EVERSOURCE

Project Approval Form

Project Title: CDOT 53-189 Modifications to Rt17 & New London Tpke. Glastonbury	**Project Number:** CD02664
Date Prepared: 04/01/2025	**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: 09/30/2027	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: **$2,077.1K** (100% Reimbursable)	**Authorization Type:** Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of $2,077.1K which is 299% of the partial funding request of $694.7k. CD02664 was approved for partial funding on 8/14/2025. There were no scope changes but the major cost variance is driven by the following: an underestimation of the estimating units for the civil and cable work (a difference of $327.9k split between Internal Labor ($206.k), Material ($34.9k), and Outside Service ($137.4k) costs), and an underestimation in Indirects (difference of $916.5k).

Project CD02664 is a 100% reimbursable project that was created to address relocation requests by the CT DOT as part of CT DOT Project 53-189 which involves major bridge modifications along Route 17 (Glastonbury Expressway) & New London Turnpike in Glastonbury, CT.
CT DOT has requested Eversource to [redacted]

Project CD02664 is divided into two phases:

Phase 1 – Bridge 00870 (ISD: Mar 2026)

[redacted]

Phase 2 – Bridge 00389 (ISD: Sep 2027)

[redacted]

Eastern Region
East Hampton AWC
Town of Glastonbury

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2025	Year 2027	Year 2028	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	232.4	23.0	0.0	255.4
Outside Services	226.8	22.4	0.0	249.2
Materials	145.4	14.4	0.0	159.8
Removals	63.9	6.3	0.0	70.2
Risk and Contingency	171.8	17.0	0.0	188.8
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	840.3	83.1	0.0	923.5
Indirect Capital Costs				
Indirect/Overheads (including benefits)	1,049.7	103.9	0.0	1,153.6
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal – Indirect Costs	1,049.7	103.9	0.0	1,153.6
Total Gross Capital Costs	**1,890.0**	**187.0**	**0.0**	**2077.1**
Customer Contribution	**-1,890.0**	**-187.0**	**0.0**	**-2077.1**
Total Net Capital Project Costs	**0.0**	**0.0**	**0.0**	**0.0**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

The project area for CT DOT Project 53-189, where Eversource facilities are affected, takes place along Route 17 (Glastonbury Expressway) & New London Turnpike between the cross streets of Douglas Road and Williams Street East. Planned work includes the modification of Bridge 00870 and the removal of Bridge 00389.
Existing Eversource facilities interfere with planned CT-DOT bridge modification and removals and require poles and equipment to be relocated and primary lines to be reconfigured and or/rerouted.

[redacted]

b. Project Need

The need for this project stems from required work because of CT DOT Project 53-189. This work can be summarized into two phases that affect Eversource facilities: the first phase involves modifications to Bridge 00870 and the construction of a story and the second phase involves the removal of Bridge 00389 and changes to the road along New London Turnpike.

[redacted]

For the removal of Bridge 00389 and changes to the road, another set of poles will also need to be relocated for infrastructure improvements to take place.

c. Project Scope

CDOT Project 53-189 involves bridge modifications along Route 17 & New London Turnpike in Glastonbury. Eversource will be relocating its electrical facilities at this intersection to accommodate the DOT project, divided into two phases:

Scope:

Phase 1:

- [redacted]
- [redacted]

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

Phase 2:

- [redacted]
- [redacted]

Major Material:

Phase 1

- 1 Recloser (3Ph)
- 600’ – 1000 Cu 3-1/C (3Ph)
- 2 – UG Precast Manholes
- 2 – DB/UG Riser (3Ph)
- 3 – OH Pole (1Ph)
- 3 – OH Pole (3Ph)
- 600’ – 6-6” Duct banks

Phase 2

- 3 – OH Pole (1Ph)
- 3 – OH Pole (3Ph)
- 720’ – 477 AAC TW (3Ph)

4. Alternatives Considered

NWS

NWS Exclusion Criteria (select all that apply)

☐ Project cost < $250k	☐ New Service
☒ CDOT Relocation	☐ Generator interconnection project
☐ Maintenance, Asset condition or safety related*	

*Maintenance, Asset condition or safety related justification:
Connecticut DOT Project 53-189 is a 100% reimbursable project which entails major bridge modifications along Route 17 (Glastonbury Expressway) & New London Turnpike in Glastonbury.

