EVERSOURCE

Project Approval Form

Project Title: Full Funding City of Meriden-Repl of Center St Bridge Repl	Project Number:CD02453
Date Prepared: 09/13/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** Line Relocations/Act of Public Authority
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** Yes
Project Manager: [redacted]	**Emergency Related Request?** No
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 12/31/25	
Total Capital Request: $1.989.5M	**Authorization Type:** Full Funding

1. Executive Summary

In 2012, this project was established as Project 103913 to address Meriden's bridge replacement project. The City of Meriden is replacing a bridge located on Center St just north of Pratt St. Eversource facilities exist in both the overhead and underground. Project CD02453 was created to replace 103913 with the current PAF format.

Project CD02453 temporarily relocates Eversource overhead and underground facilities so that the bridge can be replaced. When Meriden has completed the bridge replacement Eversource facilities will be restored and the existing PMH manual switch gear will be replaced with an ISG 4-way automatic pair.

The existing Eversource facilities are the:

- [redacted]
- [redacted]
- [redacted]
- [redacted]

Project Location:

- Division: Central
- District: Cheshire AWC
- City/Town: Meriden

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2025	2026	Year 3+	Total
Internal Labor and Construction Equipment	150.2	0.0	0.0	150.2
Outside Services	325.7	0.0	0.0	325.7
Materials	364.5	0.0	0.0	364.5
Removals	84.0	0.0	0.0	84.0
Risk and Contingency	180.9	0.0	0.0	180.9
Other	0.0	0.0	0.0	0.0
Subtotal	**1,105.2**	**0.0**	**0.0**	**1,105.2**

Indirect Capital Costs	2025	2026	Year 3+	Total
Indirects/Overheads (including benefits)	884.3	0.0	0.0	884.3
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal	**884.3**	**0.0**	**0.0**	**884.3**
Total Capital Costs (Gross)	**1,989.5**	**0.0**	**0.0**	**1,989.5**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net of Reimbursement)	**1,989.5**	**0.0**	**0.0**	**1,989.5**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

[redacted]

b. Project Need

This project is established to relocate existing overhead and underground Eversource facilities so Meriden's bridge replacement can proceed.

[redacted]

c. Project Scope

Scope:

- [redacted]

Major Material:

- ISG 4-way pair
- 4 poured in place manholes
- 450 feet 336 TW
- 400 feet 500CU
- 400 feet 4/0 Al

4. Alternatives Considered

none

Project Option Comparison

[redacted]		
Capital Cost	$1,989.5K	
Expense Cost	$69K	
Total Cost	$2,058.5K	
Preferred option	X	

Option 1 this option relocates Eversource facilities and replaces the manual PMH5 pair switch gear with an ISG automatic pair.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Initial Approval	October 2024
100% Detailed Engineering Completion	October 2024
Fully Funded	December 2024
Construction Start	May 2025
In Service Date	December 2025

6. Regulatory Decisions

No

7. Codes and Standards

N/A

8. Risk and Contingencies

Contingencies:

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2025	Medium	Included contingency costs in the funding request. Perform detailed Field Analysis and walk

			down in project development to avoid potential issues.
Customer Permission / Siting Council / Municipal approvals	2025	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2025	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Internal engineering resources not available to perform the work.	2025	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2025	High	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2025	Medium	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2025	Medium	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2025	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.
Wetlands / Environmentally sensitive area	2025	Low	Use of mats and specialty equipment, only work during certain times of the year.

