

Route 156 Bike Route and Sound View Improvements

Project 104-172

Public Information Meeting No. 3

April 25, 2016



Agenda

- Existing Conditions
- Process and Schedule
- Project Design
- Financial Summary
- Questions



Existing Conditions

- Inadequate sidewalks
- Lack of handicapped accessibility
- Lack of bicycle facilities
- Parking



Existing Conditions



Existing Conditions



Existing Conditions - Parking

Current public parking:

177 Private permitted parking lot spaces (7 permitted lots)

52 Business patron space per filed site plans (30 Pavilion, 15 Lenny's, 6 Sugar Shack)

49 Street parking (including the ½ hour free spaces)

75 Town lot

353 Total

Project completion:

177 Private permitted parking lot spaces (7 permitted lots) – **(No change)**

52 Business patron space per filed site plans (30 Pavilion, 15 Lenny's, 6 Sugar Shack) **(No change)**

27 Reduction of 22 from 49 street parking (including the ½ hour free spaces)

75 Town lot **(No change)**

331 Total

Net change: 22 parking spaces



SVI's Preliminary Design-Final Design Highlights

- 6/15-DOT OK'd focus on maximizing transportation funding with Hartford Avenue improvements.
- 6/30/15-required PIM and 30 day comment period.
- 8/15-Based on full review of comments, Board of Selectmen support phasing in project.
- 11/15-DOT Authorization to proceed to Semi-Final Design.
- 2/16-Semi-Final Design submitted.
- 4/16-Final Design submitted and under review.
- 4/16-7/16-Inspector and Construction Bid phase.
- 7/16-Projected Town Meeting to approve cost of construction.