Inability to complete the relocation request for Eversource facilities will delay CT-DOT's planned project scope.

No alternatives were considered as the driving force behind the project were CT DOT modifications and expansion with urgent need to be in service by March 2026.

Design Criteria	[redacted]
Required to	
Fulfills CT DOT's relocation request	
Additional Benefits (not req	
N/A	
Authorization Type	Partial
Capital Cost	$2,077.1k (100% CT DOT reimbursable)
Expense Cost	$272K
Total Cost	$2,077.1k (100% CT DOT reimbursable)
Total Cost / MVA Added	N/A
Total Cost / CM Saved	N/A
Total Cost / CI Saved	N/A
Preferred Option	**X**

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	July 2025
100% Detailed Engineering Completion	Oct2025
Fully Funded	Dec 2025
Construction Start	Jan 2026

Milestone/Phase Name	Estimated Date
In Service Date	Sep 2027

6. Regulatory Decisions

N/A

7. Codes and Standards

Standards that will be followed:

- **DTR 42.061- Tagging of primary cables.**
- **DTR 51.102- Cable layout of conduit.**
- **DSEM 07.012 - Spare Conduits**
- **DSEM 07.042- DB system Design Philosophy**
- **DSEM 07.161- Cable Riser Guide DSEM 07.222 UG/DB Design Selections**
- **DSEM 07.364- UG/DB Design Three Phase Commercial**
- **DSEM 08.31- 1 Insulated Al Cable Ratings**

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.	2026	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	2026	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.

Internal construction resources not available to perform the work.	2026	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.	2026	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2026	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2026	Medium	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2026	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	2026	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	2026	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1. CDOT 53-196 Bridge Mods Griswold St & House St

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

Attachment	Included in Submittal?
A[redacted] One-Line	*YES*
B. CDOT 53-189 Phase 1, Geographic Map	*YES*
C. CDOT 53-189 Phase 2, Geographic Map	*YES*
D. Cost Estimate	*YES*

Attachment "A"

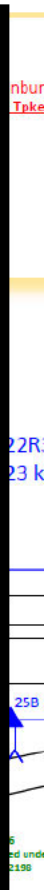


Attachment "B"

[redacted]

Attachment "C"

[redacted]



Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Work Classification

Category: Line
Type: RBPR
Type Desc: LINE RELOCATIONS/ACT OF PUBLIC
Work Type:

Ownership / Management

AWC: East Hampton
Statewide: No
Owner: [redacted]
Manager:

