EVERSOURCE

Project Approval Form

Project Title: 2025 Eastern ROW Priority 3 poles	**Project Number:** CD02377
Date Prepared: 09/13/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** RIGHT OF WAY LINES
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: 12/31/2025	
Total Capital Request: $1.58M	**Authorization Type:** Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of **$1.58M** which is 87% of the partial funding capital estimate of $1.81M. CD02377 was partially approved on 3/28/2024. There is no scope change on the project. CD02377 covers 55 poles in the Eastern region, with 4 right-of-way poles that needed to be replaced in 2024, and the remaining poles to be constructed in 2025. This project falls within the 15% threshold relative to the partial funding estimate as is therefore being requested with no additional changes.

The Original Project was presented as follows:

- *This project evolved from statewide project CD01866, which was approved in 2022. Statewide project CD01866 is being broken up into 3 divisional projects: Eastern, Central, and Western; This project, CD02377, is the Eastern division portion of CD01866.*
- *Approximately 500 linear miles of Distribution ROW were inspected by drones in Connecticut. The damage found was recorded and prioritized. This project is being presented to secure funding to address 55 Priority 3 findings in 2025. The Priority 1 and Priority 2 poles were addressed in 2021 under project CD01678.*
- *The drone inspections produced 4,765 findings mostly associated with broken / rotted poles and crossarms. All these locations were reviewed by Eversource's engineers, and the prioritization was verified and/or corrected. Priority 3 ranking was given to 502 locations which included 178 in the Eastern region.*
- *The plan was to address the Eastern region priority 3 locations over three years – 79 were addressed under project CD01753 in 2022, 55 will be addressed under this project in 2025 and the remaining 44 will be addressed under a different project in 2026.*

Row Labels	2022	2025	2026	Grand Total
Central	97	143	30	270
Eastern	79	55	44	178
Western	18	2	34	54
Grand Total	194	200	108	502

- *Request approval to spend $280.4K in 2024 to replace 4 ROW poles (1 Tunnel, 3 Mystic) for the following reasons:*
- *Tunnel [redacted], estimate: $40K. [redacted]. Deemed urgent. [redacted]*
- *[redacted], estimate: $240.4K ($113.4K for matting). [redacted]*

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2024 Actual	2025 Estimate	Total
Internal Labor and Construction Equipment	16.3	79.9	96.2
Outside Services	58.8	287.6	346.4
Materials	43.0	210.3	253.3
Removals	16.6	83.0	99.7
Risk and Contingency	16.3	94.0	110.3
Other	0.0	0.1	0.1
Subtotal	**151.0**	**754.9**	**905.9**

Indirect Capital Costs	2024 Actual	2025 Estimate	Total
Indirects/Overheads (including benefits)	81.6	592.2	673.8
Capitalized interest or AFUDC, if any	1.6	0.0	1.6
Subtotal	**83.2**	**592.2**	**675.4**

Total Capital Costs (Gross)	**234.2**	**1,347.1**	**1,581.3**

Less Total Customer Contribution	**0.0**	**0.0**	**0.0**

Project Costs (Net of Reimbursement)	**234.2**	**1,347.1**	**1,581.3**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

Due to accessibility issues at times, ROW line faults usually take quite a while to be repaired. ROW faults at the very least usually place a lot of customers in 'single contingency' – if not causing a complete outage. Drone inspections are captured defects that often are not easily seen from the ground. The priority 3 defects pose a threat to the affected circuit's reliability.

b. Project Need

The priority 3 damages from the Drone Inspection need to be proactively addressed to prevent future outages on circuits. The damages will be addressed in 2022, 2025 and 2026. Project CD01753 addressed 79 locations in 2022. This project will address 55 locations in 2025 while a different project will address the remaining 44 locations in 2026. A special request was made to address 4 poles in 2024 that were scheduled to be addressed in 2025.

c. Project Scope

ROW inspection data collected by 2020 inspection yielded the scope of work for this project. WRs will be written to correct 55 Priority 3 defects in the Eastern region this year. The scope of this project will include detailed engineering designs to include accessing the ROW (defining entry points, creating roads, clear cutting brush, installing matting etc.), environmental mitigation, railroad permitting, landowner consent, tree trimming. If / when extensive is work is needed to access the pole, the work orders will include changing out any Priority 4/5 or newly identified damaged poles along the access route. All ROW poles will be replaced with a Class 1 or larger steel poles.