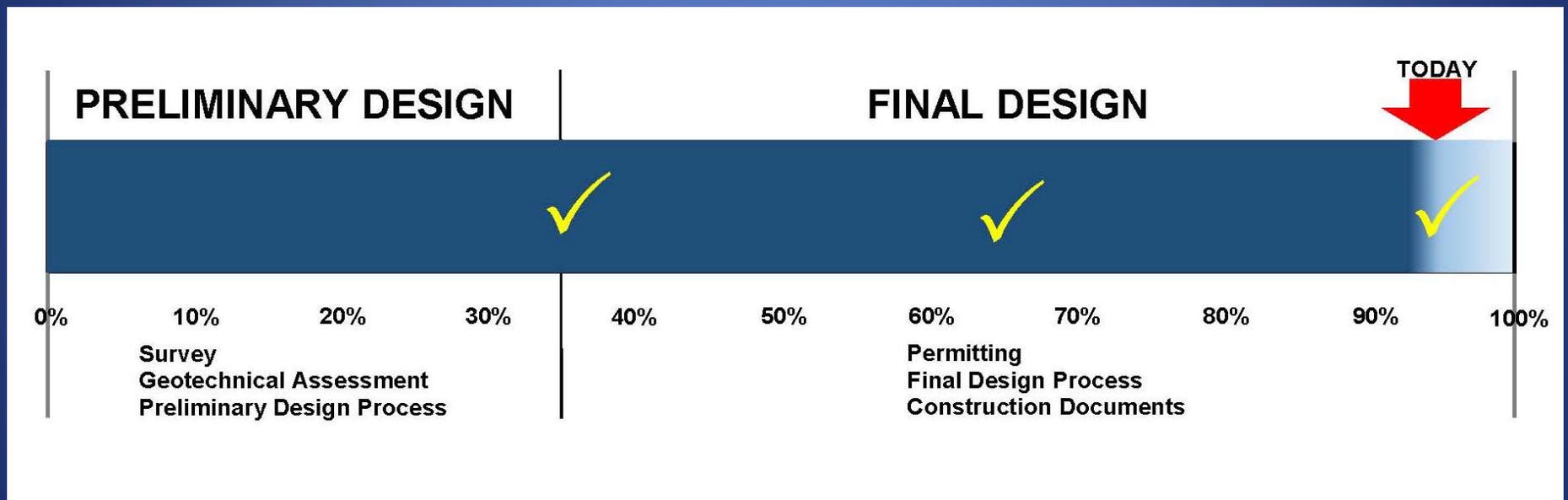


Project Components

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



Design Process



Design Process

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



Project Schedule - Construction

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
CALENDAR DAY CHART

DATE: 4/12/2016
PROJECT NO. 104-172

FEDERAL AID PROJECT NO. **BIKE(086)**

TOWN: **Old Lyme**

Route 156 Bike Way and Soundview Improvements

Construction Season		2016												2017																										
WORK BEGINNING DATE (STARTING MONDAYS)		Sep 6	12	19	26	Oct 3	10	17	24	31	Nov 7	14	21	28	Dec 5	12	19	26	Jan 2	9	16	23	30	Feb 6	13	20	27	Mar 6	13	20	27	Apr 3	10	17	24	May 1	8	15	22	29
OPERATION	QUANTITY	NOTICE TO PROCEED																																						
DCD																																								
DATE OF ADV (Wed)																																								
DATE OF LETTING (Wed)																																								
DATE OF AWARD (Fri)																																								
START OF CONSTRUCTION	9/6/2016																																							
	WEEKS																																							
UTILITY WORK																																								
MOBILIZATION	1																																							
CLEAR AND GRUB	5																																							
TRENCH EXCAVATION	4																																							
DRAINAGE STRUCTURES	4																																							
STORM PIPE	4																																							
FORMATION OF SUBGRADE	4																																							
SUBBASE/PROCESSED AGGREGATE BASE	4																																							
SAW CUT	2																																							
HMA S0.375	3																																							
HMA S0.5	3																																							
MONOLITHIC CONCRETE CURB & SIDEWALK/PAVERS	6																																							
TRAFFIC SIGNS/PAVE MARKINGS	1																																							
TOP SOIL/TURF ESTABLISHMENT	2																																							
PLANTINGS	2																																							
PROJECT CLOSEOUT	2																																							

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CALENDAR DAYS ALLOWED = 119

OPERATIONS DURING WEEK:

3 4 7 3 1 2 5 7 3 1 2 3 1 0 2 2 3 3 0 0 0 0 0



Design Process

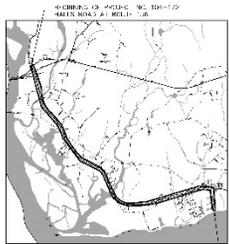


Design Process



Design Deliverables

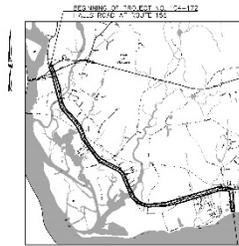
ROUTE 156 BIKE WAY AND SOUNDVIEW IMPROVEMENTS PROJECT 104-172 OLD LYME, CT PRELIMINARY DESIGN JULY 17, 2015



INDEX OF DRAWINGS

T-100	TITLE SHEET
OV-100	PROJECT AREA PLAN
EC-100-105	EXISTING CONDITIONS PLANS
C-100-101	EROSION & SEDIMENTATION CONTROL
C-200-201	SITE PREPARATION PLANS
C-300-301	GRADING & DRAINAGE PLANS
C-400-401	LAYOUT AND MATERIALS PLANS
C-500-501	PAVEMENT MARKINGS AND SIGNAGE PLANS
C-600	MAINTENANCE & PROTECTION OF TRAFFIC PLAN
DT-700-701	DETAILS

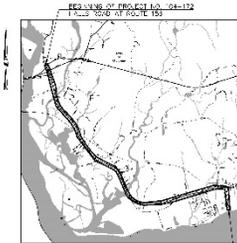
ROUTE 156 BIKE WAY AND SOUNDVIEW IMPROVEMENTS PROJECT 104-172 OLD LYME, CT SEMI-FINAL DESIGN JANUARY 15, 2016