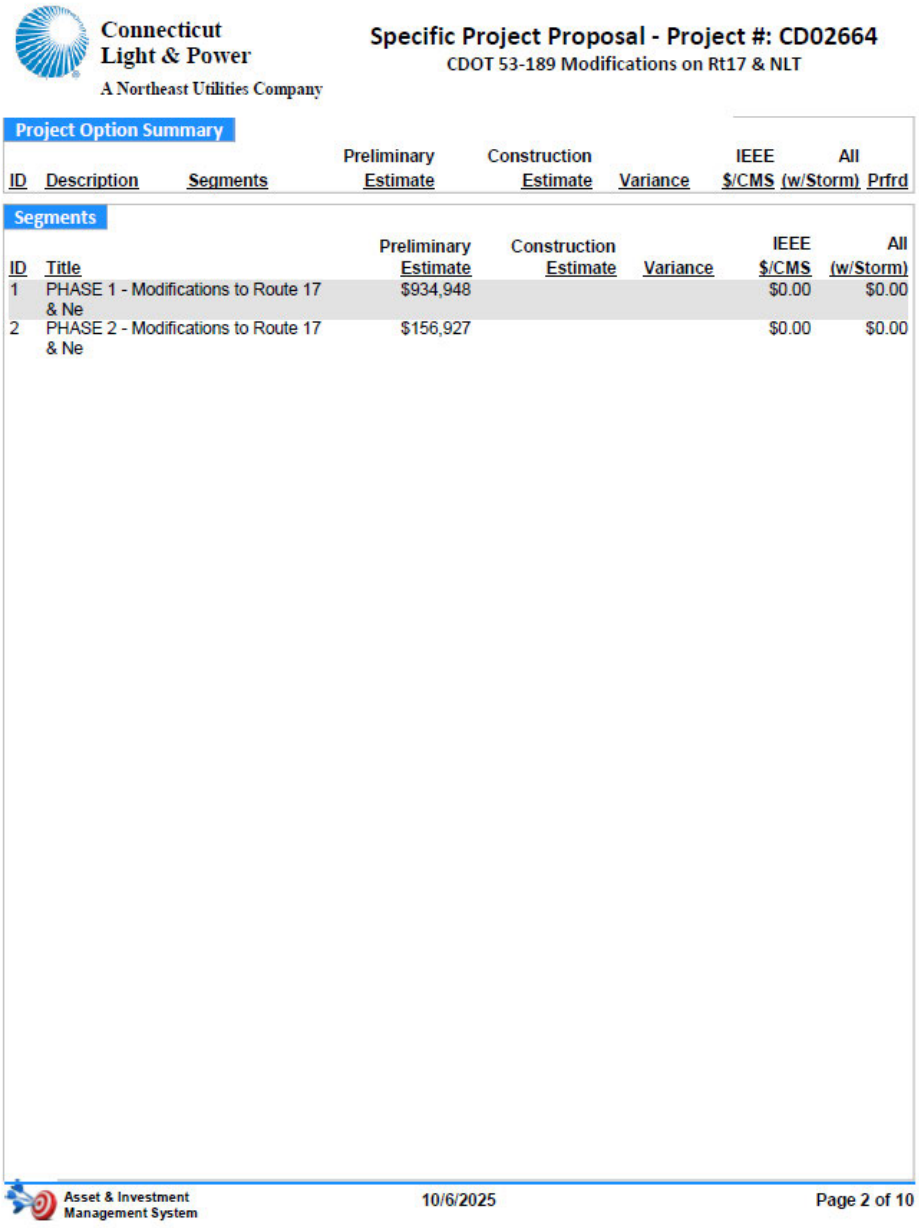
Project Information

Status: Draft
SPS #:
AIS Score:
Associated Projects:
Assignment ID:
Patrol Find ID:

Budget Summary - Preferred Option

--- No Preferred Option Selected / Created ---

Asset & Investment Management System 10/6/2025 Page 1 of 10



Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm) Prfrd

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	PHASE 1 - Modifications to Route 17 & Ne	$934,948			$0.00	$0.00
2	PHASE 2 - Modifications to Route 17 & Ne	$156,927			$0.00	$0.00

Asset & Investment Management System 10/6/2025 Page 2 of 10

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Background / Scope

Issue:
CT DOT has requested Eversource to relocate its overhead and underground electrical facilities along the [redacted] circuit at their areas of work on Rt17 and the New London Turnpike.

Project Description:

The project is split into 2 phases based on the work associated with each bridge (Bridges 870 & 389).

[redacted]

Other Considerations:
The project is 100% reimbursable by the CDOT.

Revision / ACT Comments:

If we don't do this project, what will happen?
Inability to perform this project will result in CDOT being unable to complete their work on the bridges

Environmental

Water Pollution: No Change Soil Contamination: No Change Natural Habitats: No Change
Alternatives considered based on Environmental Impact or Description of Aspects Oil Spill Risks Considered? ☐
Safety Concerns With This Project? ☐
Explain:

External Stakeholders

Customer Impact / Involvement

Cust. Impacted: Approx. Pole Count (NU):
Crit. Cust. Impacted: Approx. Pole Count (Other):
Adjoining Property Owner Consent Required: ☐ Town Hearing Required: ☐
Other Utility Pole Custodian Area: ☐ Easement Required: ☐
State Highway Permit Required: ☐

Relocation / New Service

New Srvc. Contact: Requestor Type:
Customer Type: State Highway Project #:
Request Number: Route #:

Connecticut Light & Power
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Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Design Alternative CD02664-01

General Information

Segment: 1 - PHASE 1 - Modifications to Route 17 & Ne Status: Draft
Segment Type: RELOCATION - UG Town: GLASTONBURY Budget Year: 2026
Work Type: DB-Cable Replacement Trimming Required: ☐ In Service Date: 3/31/2026
Description: Phase 1 of work associated with the CDOT 53-189 Modifications on Rt17 & NLT

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Connecticut Light & Power
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Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Design Alternative — CD02664-01

Estimate

Preliminary Estimate Summary	
Revision Number:	0
Contingency:	20.00%
SubTotal:	$779,123
Contingency Amount:	$155,825
Estimate:	$934,948
Reimbursement:	$0
Net Amount:	$934,948
Description:	

Item Description	CU	[redacted]	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	23-ALL17		$9,124.96
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18		$100,000.00
POLE OH - POLE - 3ph (Eversource custodian)	23-OH14		$18,236.40
POLE OH - Install/Replace Anchor and Guy	23-OH14B		$5,998.72
OH WIRE OH - Remove circuit wire (3 phase)	23-OH37A		$1,456.00
SECTIONALIZE OH - Recloser - 3ph	23-OH38		$62,386.48
SECTIONALIZE OH - Remove Recloser (any)	23-OH42		$7,352.80
UG CABLE DB/UG - 750/1000 - 3-1/C (3ph) Cu	23-UG114B		$74,880.00
UG CABLE UG - Cable Removal - all cables	23-UG117		$6,500.00

Asset & Investment Management System — 10/6/2025 — Page 5 of 10

Connecticut Light & Power
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Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Design Alternative		[redacted]	CD02664-01
ENCLOSURE UG - MANHOLE - Precast	23-UG139		$163,764.64
POLE DB/UG - Riser - 3ph	23-UG146		$28,065.44
POLE OH - POLE - 1ph (Telephone custodian)	25-OH11		$5,072.70
POLE OH - POLE - 1ph (Eversource custodian)	25-OH13		$3,899.17
SECTIONALIZE OH - Cutouts or Arresters - 1ph	25-OH19		$1,853.86
OH WIRE OH - Reconductor Open Wire Secondary w/ Triplex	25-OH30		$3,029.60
OH WIRE OH - Line Extension - 1ph (any gauge)	25-OH32		$16,224.00
OH WIRE OH - Line Extension - 3ph (556 kcmil)	25-OH34		$12,979.20
OH WIRE OH - Remove circuit wire (1 phase)	25-OH37		$1,701.00
XF OH - OH XF - 1ph	25-OH45		$2,852.18
CONDUIT UG-Ductline-up to 12 duct - Traveled Way / Paved	25-UG137		$253,746.00

Associated / Impacted Devices

Status	Type / SubID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]						

Asset & Investment Management System 10/6/2025 Page 6 of 10

Connecticut Light & Power
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Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Design Alternative CD02664-01

Reliability Projection

Title:

Outage Start Date: 1/1/2007 Outage End Date: 6/10/2025 Years History: 18.45

[redacted]

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Design Alternative CD02664-02

General Information

Segment: 2 - PHASE 2 - Modifications to Route 17 & Ne Status: Draft
Segment Type: RELOCATION - UG Town: GLASTONBURY Budget Year: 2026
Work Type: DB-Cable Replacement Trimming Required: ☐ In Service Date: 6/30/2027
Description: Phase 2 of work associated with the CDOT 53-189 Modifications on Rt17 & NLT

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Asset & Investment Management System 10/6/2025 Page 8 of 10

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Design Alternative — CD02664-02

