EVERSOURCE

Project Approval Form

Project Title: Fuse Pole 267 Lateral Rehab	Project Number: CD01960
Date Prepared: 05/28/2024	**Company:** Eversource CT
Organization: Electric System Operations	**Project Category:** Distribution Line Reliability
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** Yes
Project Manager: [redacted]	**Emergency Related Request?** Yes
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 12/31/2022	
Total Capital Request: $474.2K	**Authorization Type:** Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of **$474.2K** which is 78.3% of the partial funding capital estimate of $605K. This project was partially approved on 10/20/2022. There is no scope change on the project.

The Original Project was presented as follows:

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

2. Project Cost Summary

Note: Dollar values are in thousands.

Direct Capital Costs	2022	2023	Year 3+	Total
Internal Labor and Construction Equipment	106.2	-2.3	0.0	104.0
Outside Services	52.4	2.6	0.0	54.9
Materials	31.3	13.1	0.0	44.3
Removals	57.0	10.9	0.0	67.9
Risk and Contingency	0.0	0.0	0.0	0.0
Other	9.5	-0.3	0.0	9.2
Subtotal	**256.3**	**23.9**	**0.0**	**280.2**

Indirect Capital Costs	2022	2023	Year 3+	Total
Indirects/Overheads (including benefits)	174.1	8.2	0.0	182.4
Capitalized interest or AFUDC, if any	3.3	8.2	0.0	11.6
Subtotal	**177.5**	**16.5**	**0.0**	**193.9**
Total Capital Costs (Gross)	**433.8**	**40.4**	**0.0**	**474.2**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net of Reimbursement)	**433.8**	**40.4**	**0.0**	**474.2**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

Outage History

[redacted]

b. Project Need

[redacted]

[redacted] With these changes and the recent tree trimming, it will help increase reliability and avoid future outages in this area.

c. Project Scope

The scope of this project is as follows:

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

Major Material:

10,302 ft	Single Phase 336 TW
10, 302 ft	Neutral Wire
54	Poles

4. Alternatives Considered

No alternatives considered.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	March 2022
100% Detailed Engineering Completion	June 2022
Construction Start	September 2022
In Service Date	December 2022

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.	2022	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	2022	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2022	High	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.	2022	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2022	Medium	If storm activity delays work, we may be forced to use external resources.

9. References

N/A

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

Attachment	Included in Submittal?
A. Partial Funding PAF Form	*YES*
B. Existing Plan Map	*YES*
C. Proposed Plan Map	*YES*
D. Project Needs Statement	*YES*

A. Partial Funding PAF Form

Operations Project Authorization Form

Project Title: Fuse Pole 267 Lateral Rehab	Project Number: CD01960
Date Prepared: 03/07/2022	**Company:** Eversource CT
Organization: EFO	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** Reliability
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** Yes
Estimated in service date: 12/31/2022	**Emergency Related Request?** Yes
Eng./Constr. Resources Budgeted? Yes	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☑ Distribution
Total Gross Capital Request: $605K	**Authorization Type:** Partial Funding

Executive Summary

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]. This increases the project cost to $605K or 28% increase.

Project Costs Summary

Capital Costs	2022	2023	2024+	Total
Internal Labor and Construction Equipment	$23	$0	$0	$23
Outside Services	$215	$0	$0	$215
Materials	$67	$0	$0	$67
Removals	$34	$0	$0	$34
Risk and Contingency	$29	$0	$0	$29
Other	$0	$0	$0	$0
Subtotal	**$369**	**$0**	**$0**	**$369**

Indirect Capital Costs	2022	2023	2024+	Total
Indirects/Overheads (including benefits)	$224	$0	$0	$224
Capitalized interest or AFUDC, if any	$12	$0	$0	$12
Subtotal	**$236**	**$0**	**$0**	**$236**
Total Capital Costs (Gross)	**$605**	**$0**	**$0**	**$605**

Technical Justification:

Project Need, Objective and Justification

[redacted]

[redacted]With these changes and the recent tree trimming, it will help increase reliability and avoid future outages in this area.

Project Scope

[redacted]

- [redacted]
- [redacted]
- Replace poles as required.
- Remove hazard trees.

