



PRESENTATION TO

Town of Monroe

RECONSTRUCTION OF PEPPER STREET
STATE PROJECT NO.: 84-109
FEDERAL-AID-PROJECT NO. 1084 (106)

January 27, 2014



BL Architecture
Engineering
Environmental
Land Surveying
Companies

Introduction

- Scott Schatzlein, PE, Town Engineer
Town of Monroe
- Michael Fisher, PE, Senior Project Manager
BL Companies



BL Companies Overview

- Integrated Services
- 125 Connecticut Employees
- Meriden, Hartford & Bridgeport Offices
- Employee Owned
- Significant CTDOT & Municipal Bridge & Roadway Design Experience



Project Scope & Overview

- Reconstruction of 4,500 LF along Pepper Street
 - Safety and Geometric Improvements
 - Trail Extension
 - Pavement Improvement & Minor Widening
 - Culvert Replacement & Hydraulic Improvements
- Project Supported by & through the Greater Bridgeport Planning Agency (GBRPA)
- Project Administered & Reviewed by CTDOT



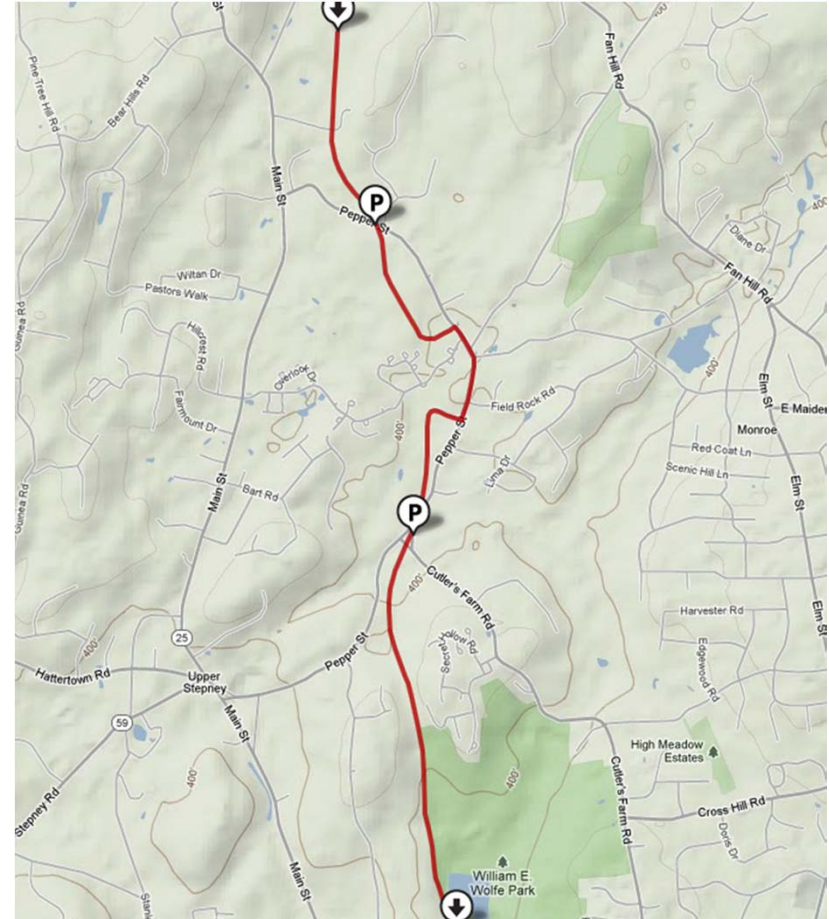
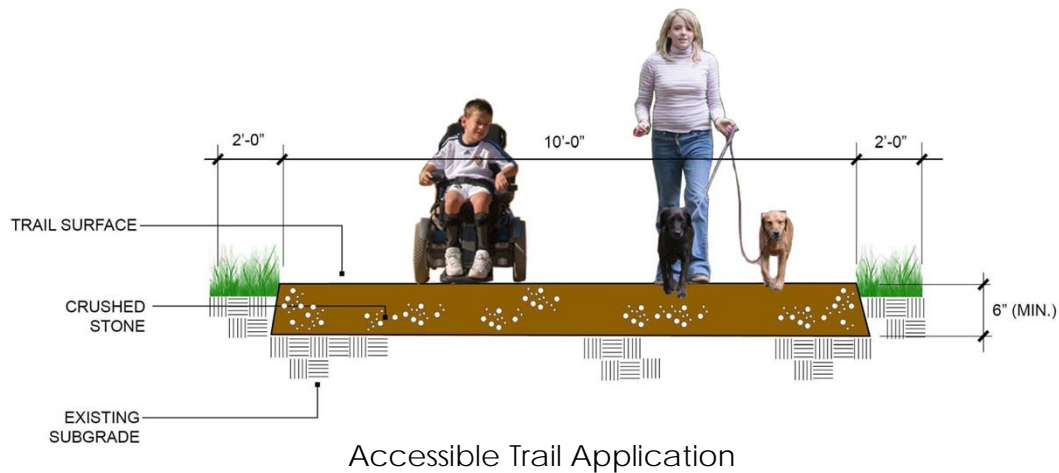
Existing Conditions