Estimate

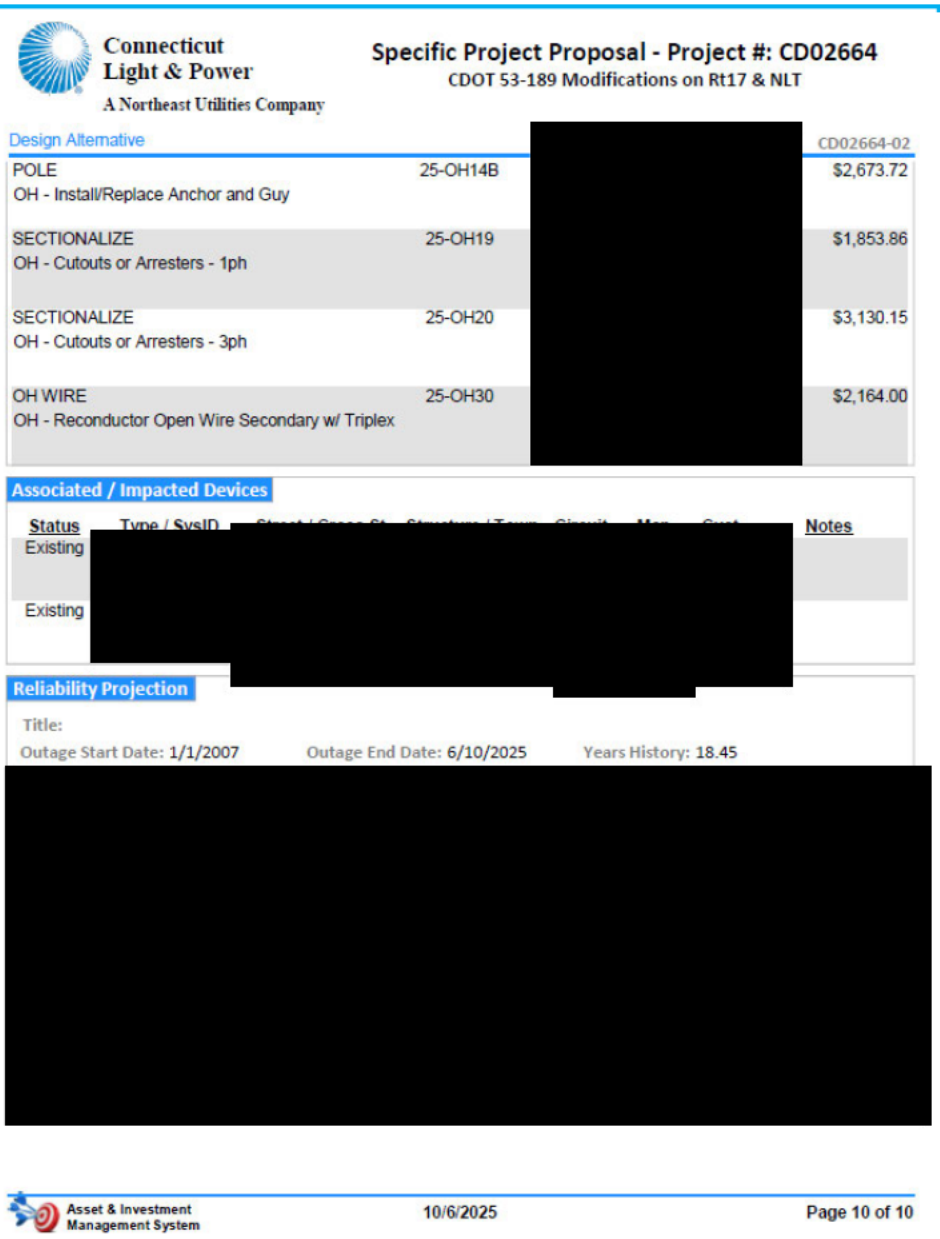
Preliminary Estimate Summary

Revision Number:	0
Contingency:	20.00%
SubTotal:	$130,772
Contingency Amount:	$26,154
Estimate:	$156,927
Reimbursement:	$0
Net Amount:	**$156,927**

Description:

Item Description	CU	[redacted]	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	23-ALL17		$4,562.48
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18		$15,000.00
POLE OH - POLE - 1ph (Eversource custodian)	23-OH13		$7,498.40
POLE OH - POLE - 3ph (Eversource custodian)	23-OH14		$6,078.80
INSULATOR OH - Insulating guy rod	23-OH23		$1,391.52
OH WIRE OH-Reconductor w/175 Mil Tree Wire-3ph- 556 kcmil	23-OH27		$72,633.60
UG CABLE UG - Cable Removal - all cables	23-UG117		$3,900.00
POLE OH - POLE - 1ph (Telephone custodian)	25-OH11		$5,072.70
POLE OH - POLE - 3ph (Telephone custodian)	25-OH12		$4,813.12

Asset & Investment Management System — 10/6/2025 — Page 9 of 10



Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Design Alternative		[redacted]	CD02664-02
POLE OH - Install/Replace Anchor and Guy	25-OH14B		$2,673.72
SECTIONALIZE OH - Cutouts or Arresters - 1ph	25-OH19		$1,853.86
SECTIONALIZE OH - Cutouts or Arresters - 3ph	25-OH20		$3,130.15
OH WIRE OH - Reconductor Open Wire Secondary w/ Triplex	25-OH30		$2,164.00

Associated / Impacted Devices

Status	Type / SysID	[redacted]	Notes
Existing			
Existing			

Reliability Projection

Title:
Outage Start Date: 1/1/2007 Outage End Date: 6/10/2025 Years History: 18.45

[redacted]

Asset & Investment Management System 10/6/2025 Page 10 of 10

Project Title: CDOT 53-189 Modifications to Rt17 & New London Tpke. Glastonbury	**Project Number:** CD02664
Date Prepared: 04/01/2025	**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:** No

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: 09/30/2027	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: 694.7K (100% Reimbursable)	**Authorization Type:** Partial Funding

11. Executive Summary

Project CD02664 is a 100% reimbursable project that was created to address relocation requests by the CT DOT as part of CT DOT Project 53-189 which involves major bridge modifications along Route 17 (Glastonbury Expressway) & New London Turnpike in Glastonbury, CT.
CT DOT has requested Eversource to relocate its overhead and underground electrical facilities along the [redacted] at their areas of work (Bridges 00870 & 00389) between the cross streets of Douglas Road and Williams Street East.

Project CD02664 is divided into two phases:

Phase 1 – Bridge 00870 (ISD: Mar 2026)

[redacted]

Phase 2 – Bridge 00389 (ISD: Sep 2027)

[redacted]

Eastern Region
East Hampton AWC
Town of Glastonbury

12. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Year 2027	Year 2028	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	36.2	8.2	0.0	44.4
Outside Services	163.6	37.2	0.0	200.7
Materials	77.2	17.6	0.0	94.8
Removals	43.8	10.0	0.0	53.7
Risk and Contingency	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**320.8**	**72.9**	**0.0**	**393.7**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	234.4	53.3	0.0	287.7
Capitalized interest or AFUDC, if any	10.8	2.5	0.0	13.3
Subtotal – Indirect Costs	**245.2**	**55.8**	**0.0**	**301.0**
Total Gross Capital Costs	**566.0**	**128.7**	**0.0**	**694.7**
Customer Contribution	**-566.0**	**-128.7**	**0.0**	**-694.7**
Total Net Capital Project Costs	**0.0**	**0.0**	**0.0**	**0.0**

13. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

The project area for CT DOT Project 53-189, where Eversource facilities are affected, takes place along Route 17 (Glastonbury Expressway) & New London Turnpike between the cross streets of Douglas Road and Williams Street East. Planned work includes the modification of Bridge 00870 and the removal of Bridge 00389.

Existing Eversource facilities interfere with planned CT-DOT bridge modification and removals and require poles and equipment to be relocated and primary lines to be reconfigured and or/rerouted.

[redacted]

b. Project Need

The need for this project stems from required work because of CT DOT Project 53-189. This work can be summarized into two phases that affect Eversource facilities: the first phase involves modifications to Bridge 00870 and the construction of a story and the second phase involves the removal of Bridge 00389 and changes to the road along New London Turnpike.

Due to existing facilities on New London Turnpike interfering with modifications to Bridge 00870 and the rotary, multiples poles will be need to relocate and transition to an underground duct system along with the relocation of the existing midpoint recloser in the area.

