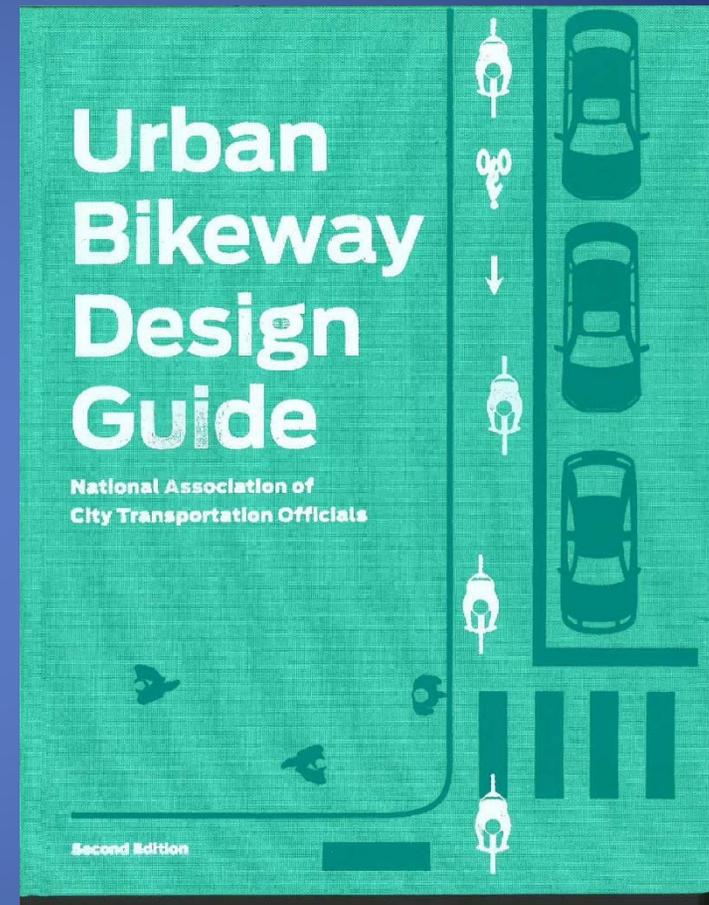
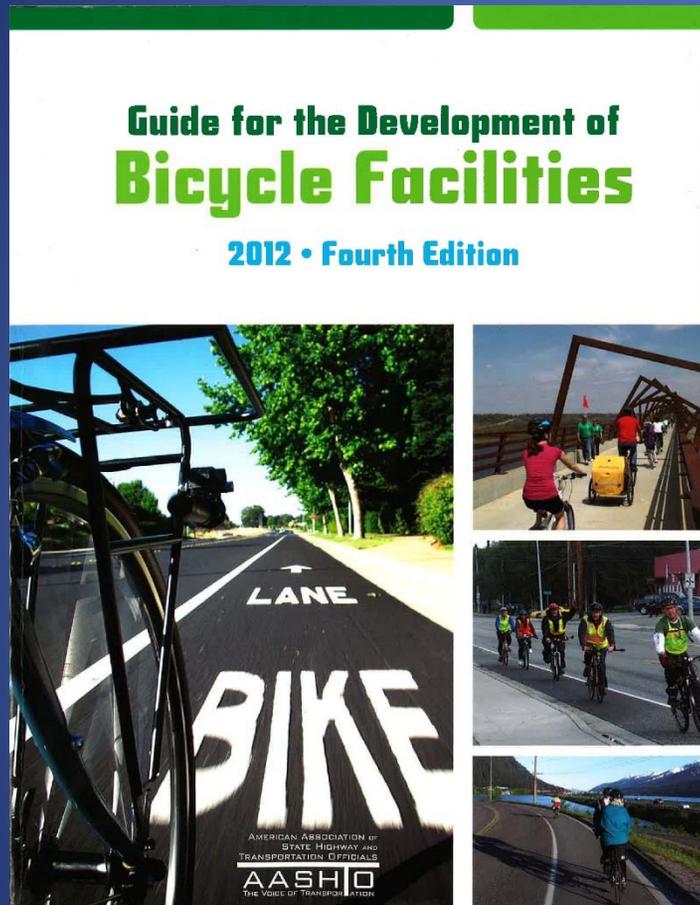


Evaluation of Route 156

Goal:

Evaluate the roadway within the project area to determine what improvements would be required for designation of this portion of the road as a bike route.