4. Alternatives Considered

Although doing nothing may be considered an option, due to the identified condition of the poles in the ROW action is required to repair and/or replace.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	March 2024
100% Detailed Engineering Completion	September 2024
Construction Start	April 2024
In Service Date	December 2025

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2025	Low	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	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2025	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
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?
A1. Partial Funding PAF Form	*YES*
A. Cost Estimate	*YES*
B. Map of 12S5 ROW pole	*YES*
C. Map of 13K3/13K8 ROW poles	*YES*

Attachment A1: Partial Funding PAF Form

Project Title: 2025 Eastern ROW Priority 3 poles	**Project Number:** CD02377
Date Prepared: 03/28/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** Lines - ROW
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** Yes
Project Manager: [redacted]	**Emergency Related Request?** Choose an item
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 12/31/2025	
Total Capital Request: $1,813.2K	**Authorization Type:** Partial Funding

1. Executive Summary

This project evolved from statewide project CD01866, which was approved in 2022. Statewide project CD01866 is being broken up into 3 divisional projects: Eastern, Central, and Western; This project, CD02377, is the Eastern division portion of CD01866.

Approximately 500 linear miles of Distribution ROW were inspected by drones in Connecticut. The damage found was recorded and prioritized. This project is being presented to secure funding to address 55 Priority 3 findings in 2025. The Priority 1 and Priority 2 poles were addressed in 2021 under project CD01678.

The drone inspections produced 4,765 findings mostly associated with broken / rotted poles and crossarms. All these locations were reviewed by Eversource's engineers, and the prioritization was verified and/or corrected. Priority 3 ranking was given to 502 locations which included 178 in the Eastern region.

The plan was to address the Eastern region priority 3 locations over three years – 79 were addressed under project CD01753 in 2022, 55 will be addressed under this project in 2025 and the remaining 44 will be addressed under a different project in 2026.

Row Labels	2022	2025	2026	Grand Total
Central	97	143	30	270
Eastern	79	55	44	178
Western	18	2	34	54
Grand Total	194	200	108	502

Request approval to spend $280.4K in 2024 to replace 4 ROW poles (1 Tunnel, 3 Mystic) for the following reasons:

[redacted]

[redacted] **No work done.**

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2024	2025	2026+	Total
Internal Labor and Construction Equipment	11.5	83.3	0.0	94.8
Outside Services	94.5	548.4	0.0	642.9
Materials	37.7	220.1	0.0	257.8
Removals	34.1	192.8	0.0	226.9
Other	0.8	8.0	0.0	8.8
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**178.6**	**1,052.5**	**0.0**	**1,231.1**

Indirect Capital Costs	2024	2025	2026+	Total
Indirects/Overheads (including benefits)	86.0	459.9	0.0	545.9
Capitalized interest or AFUDC, if any	4.3	31.8	0.0	36.1
Subtotal	**90.3**	**491.7**	**0.0**	**582.0**
Total Capital Costs (Gross)	**268.9**	**1,544.3**	**0.0**	**1,813.2**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net)	**268.9**	**1,544.3**	**0.0**	**1,813.2**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

Due to accessibility issues at times, ROW line faults usually take quite a while to be repaired. ROW faults at the very least usually place a lot of customers in 'single contingency' – if not causing a complete outage. Drone inspections are captured defects that often are not easily seen from the ground. The priority 3 defects pose a threat to the affected circuit's reliability.

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4. Alternatives Considered

Although doing nothing may be considered an option, due to the identified condition of the poles in the ROW action is required to repair and/or replace.