For the removal of Bridge 00389 and changes to the road, another set of poles will also need to be relocated for infrastructure improvements to take place.

c. Project Scope

CDOT Project 53-189 involves bridge modifications along Route 17 & New London Turnpike in Glastonbury. Eversource will be relocating its electrical facilities at this intersection to accommodate the DOT project, divided into two phases:

Scope:

Phase 1:

- [redacted]

Phase 2:

- [redacted]

Major Material:

Phase 1

- 1 Recloser (3Ph)

- 720' – 1000 Cu 3-1/C (3Ph)
- 2 – UG Precast Manholes
- 2 – DB/UG Riser (3Ph)
- 4 – OH Pole (3Ph)
- 6-6" Duct banks

Phase 2

- 2 – OH Pole (1Ph)
- 3 – OH Pole (3Ph)
- 600' – 477 AAC TW (3Ph)

14. Alternatives Considered

NWS

NWS Exclusion Criteria (select all that apply)

☒ Project cost < $250k	☐ New Service
☒ CDOT Relocation	☐ Generator interconnection project
☐ Maintenance, Asset condition or safety related*	

*Maintenance, Asset condition or safety related justification:
Connecticut DOT Project 53-189 is a 100% reimbursable project which entails major bridge modifications along Route 17 (Glastonbury Expressway) & New London Turnpike in Glastonbury.
Inability to complete the relocation request for Eversource facilities will delay CT-DOT's planned project scope.

No alternatives were considered as the driving force behind the project were CT DOT modifications and expansion with urgent need to be in service by March 2026.

Design Criteria	[redacted]
Required to m	
Fulfills CT DOT's relocation request	
Additional Benefits (not requ	
N/A	

Authorization Type	Partial
Capital Cost	$694.7k (100% CT DOT reimbursable)
Expense Cost	$0
Total Cost	$694.7k (100% CT DOT reimbursable)
Total Cost / MVA Added	N/A
Total Cost / CM Saved	N/A
Total Cost / CI Saved	N/A
Preferred Option	X

15. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	July 2025
100% Detailed Engineering Completion	Oct2025
Fully Funded	Dec 2025
Construction Start	Jan 2026
In Service Date	Sep 2027

16. Regulatory Decisions

N/A

17. Codes and Standards

Standards that will be followed:

- DTR 42.061- Tagging of primary cables.
- DTR 51.102- Cable layout of conduit.
- DSEM 07.012 - Spare Conduits
- DSEM 07.042- DB system Design Philosophy
- DSEM 07.161- Cable Riser Guide DSEM 07.222 UG/DB Design Selections

- DSEM 07.364- UG/DB Design Three Phase Commercial
- DSEM 08.31- 1 Insulated Al Cable Ratings

18. Risk and Contingencies

Contingencies:

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2026	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	2026	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
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Storm delays	2026	Medium	If storm activity delays work, we may be forced to use external resources.

System abnormal configuration	2026	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	2026	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	2026	Low	Use of mats and specialty equipment, only work during certain times of the year.

19. References

References
1. CDOT 53-196 Bridge Mods Griswold St & House St

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

Attachment	Included in Submittal?
A. [redacted] One-Line	*YES*
B. CDOT 53-189 Phase 1, Geographic Map	*YES*
C. CDOT 53-189 Phase 2, Geographic Map	*YES*
D. Cost Estimate	*YES*

Attachment "A"



Attachment "B"



Attachment "C"



Attachment "D

Project Approval Form

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Work Classification

Category: Line
Type: RBPR
Type Desc: LINE RELOCATIONS/ACT OF PUBLIC
Work Type:

Ownership / Management

AWC: East Hampton
Statewide: No
Owner: [redacted]
Manager:

Project Information

Status: Draft
SPS #:
AIS Score:
Associated Projects:
Assignment ID:
Patrol Find ID:

Budget Summary - Preferred Option

--- No Preferred Option Selected / Created ---

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Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	PHASE 1 - Modifications to Route 17 & Ne	$583,097			$0.00	$0.00
2	PHASE 2 - Modifications to Route 17 & Ne	$133,340			$0.00	$0.00

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Background / Scope

Issue:

Project Description:

Other Considerations:

Revision / ACT Comments:

If we don't do this project, what will happen?