INDEX OF DRAWINGS

T-100	TITLE SHEET
OV-100	OVERALL AREA PLAN
EC-100-105	EXISTING CONDITIONS PLANS
C-100-101	EROSION & SEDIMENTATION CONTROL PLANS
C-200-201	SITE PREPARATION PLANS
C-300-301	LAYOUT & MATERIALS PLANS
C-400-401	GRADING & DRAINAGE PLANS
C-500-501	PAVEMENT MARKINGS & SIGNAGE PLANS
C-600	MAINTENANCE & PROTECTION OF TRAFFIC PLAN
C-700	TYPICAL SECTIONS
DT-100-110	DETAILS
LP-100-101	PILOTOMETRICS PLANS

ROUTE 156 BIKE WAY AND SOUND VIEW IMPROVEMENTS PROJECT 104-172 OLD LYME, CT FINAL DESIGN APRIL 12, 2016



INDEX OF DRAWINGS

T-100	TITLE SHEET
OV-100	OVERALL AREA PLAN
EC-100-105	EXISTING CONDITIONS PLANS
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C-500-501	PAVEMENT MARKINGS & SIGNAGE PLANS
C-600	MAINTENANCE & PROTECTION OF TRAFFIC PLAN
C-700	TYPICAL SECTIONS
DT-100-110	DETAILS
IHW-1-7	CTDOT HIGHWAY STANDARDS
TR-1-5	CTDOT TRAFFIC STANDARDS



TOWN OF OLD LYME, CONNECTICUT
FINAL DESIGN CONTRACT DOCUMENTS
FOR

STATE PROJECT NO. 104-172 ROUTE 156 BIKE WAY AND SOUND VIEW IMPROVEMENTS

Bonnie Remusmyder - First Selectwoman

APRIL 12, 2016



300 Writing Brook Drive
Cheshire, CT 06025



Design Deliverables

Preliminary Design Submission
Design Report
Route 156 Bike Way and Sound View Improvements
Old Lyme, CT
State Project No. 104-172
August 2015

Prepared by



300 Winding Brook Drive
Glastenbury, CT 06033

Semi-Final Design Submission
Design Report
Route 156 Bike Way and Sound View Improvements
Old Lyme, CT
State Project No. 104-172
January 15, 2016

Prepared by



300 Winding Brook Drive
Glastenbury, CT 06033

Final Design Submission
Design Report
Route 156 Bike Way and Sound View Improvements
Old Lyme, CT
State Project No. 104-172
April 13, 2016

Prepared by



300 Winding Brook Drive
Glastenbury, CT 06033



The Town of Old Lyme
92 Lyme Street
Old Lyme, CT 06377



Design Presentation

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



Design Presentation

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 designated Bike Route.



Evaluation of Route 156

Paved Shoulder:

- AASHTO
- 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 suggested. 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