Evaluation of Route 156



Evaluation of Route 156

Three Possible Configurations:

- Shared Lanes
- Paved Shoulders
- Bike Lanes

Evaluation of Route 156

Shared Lanes:

- AASHTO
- No bicycle-specific designs
- 14 foot lane preferred
- Signs and Pavement Markings



Evaluation of Route 156

Shared Lanes:



Evaluation of Route 156

Paved Shoulder:

- AAHSTO
- Most often used on rural roadways (preferred)
- No curb: At least 4 feet wide
- Guardrail, curb, or barrier: 5 feet wide

Evaluation of Route 156

Paved Shoulder:

Connecticut Statewide Bicycle Map Website
 Website sponsored by the Connecticut Department of Transportation

Home | **Bicycle Map** | Report an Issue | Agency/Advocacy Groups | Plans/Guides | Comments | Site Map

Cyclists are cautioned to follow all traffic laws and devices. The Connecticut Department of Transportation assumes no responsibility for damages resulting from the use of these routes. These routes were developed during the 2009 Update to the Statewide Bicycle and Pedestrian Plan. Currently there is no signage or amenities for these routes. They are suggestions. Additionally, the routes are currently only on state roads. There may be more suitable local roads that parallel a state road. Even number routes are primarily East/West.

Cue sheets for Connecticut Statewide Bicycle Routes and Google Earth Files for Routes can be found [here](#).

Average Daily Traffic (# vehicles)	Shoulder Width			
	0 Feet	1 - 3 Feet	3 - 6 Feet	Greater than 6 Feet
Less than 2,500	Least Suitable	More Suitable	Most Suitable	Most Suitable
2,500 - 5,000	Least Suitable	Suitable	More Suitable	Most Suitable
5,000 - 7,500	Least Suitable	Less Suitable	More Suitable	Most Suitable
7,500 - 10,000	Least Suitable	Less Suitable	Suitable	Most Suitable
Greater than 10,000	Least Suitable	Less Suitable	Suitable	More Suitable



Source: Connecticut Department of Transportation/www.ctbikemap.org

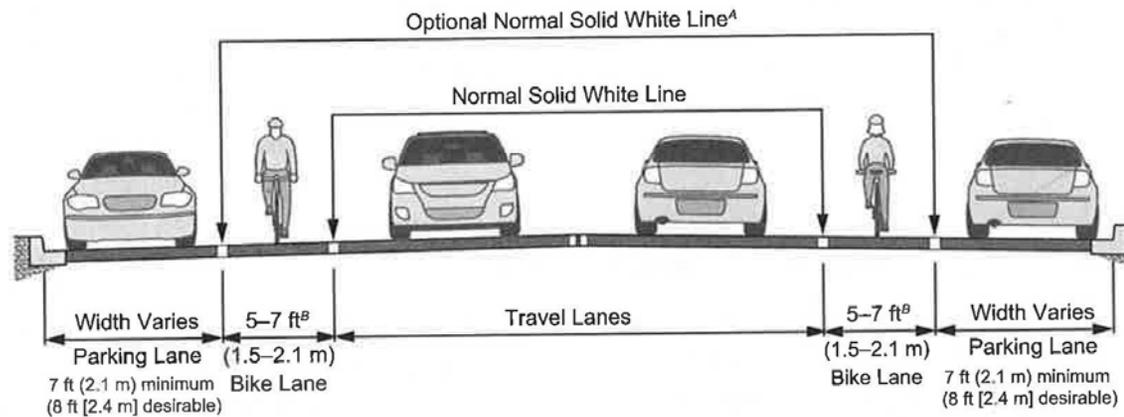
Evaluation of Route 156

Bicycle Lanes:

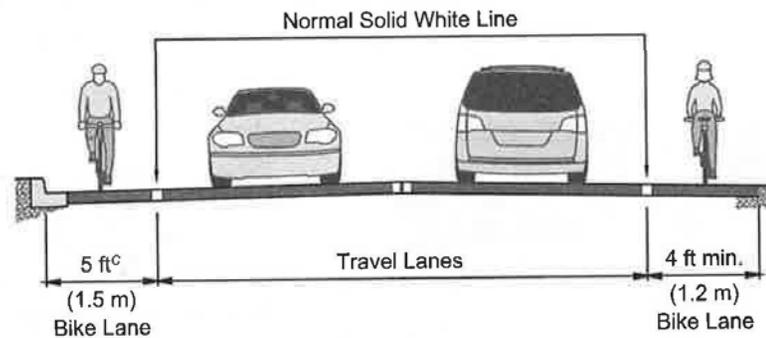
- AASHTO
- Designated for preferential use by bicyclists
- Require additional space
- Minimum 5 feet wide
- 6-7 feet recommended adjacent to parking
- 6-8 feet with no parking and high bicycle use

Evaluation of Route 156

Chapter 4: Design of On-Road Facilities



On Street Parking



Parking Prohibited

Source: AASHTO Guide for the Development of Bicycle Facilities

Evaluation of Route 156



Evaluation of Route 156

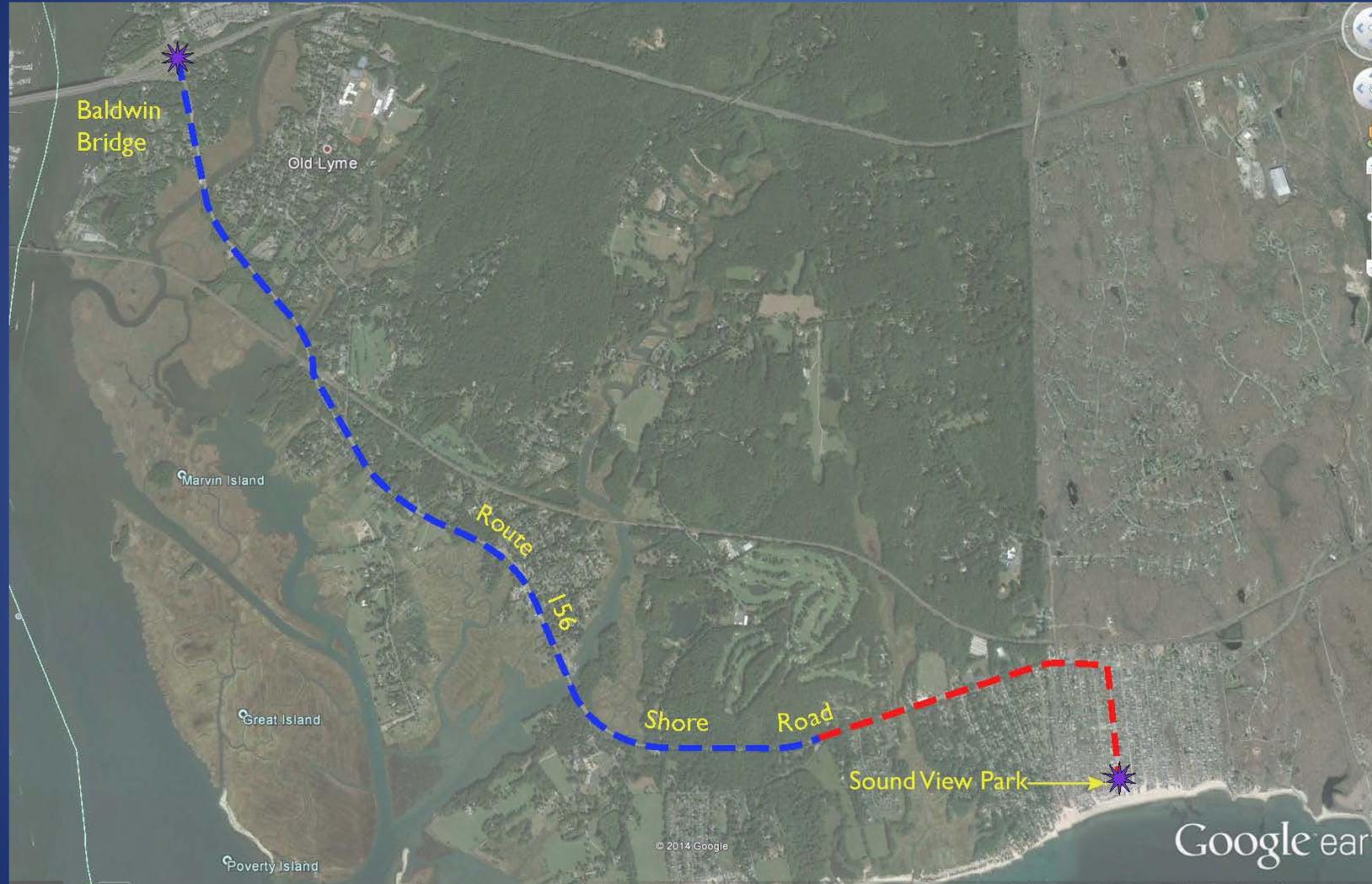


Evaluation of Route 156

What was found?

- Route 156 corridor from Baldwin Bridge to the east intersection of Old Shore Road is suitable for a paved shoulder bike facility (75%).
- The remaining section east of the Old Shore Road can be a shared lane facility (25%). Possible roadway pavement markings and signage.
- Possible addition a transitional bike lane eastbound on Route 156 through the Baldwin Bridge/I-95 interchange.
- Addition of way-finding signage can be beneficial in providing destination information along the corridor.