- Existing Conditions
 - Urban Minor Arterial/Urban Collector
 - Posted Speed 25 mph
 - ADT 4,000
 - Residential & Commercial
 - Signalized Intersection
 - Housatonic Valley Railbed Trail
- Roadway Typical Section
 - 2 – 12' Lanes 2' Shoulders
 - Pavement in Poor Condition



Multi-use Trail System

- Project Considerations
 - Consistent with existing Housatonic Valley Rail Trail Standards
 - Trail Surface & Maintenance
 - ADA Accessibility
 - Culvert crossing / Wetland Impacts
 - Amenity Opportunities



Existing Conditions

- Drainage
 - Mix of Closed Systems & Sheet Flow
 - Inadequate Roadway Drainage
 - Pequonnock River Box Culvert
 - Within FEMA Floodplain & Floodway
 - Hydraulically Inadequate (FEMA)
 - 0.8 Square Mile Drainage Area
 - Three Roadway Cross-Culverts

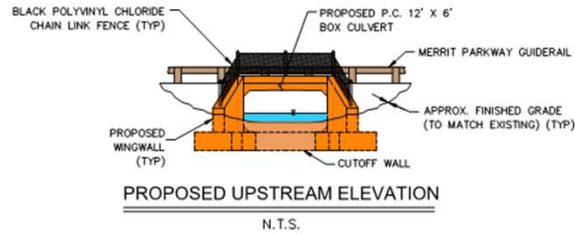
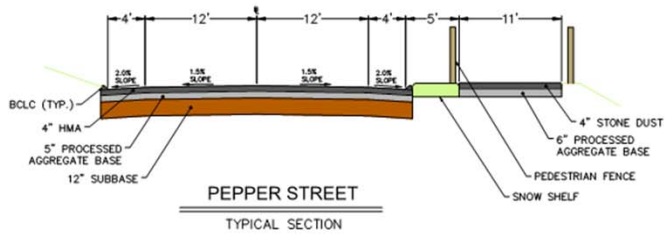
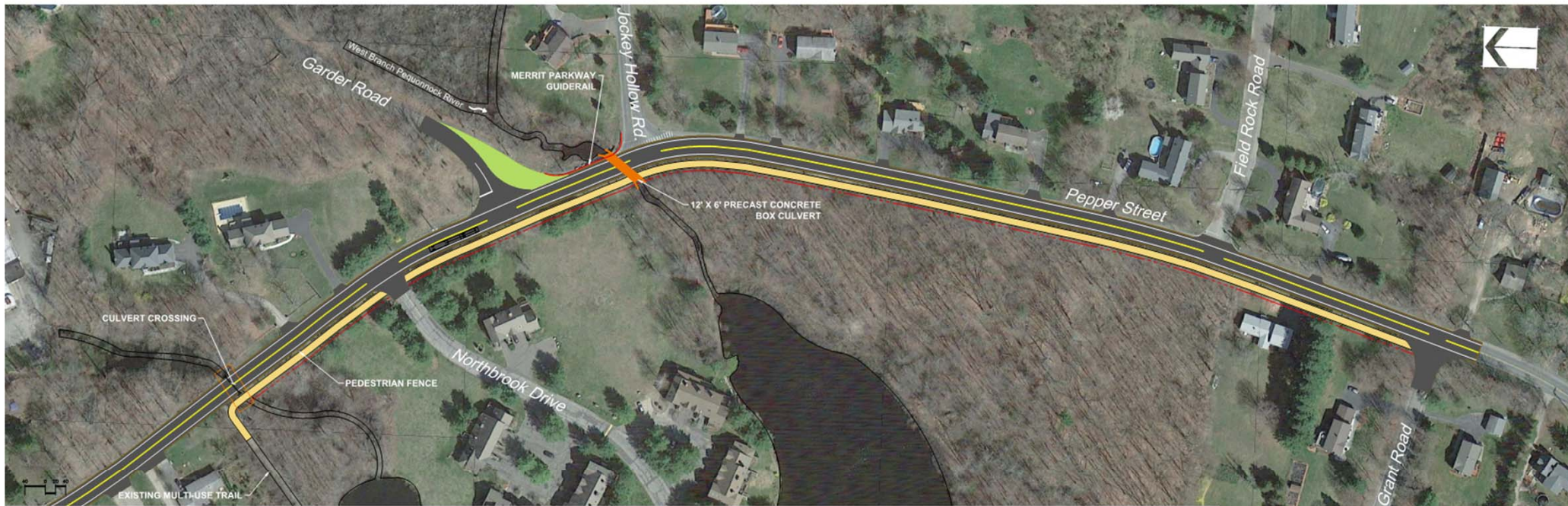