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



Hartford Avenue



Hartford Avenue



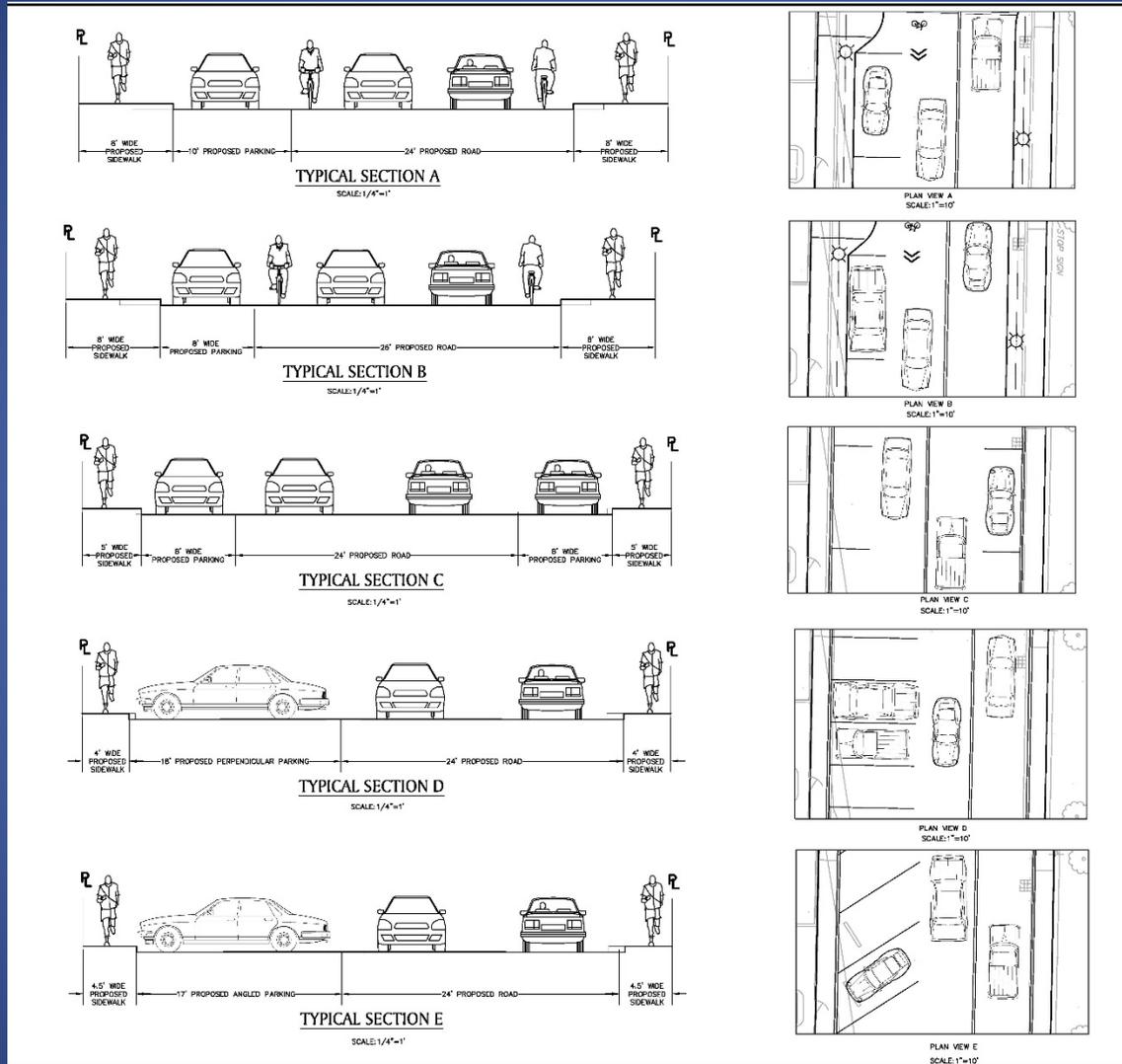
Hartford Avenue

Design Considerations:

- Employ “Complete Street” concept to accommodate all users and enhance safety.
- 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.
- Enhance the pedestrian experience.
- Accommodate bicycle use.
- Maximize parking.