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	April 2024
100% Detailed Engineering Completion	September 2024

Milestone/Phase Name	Estimated Date
Fully Funded	September 2024
Construction Start	April 2025
In Service Date	December 2025

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
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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. Cost Estimate	*YES*
B. Map of [redacted] ROW pole	*YES*
C. Map of [redacted] ROW poles	*YES*

Attachment A: Cost Estimate

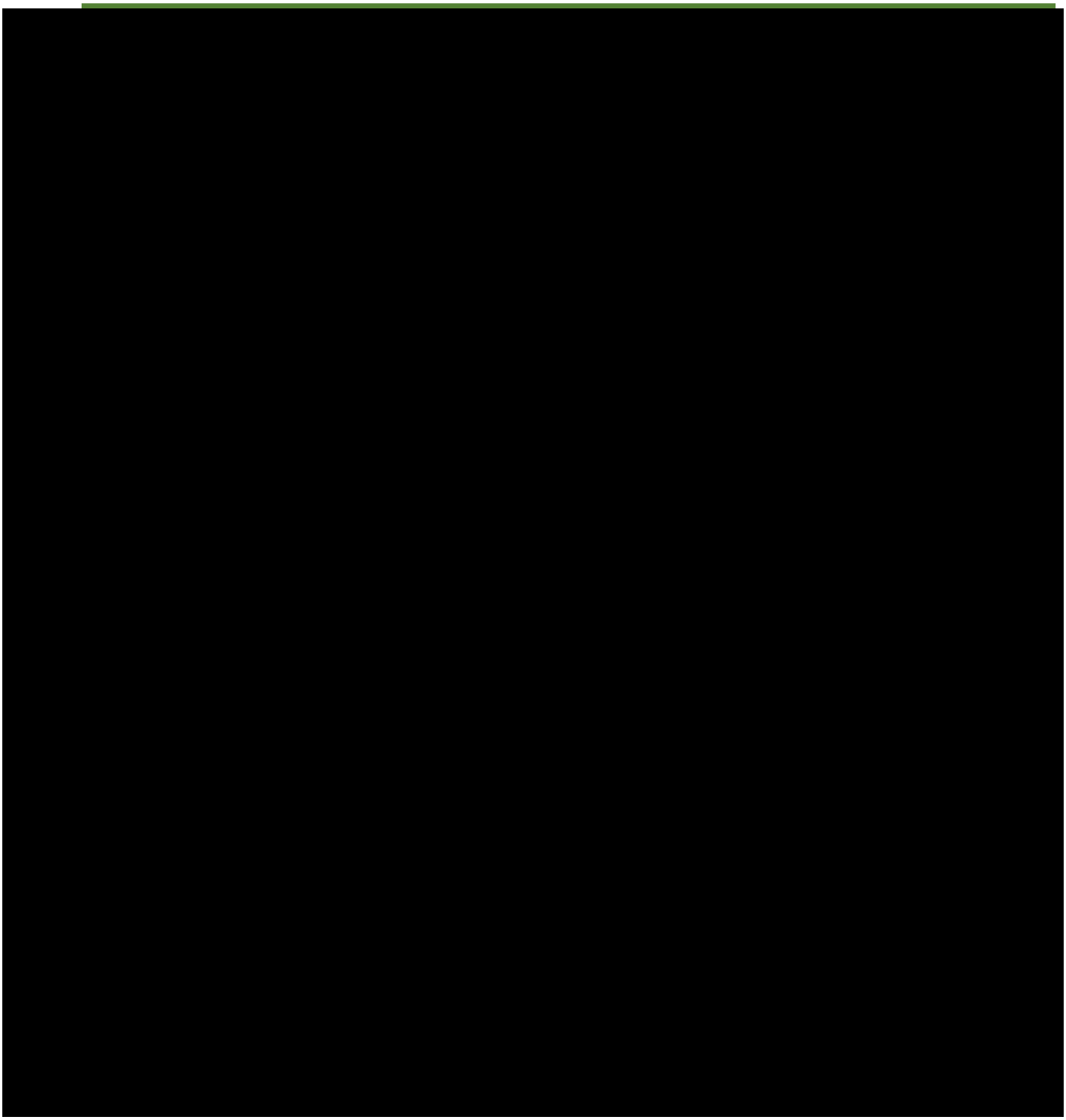
Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	28.00%
SubTotal:	$1,496,976
Contingency Amount:	$419,153
Estimate:	$1,916,129
Reimbursement:	$0
Net Amount:	**$1,916,129**
Description:	