Design Elements

- Multi-use Trail
- 12' X6' Box Culvert
- Pepper St. Profile Improvements
- Signalized Intersection
- Pavement Reconstruction
- Garder Road Intersection Improvements
- Drainage Improvements



Proposed Plans & Renderings

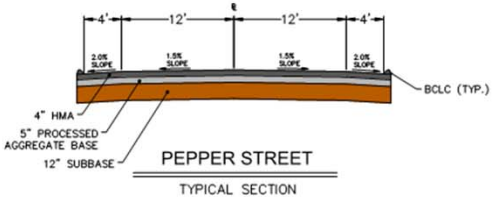
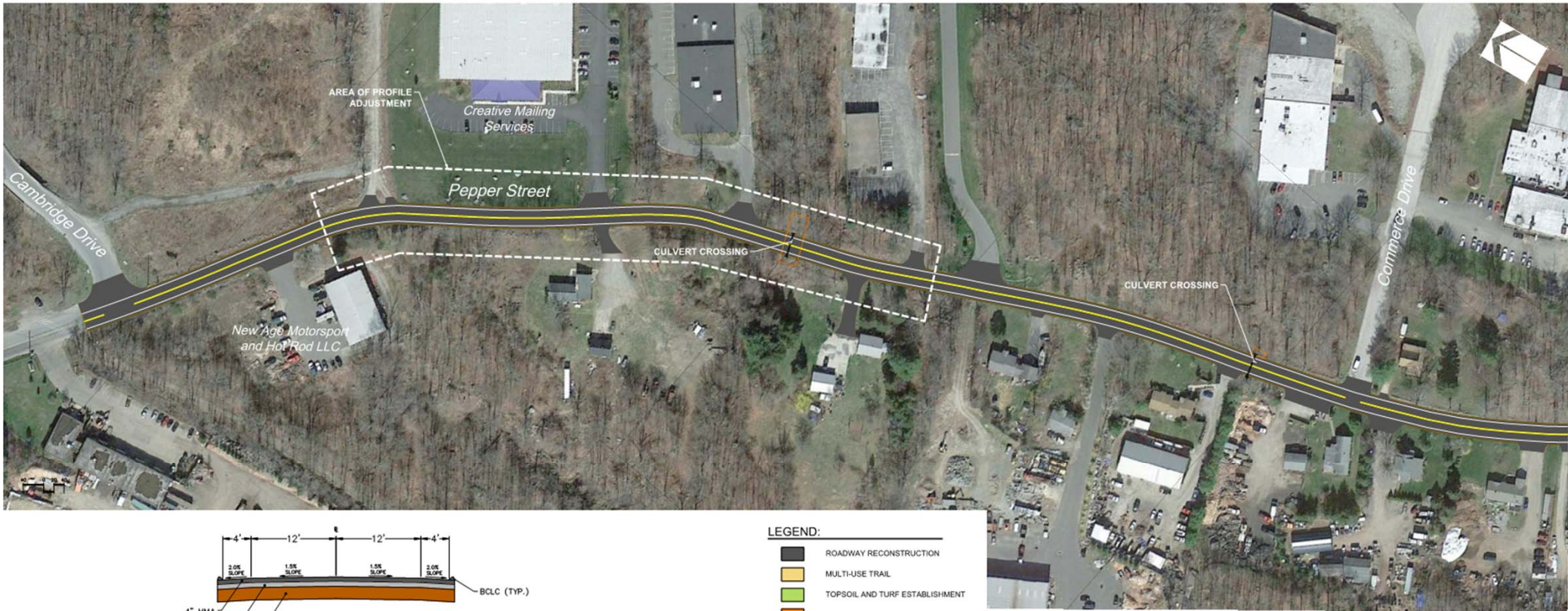


LEGEND:

	ROADWAY RECONSTRUCTION
	MULTI-USE TRAIL
	TOPSOIL AND TURF ESTABLISHMENT
	PRECAST CONCRETE CULVERT
	TAKING LINE
	DRAINAGE RIGHT OF WAY/EASEMENT