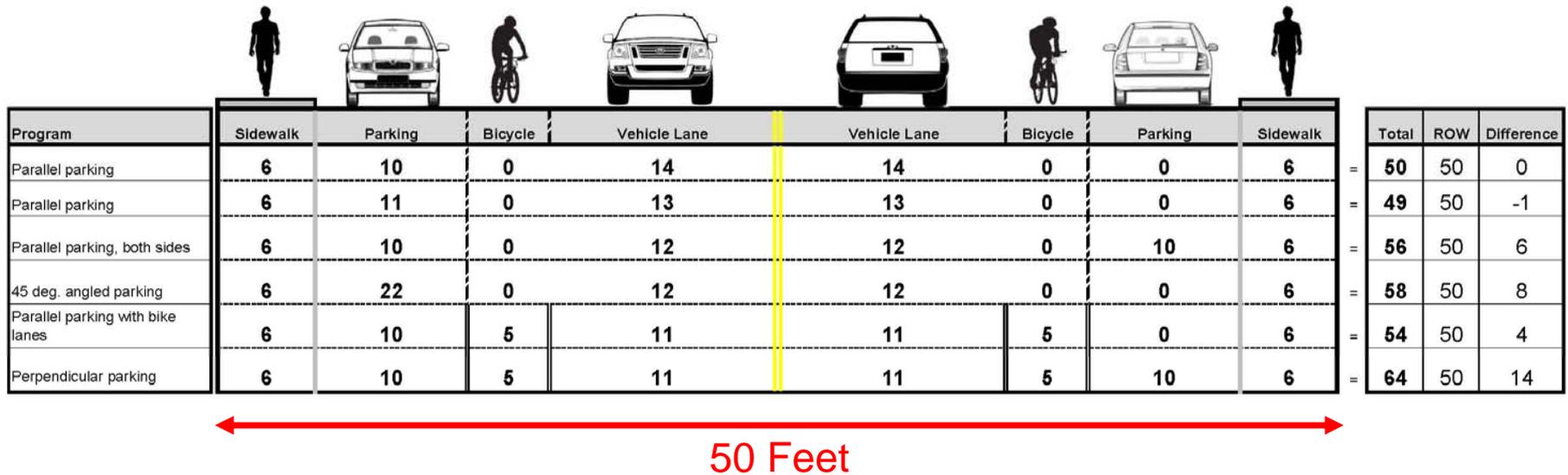


Hartford Avenue



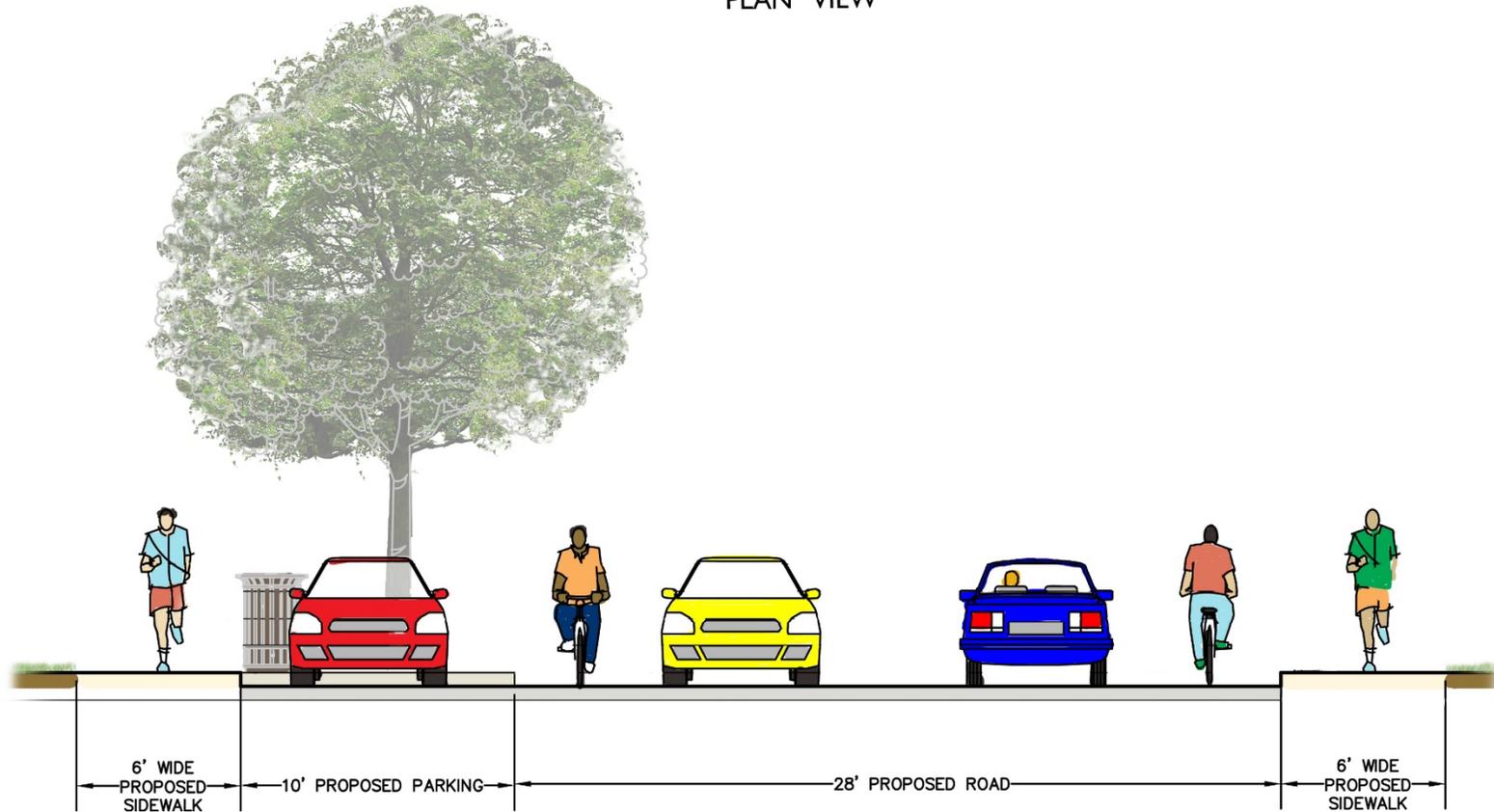
Hartford Avenue

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



Hartford Avenue

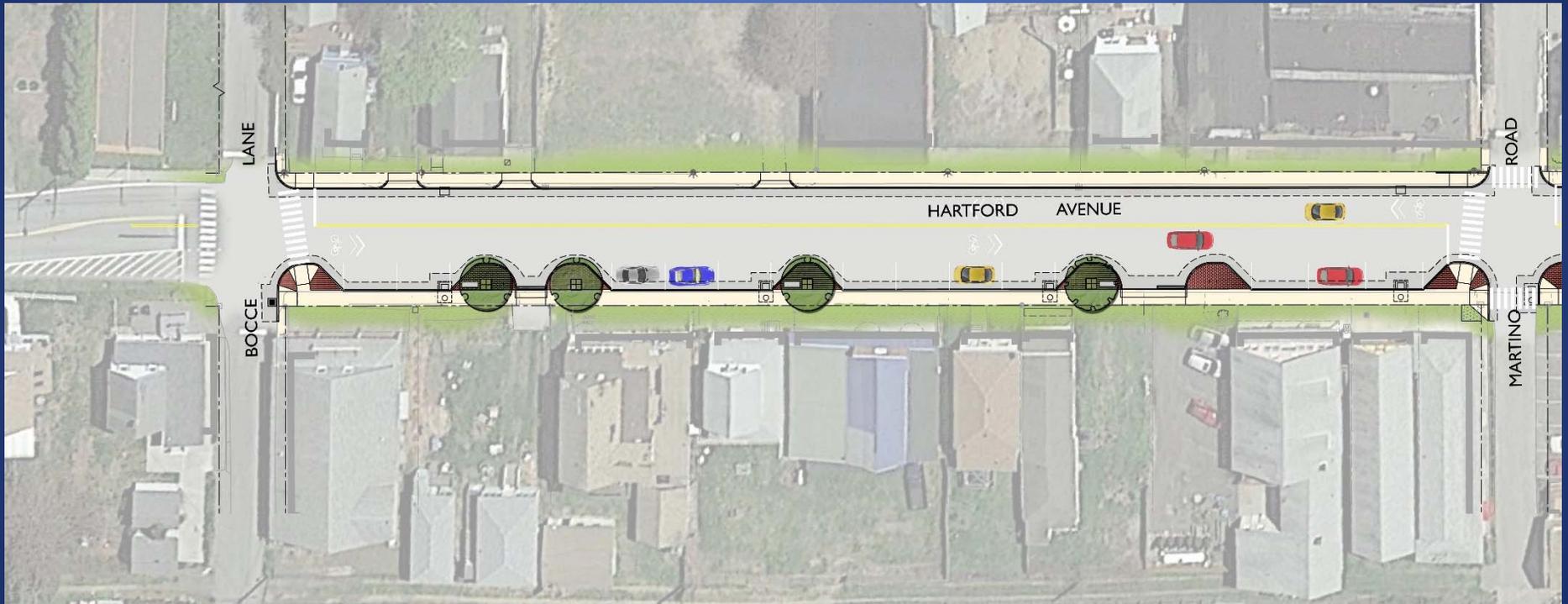
PLAN VIEW



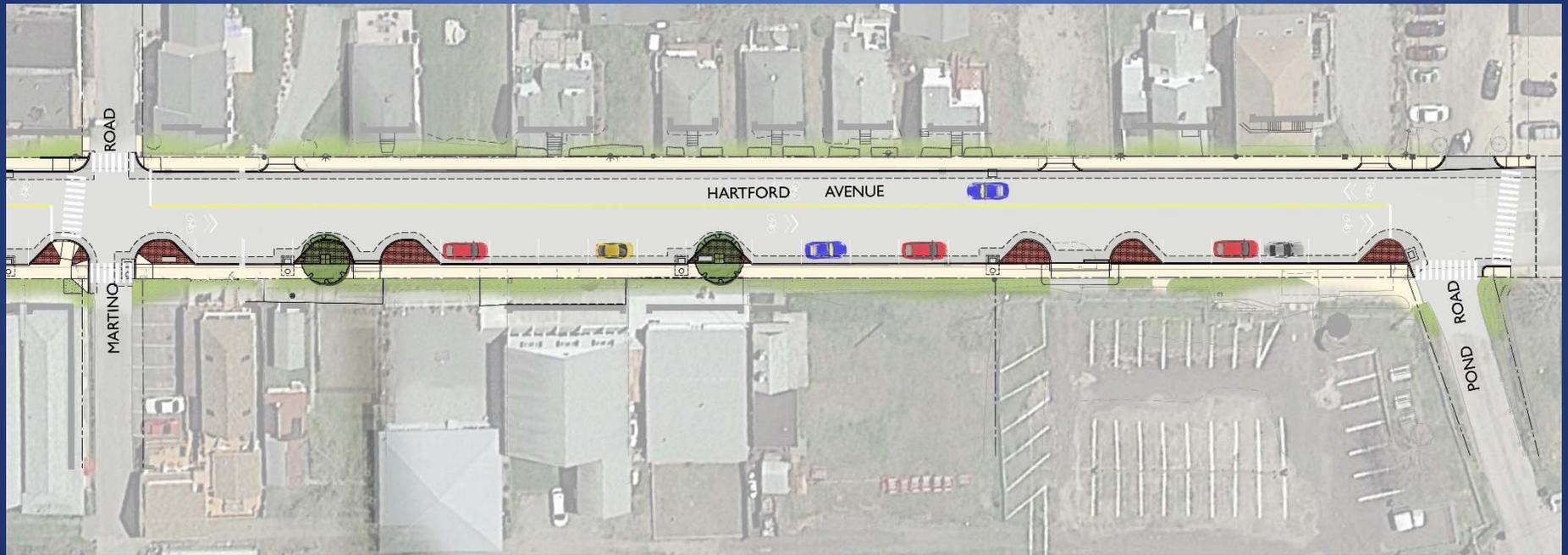
Typical Road Section



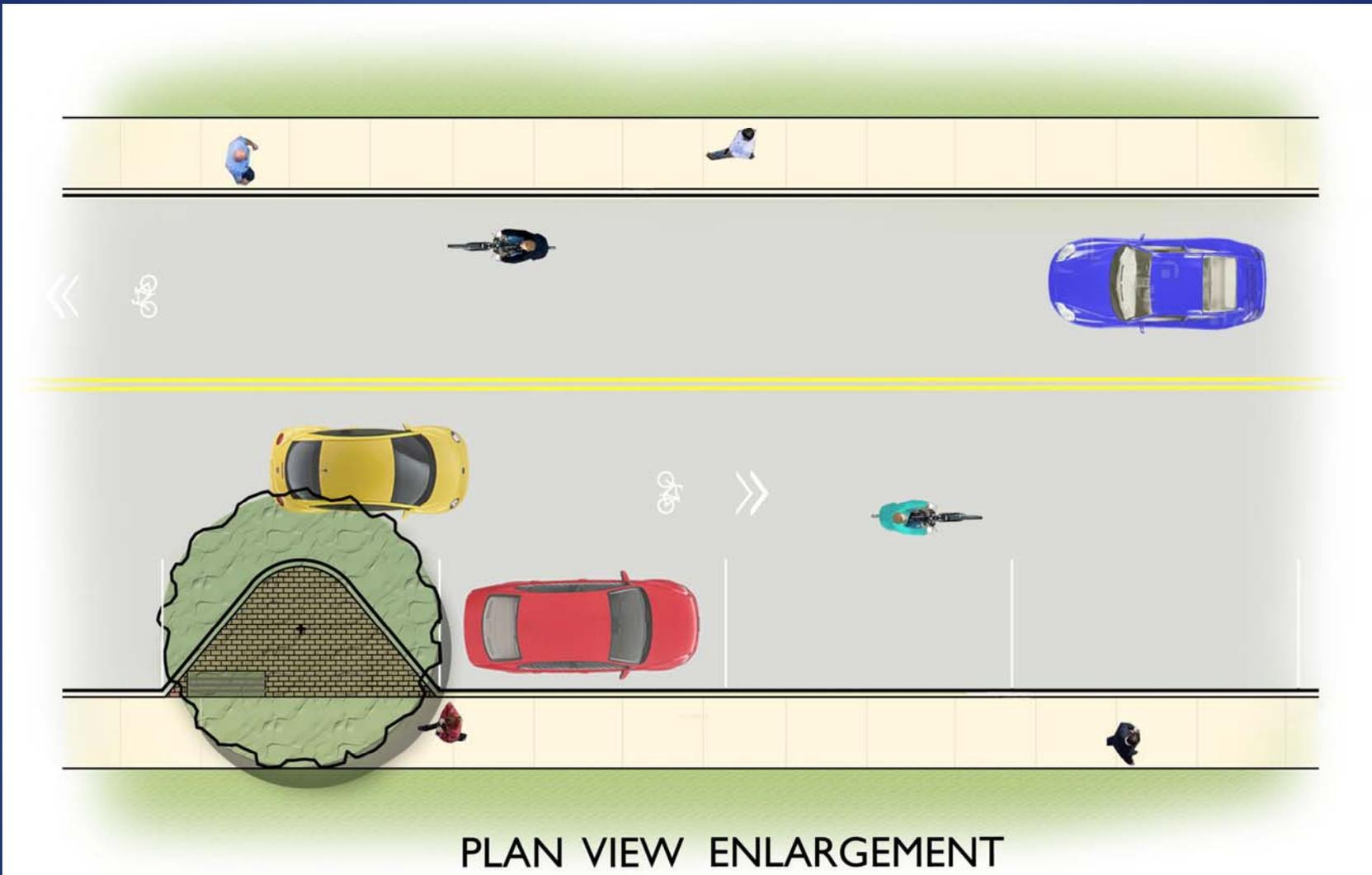
Hartford Avenue



Hartford Avenue



Hartford Avenue



PLAN VIEW ENLARGEMENT