Item Description	CU	[redacted]	Amount
OTHER	16-ALL14		$1,496,976.00
OTHER Estimated cost to address 55 Priority 3 poles			

Attachment B: **Tunnel [redacted] ROW, pole 2054. Estimate: $40K.**

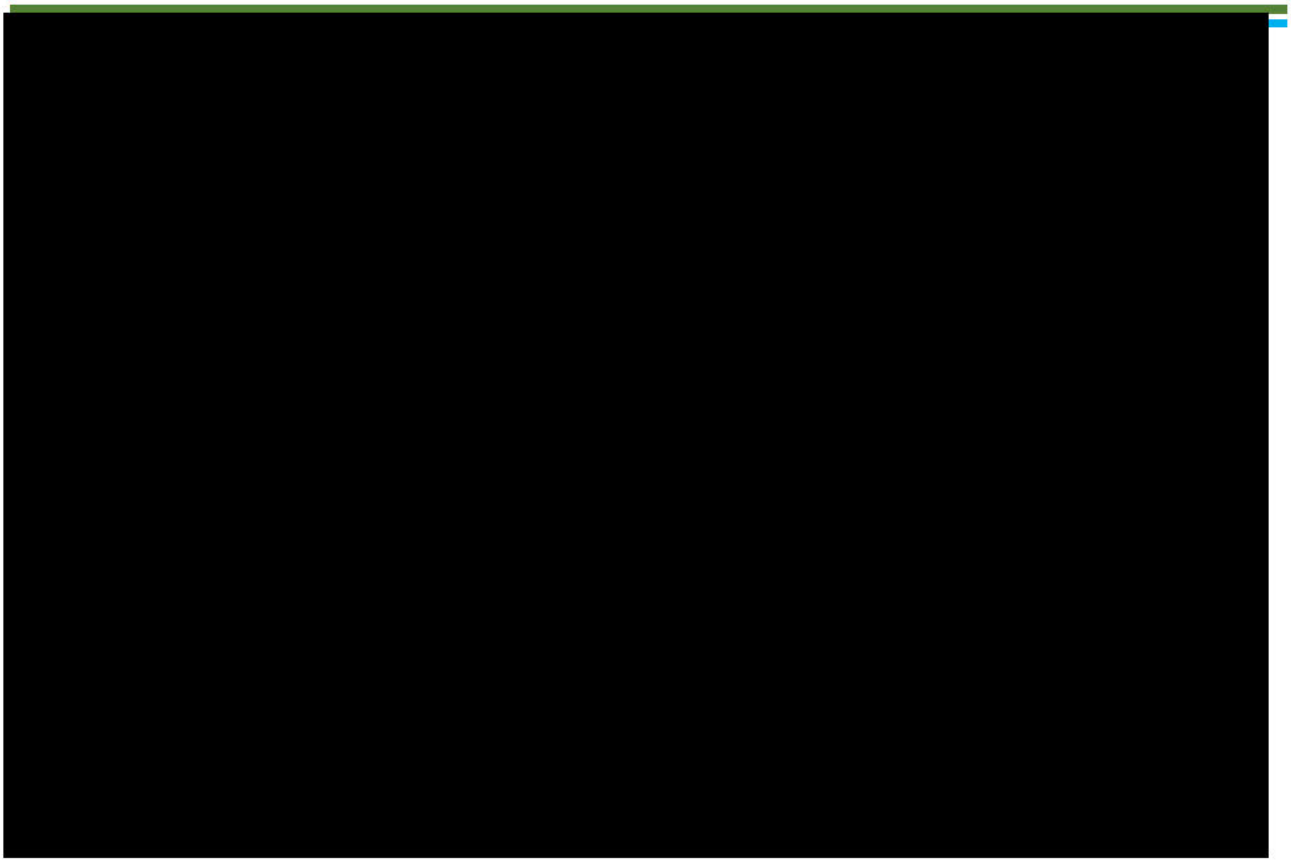






Attachment C: [redacted] **Matting Estimate: $113.4K. Total estimate: $240.4K.**

[redacted]




FIELD STONE
WALL


BROOK