Evaluation of Route 156



Design Presentation

HARTFORD AVENUE

Hartford Avenue

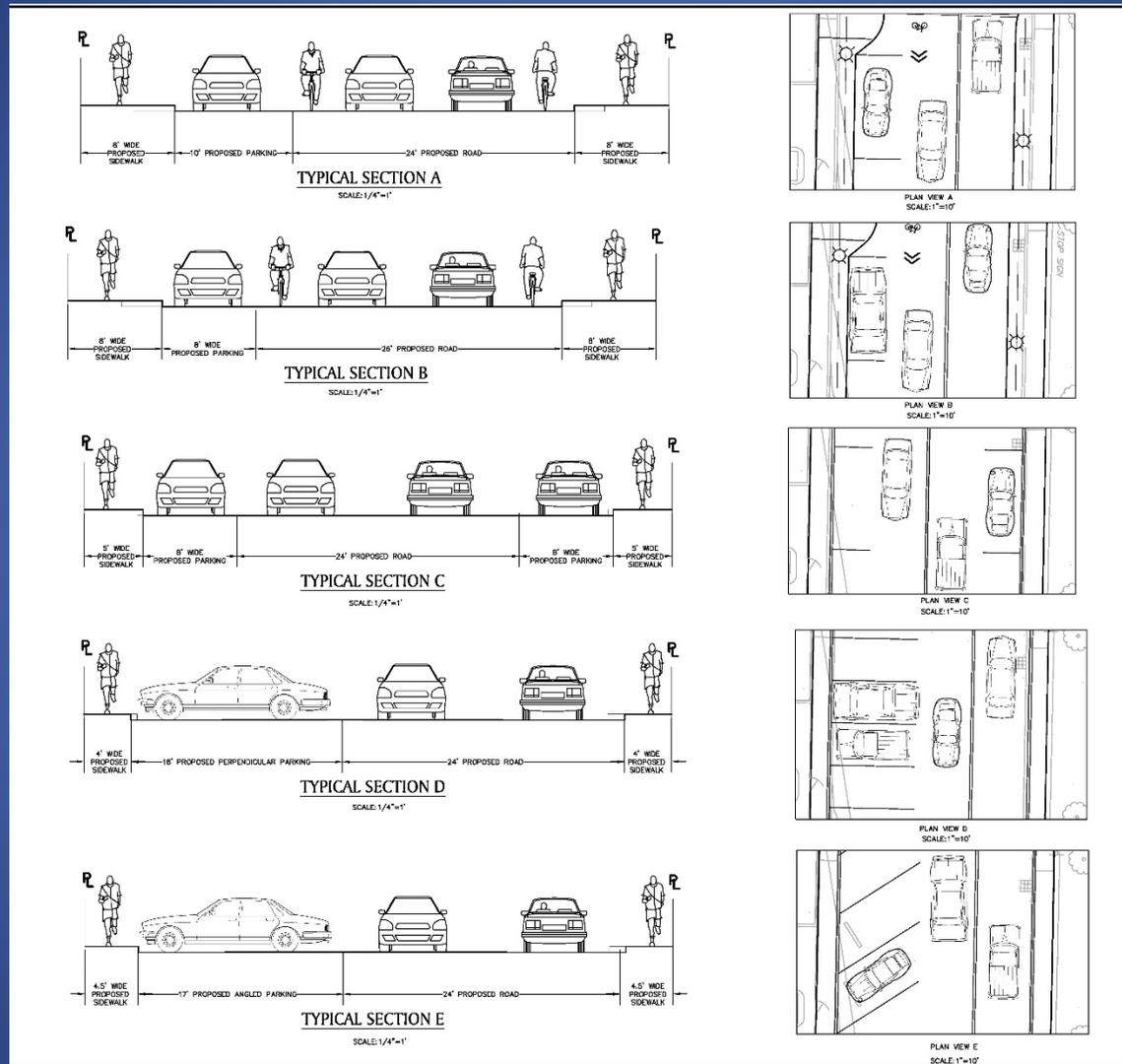


Hartford Avenue

Design Considerations:

- To create a sense of place and identity for the Sound View Beach community that improves public safety and fosters business activities.
- Create public spaces that promote people's health, happiness, and well being.
- Employ "Complete Street" concepts that accommodate all users.
- Accommodate bicycle use.
- Enhance the pedestrian experience.
- Maximize parking.