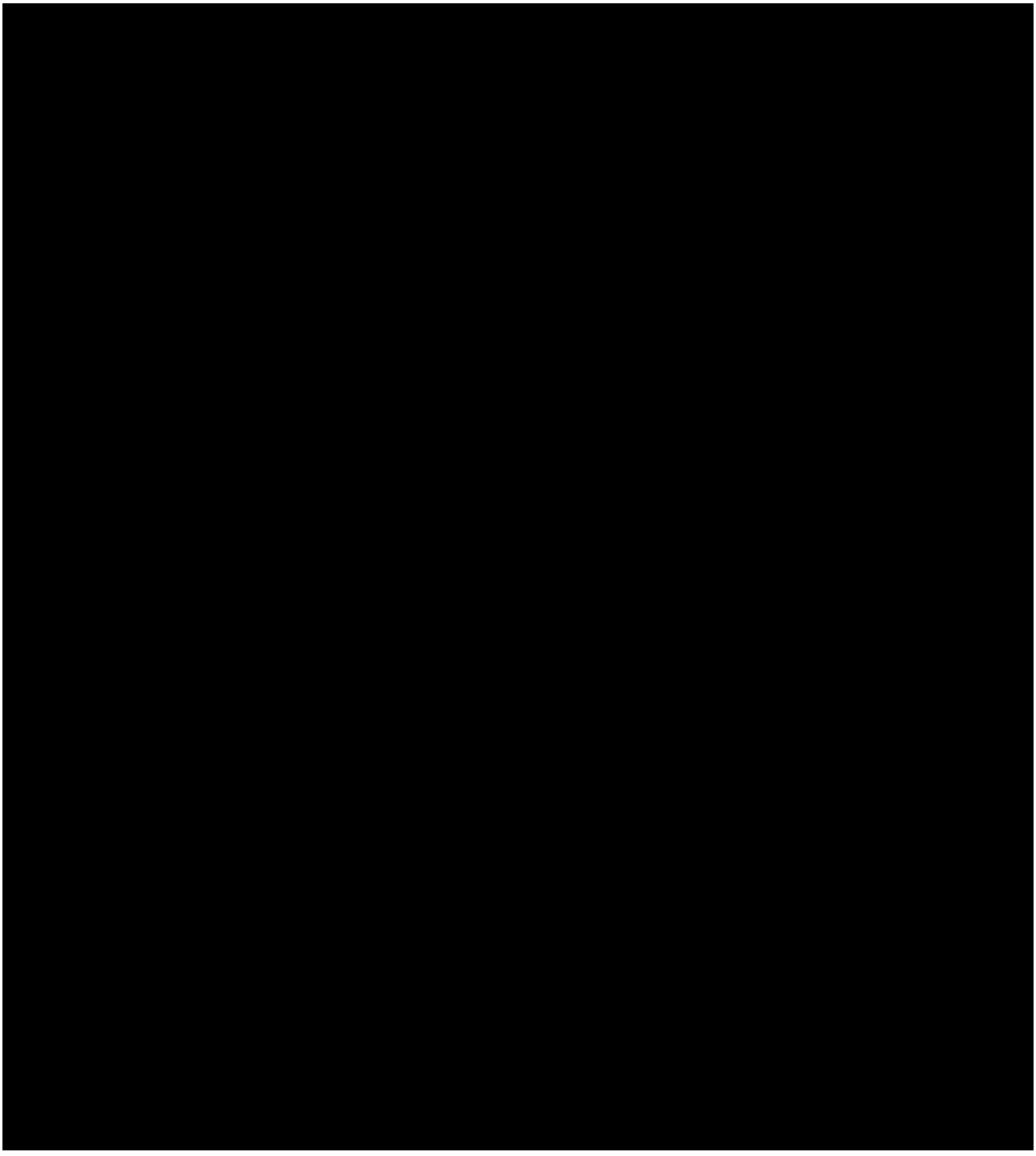
9. References

References
1. N/A

10. Attachments (One Line Diagrams, Images, etc.)

Attachment	Included in Submittal?
A. Geographic Map	*YES*
B. System and Station One-Lines	*YES*

Satellite view



Attachment "B" Before Map



Eversource facilities fully relocated:



New conduits installed in bridge:

[redacted]

After Map

[redacted]

Attachment "C" Existing One-line:



After One-line



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Project Title: City of Meriden Repl of Center St Bridge	Project Number: CD02453
Date Prepared: 08/30/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** OVERLOADS-SPECIFIC PROJECTS
Project Manager [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of 5-year plan?** No
	Emergency Related Request? No
Total Request ($): 30K	**Authorization Type:** Initial Funding

1. Project Need Statement

In 2012, this project was established as Project 103913 to address CDOT 79-212. The City of Meriden is replacing a bridge located on Center St just north of Pratt St. Eversource facilities exist in both the overhead and underground. Project CD05453 was created to replace 103913 with the current PAF format.

2. Project Objectives

Project CD02453 temporarily relocates Eversource overhead and underground facilities so that the bridge can be replaced. When Meriden has completed the bridge replacement Eversource facilities will be restored. In addition, the existing manual PHG5 pair will be replaced with an ISG 4-way pair.

The existing Eversource facilities are the:

[redacted]

Project Location:

- Division: Central
- District: Cheshire AWC
- City/Town: Meriden

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Project Initiator: [redacted]

Engineering Approval: _____