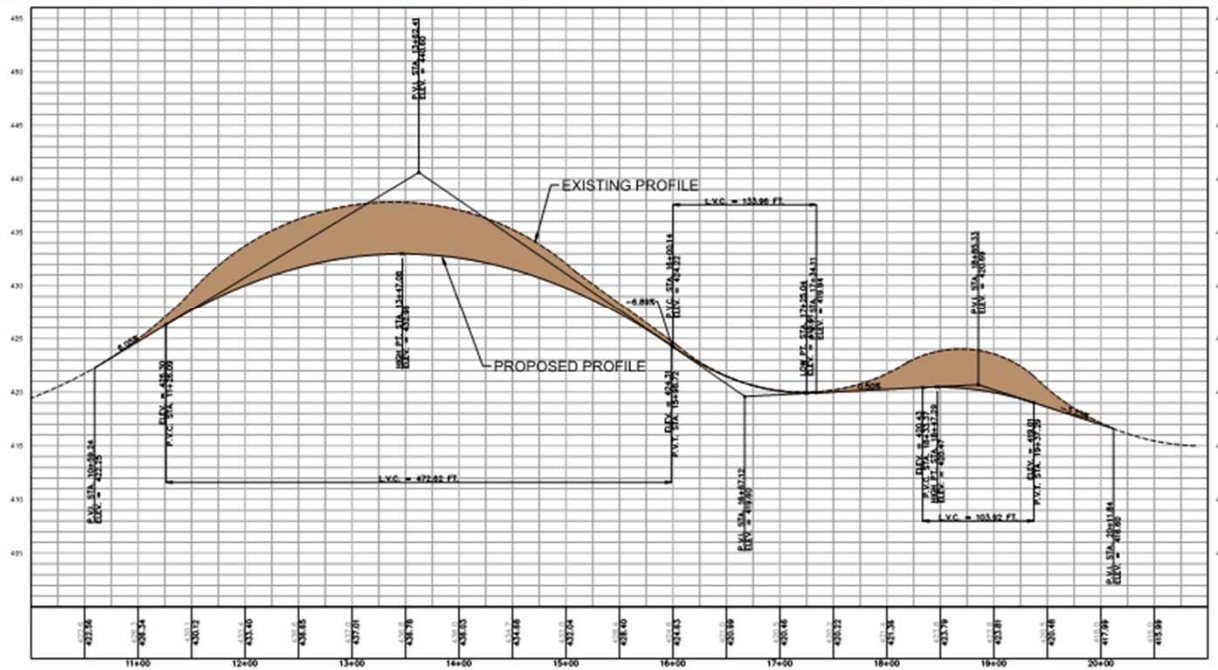
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Key Issues

- Pepper Street Vertical Profile Improvements
 - Maintain Access
- Main Street Intersection Improvements
 - Right Turn Lane
 - New Signal
- Safety
 - Sight Distance (SSD & ISD)
 - Pedestrian Fence
 - Merritt Parkway Guiderail



Key Issues

- Maintenance & Protection of Traffic During Construction
 - Alternating One-Way
 - Detour

- Utility Coordination
 - Early Coordination & Investigation
 - Overhead Relocation
 - Underground Support & Relocation



Schedule

- Contract
 - Contract for this Phase has been Reviewed by the Town Attorney & Approval by Town Council will be Contingent on Approval of the Full Bonding Process at Town Meeting (2014)
- Design 2014
- ROW Phase (2015)
- Construction Phase (2016 – 2017)



Cost Estimates

- Overall Project: \$5,051,500
 - Preliminary Engineering: \$536,000
 - Rights of Way: \$870,000
 - Construction: \$3,645,500

- Funding & Cost Sharing
 - Federal 80% Share
 - State of Connecticut 10% Share
 - Town of Monroe 10% Share

- Project Funding Based on Reimbursement Basis
 - Town Pays & Submits for Reimbursement from State/Federal Gov't



Project Administration, Oversight & Public Involvement

- State of Connecticut – CTDOT – Office of Engineering
 - Consultant Design
 - Preliminary, Semi-Final, Final for Review and Final Design Phase Reviews
 - Construction Oversight by CTDOT District
- Town of Monroe – Town Engineer
 - Quarterly Status Reports for Town Council from the Town Engineer
 - Concurrent Design Phase Reviews
- Public Involvement - Town of Monroe Residents
 - Public Informational Meeting at Preliminary Design Level
 - On-going coordination with abutting property owners and concerned citizens.



Alternatives

- Town of Monroe
 - Normal Maintenance & Modifications
 - Full Cost Would be on the Town of Monroe & would require additional management resources
- No Build
 - Would leave safety concerns open & would leave the grant unused



Benefits

- Safety Considerations
 - Pavement Improvement
 - Pedestrian Improvement
 - Site Line Improvement
 - Drainage Improvement
- Economic Development Considerations
 - Enhances Industrial Area for Potential Economic Development



Multi-use Trail System



Proposed Culvert