Hartford Avenue



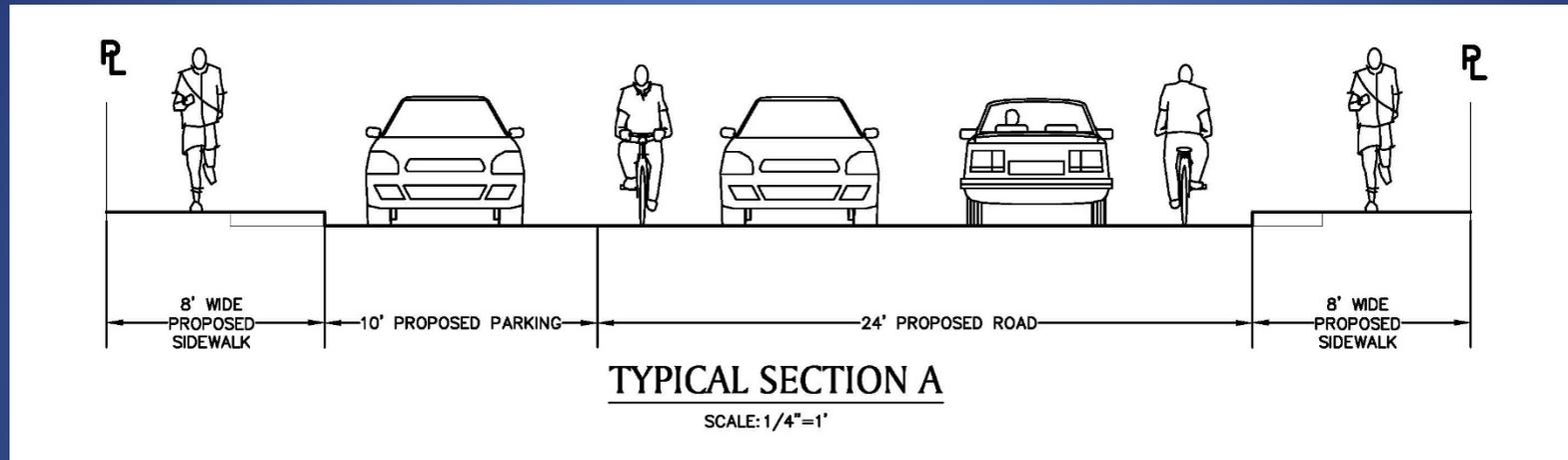
Hartford Avenue

Route 156 and Sound View Bike Way Improvements Hartford Avenue Width Analysis



Program	Sidewalk	Parking	Bicycle	Vehicle Lane	Vehicle Lane	Bicycle	Parking	Sidewalk	Total	Need	Shortfall
Parallel parking (Section A)	8	10	0	12	12	0	0	8	= 50	50	0
Parallel parking (Section B)	8	8	0	13	13	0	0	8	= 50	50	0
Double Parallel parking (Section C)	5	8	0	12	12	0	8	5	= 50	50	0
Perpendicular parking (Section D)	4	18	0	12	12	0	0	4	= 50	50	0
45 deg. angle parking (Section E)	4.5	17	0	12	12	0	0	4.5	= 50	50	0
Bike Lanes with No parking	9	0	6	10	10	6	0	9	= 50	50	0
Parallel parking with bike lanes	7	8	4	10	10	4	0	7	= 50	50	0
Parallel parking with bike lanes	8	8	4	10	10	4	0	8	= 52	50	2
Double Parallel parking	8	8	0	10	10	0	8	8	= 52	50	2
Perpendicular parking	8	18	0	10	10	0	0	8	= 54	50	4
45 deg. angle parking	8	17	0	10	10	0	0	8	= 53	50	3

Hartford Avenue



Hartford Avenue



CONCEPTUAL ROAD ALIGNMENT PART A



CONCEPTUAL ROAD ALIGNMENT PART B

Hartford Avenue



Streetscape with Parallel Parking and Planted Bump-outs



Streetscape with Sidewalk and Pavers



Streetscape with Sidewalks, Pavers, and Trees



Gravel Parking with Asphalt Aisle and Pavers



Gravel Parking with Asphalt Aisle



Gravel Parking with Asphalt Aisle and Painted Markings



Gravel Parking with Asphalt Aisle and Concrete Markers



Street Lighting with Basket



Crosswalk with Concrete Pavers



Stamped and Colored Asphalt



Street Lighting



Lighting with Banner, Basket, and Flagpole



Wooden Lightpole



Pedestrian Lighting with Basket



Street Lighting, Pedestrian Lighting, and Banner

Hartford Avenue



Design Presentation

SOUND VIEW PARK

Sound View Park

Goal:

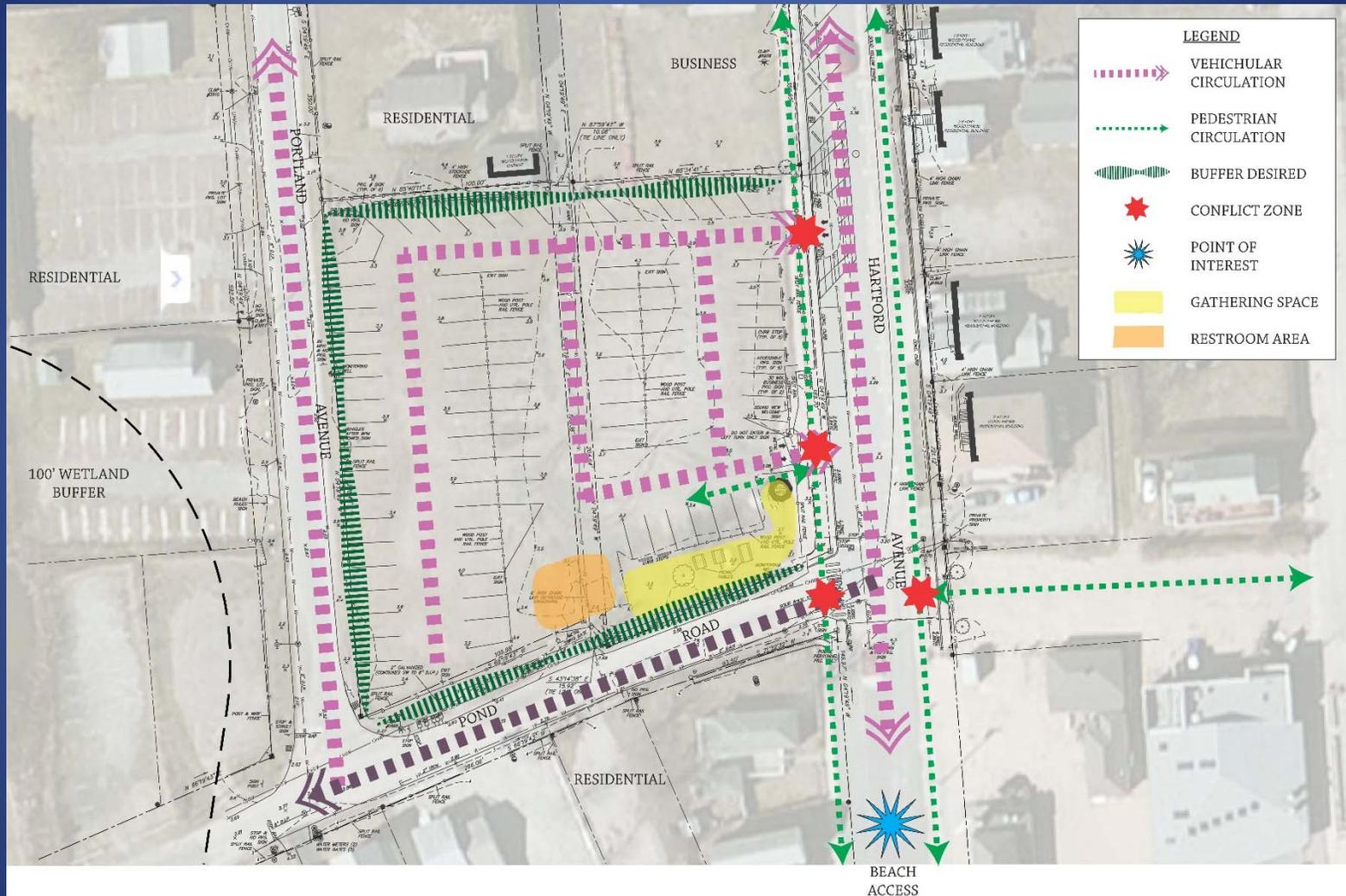
To provide a gathering space that incorporates parking, public restrooms, and ample green space while remaining flexible to the needs of the community.

Sound View Park

Design Considerations:

- Create a public space that promotes people's health, happiness, and well being
- Incorporate public restrooms
- Provide a flexible space for programming of various events
- Sustainability
- Resiliency to storm events
- Context sensitive

Sound View Park



Existing Conditions Analysis

Sound View Park



Park Site Plan

Sound View Park



Sound View Park



Sound View Park



Sound View Park



Sound View Park



Sound View Park



Wooden Post and Rope



Split-Rail Fence



Ornamental Wooden Fence



Wooden End-Post



Timber Guard Rail



Metal Post and Chain



Wooden Picnic Table



Wooden Round Table



Wooden Park Bench



Metal Picnic Table



Metal Park Bench



Metal Trash Receptacle



Ornamental Metal Trash Receptacle



Granite Post and Metal Chain



Granite Post and Metal Rail



Whimsical Bicycle Racks



Circular Bicycle Racks



U-Shaped Bicycle Racks



Wave-Shaped Bicycle Racks



Solidago sempervirens - Seaside Goldenrod



Rosa virginiana - Virginia Rose



Spartina patens - Saltmeadow Cordgrass



Myrica pensylvanica - Bayberry



Ammophila breviligulata - American Beachgrass



Clethra alnifolia - Sweet Pepperbush



Juniper virginiana - Red Cedar

Thank You!

Questions?