Hartford Avenue



Armstrong Freeman Maple



Halka Honey Locust



Hartford Avenue



Hartford Avenue



Hartford Avenue



Hartford Avenue



Hartford Avenue



Consultant Costs

Budget Update - Phase Breakdown
BSC Project Invoice No. 6
Route 156 Bike Way and Sound View Improvements Project
State Project No. 104-172

Project Phase	Phase Budget	Phase Percent Completed	Amount Expended	Amount Remaining
Survey	\$16,907.81	100%	\$16,907.81	\$0.00
Geotechnical Labor	\$476.85	100%	\$476.85	\$0.00
Preliminary Design	\$41,007.80	100%	\$41,007.48	\$0.32
Final Design	\$42,486.26	83%	\$35,466.09	\$7,020.17
Construction	\$11,602.50	0%	\$0.00	\$11,602.50
Subtotal	\$112,481.22		\$93,858.23	\$18,623.00
Direct Costs	\$22,120.00	71%	\$15,695.57	\$6,424.43
Total Budget	\$134,601.22		\$109,553.80	\$25,047.43



Committee Decision

As this is Transportation Alternatives Funding, and safety is a priority, the Committee decided to focus on the Hartford Avenue streetscape with the following budget:

Hartford Ave. Improvements:	\$751,000
Allocated reimbursement:	\$600,800
Town portion:	\$150,200

This is approx. 80% grant; 20% Town funded



Future Improvements

- Street Lighting
- Planter Renovations
- Sound View Green
- Public Restrooms



Thank You!

Questions?