Environmental

Water Pollution: No Change Soil Contamination: No Change Natural Habitats: No Change

Alternatives considered based on Environmental Impact or Description of Aspects Oil Spill Risks Considered? ☐

Safety Concerns With This Project? ☐

Explain:

External Stakeholders

Customer Impact / Involvement

Cust. Impacted: Approx. Pole Count (NU):

Crit. Cust. Impacted: Approx. Pole Count (Other):

Adjoining Property Owner Consent Required: ☐ Town Hearing Required: ☐

Other Utility Pole Custodian Area: ☐ Easement Required: ☐

State Highway Permit Required: ☐

Relocation / New Service

New Srvc. Contact: Requestor Type:

Customer Type: State Highway Project #:

Request Number: Route #:

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Design Alternative CD02664-01

General Information

Segment: 1 - PHASE 1 - Modifications to Route 17 & Ne Status: Draft
Segment Type: RELOCATION - UG Town: GLASTONBURY Budget Year: 2026
Work Type: DB-Cable Replacement Trimming Required: ☐ In Service Date: 3/31/2026
Description:

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

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Design Alternative — CD02664-01

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	20.00%
SubTotal:	$485,914
Contingency Amount:	$97,183
Estimate:	$583,097
Reimbursement:	$0
Net Amount:	**$583,097**
Description:	

Item Description	CU	[redacted]	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	23-ALL17		$9,124.96
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18		$100,000.00
POLE OH - POLE - 3ph (Eversource custodian)	23-OH14		$12,157.60
POLE OH - Install/Replace Anchor and Guy	23-OH14B		$1,713.92
OH WIRE OH - Remove circuit wire (3 phase)	23-OH37A		$1,248.00
SECTIONALIZE OH - Recloser - 3ph	23-OH38		$62,386.48
SECTIONALIZE OH - Remove Recloser (any)	23-OH42		$7,352.80
UG CABLE DB/UG - 750/1000 - 3-1/C (3ph) Cu	23-UG114B		$93,600.00
UG CABLE UG - Cable Removal - all cables	23-UG117		$6,500.00

Asset & Investment Management System — 8/1/2025 — Page 5 of 9

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Design Alternative CD02664-01

ENCLOSURE UG - MANHOLE - Precast	23-UG139	81882.32 / EA	2	$163,764.64
POLE DB/UG - Riser - 3ph	23-UG146	14032.72 / EA	2	$28,065.44

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing		[redacted]					

Reliability Projection

Title:

Outage Start Date: 1/1/2007 Outage End Date: 6/10/2025 Years History: 18.45

[redacted]

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Specific Project Proposal - Project #: CD02664
CDOT 53-189 Modifications on Rt17 & NLT

Design Alternative CD02664-02

General Information

Segment: 2 - PHASE 2 - Modifications to Route 17 & Ne | Status: Draft
Segment Type: RELOCATION - UG | Town: GLASTONBURY | Budget Year: 2026
Work Type: DB-Cable Replacement | Trimming Required: ☐ | In Service Date: 6/30/2027
Description:

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

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Design Alternative CD02664-02

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	20.00%
SubTotal:	$111,117
Contingency Amount:	$22,223
Estimate:	$133,340
Reimbursement:	$0
Net Amount:	**$133,340**

Description:

Item Description	CU	[redacted]	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	23-ALL17		$4,562.48
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18		$15,000.00
POLE OH - POLE - 1ph (Eversource custodian)	23-OH13		$7,498.40
POLE OH - POLE - 3ph (Eversource custodian)	23-OH14		$18,236.40
INSULATOR OH - Insulating guy rod	23-OH23		$1,391.52
OH WIRE OH-Reconductor w/175 Mil Tree Wire-3ph- 556 kcmil	23-OH27		$60,528.00
UG CABLE UG - Cable Removal - all cables	23-UG117		$3,900.00

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Design Alternative CD02664-02

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]						
Existing							

Reliability Projection

Title:

[redacted]