Major Material:

10,302 ft	Single Phase 336 TW
10, 302 ft	Neutral Wire
54	Poles

Background

Outage History

[redacted]

[redacted]

[redacted]

Regulatory Approvals:

No

Project Schedule

Milestone/Phase Name	Estimated Date
100% Engineering Completion	June 2022
Construction Start	November 2022
Testing/Commissioning	N/A
In Service Date	December 2022

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2022	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	2022	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2022	High	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.	2022	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2022	Medium	If storm activity delays work, we may be forced to use external resources.

References

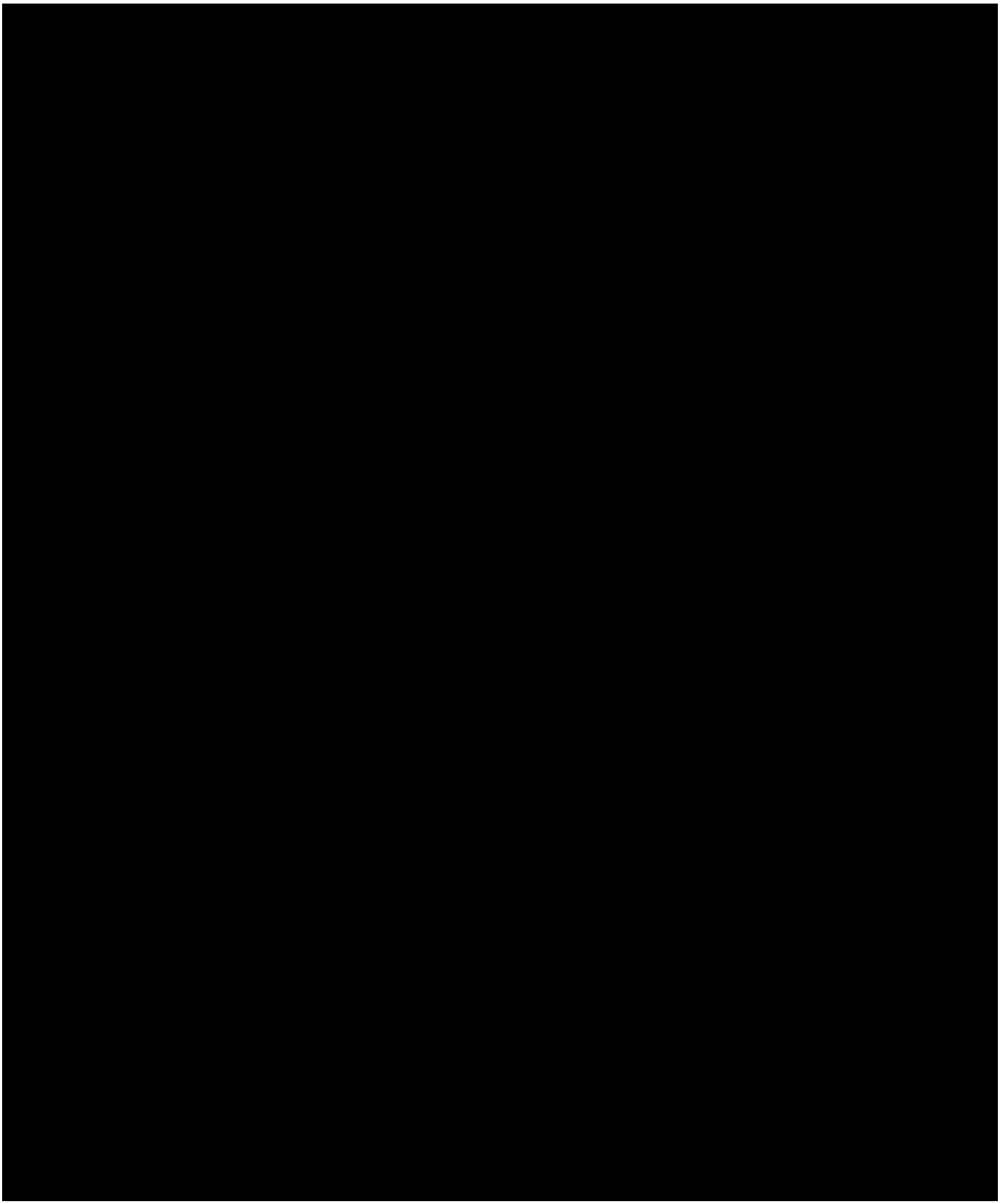
No

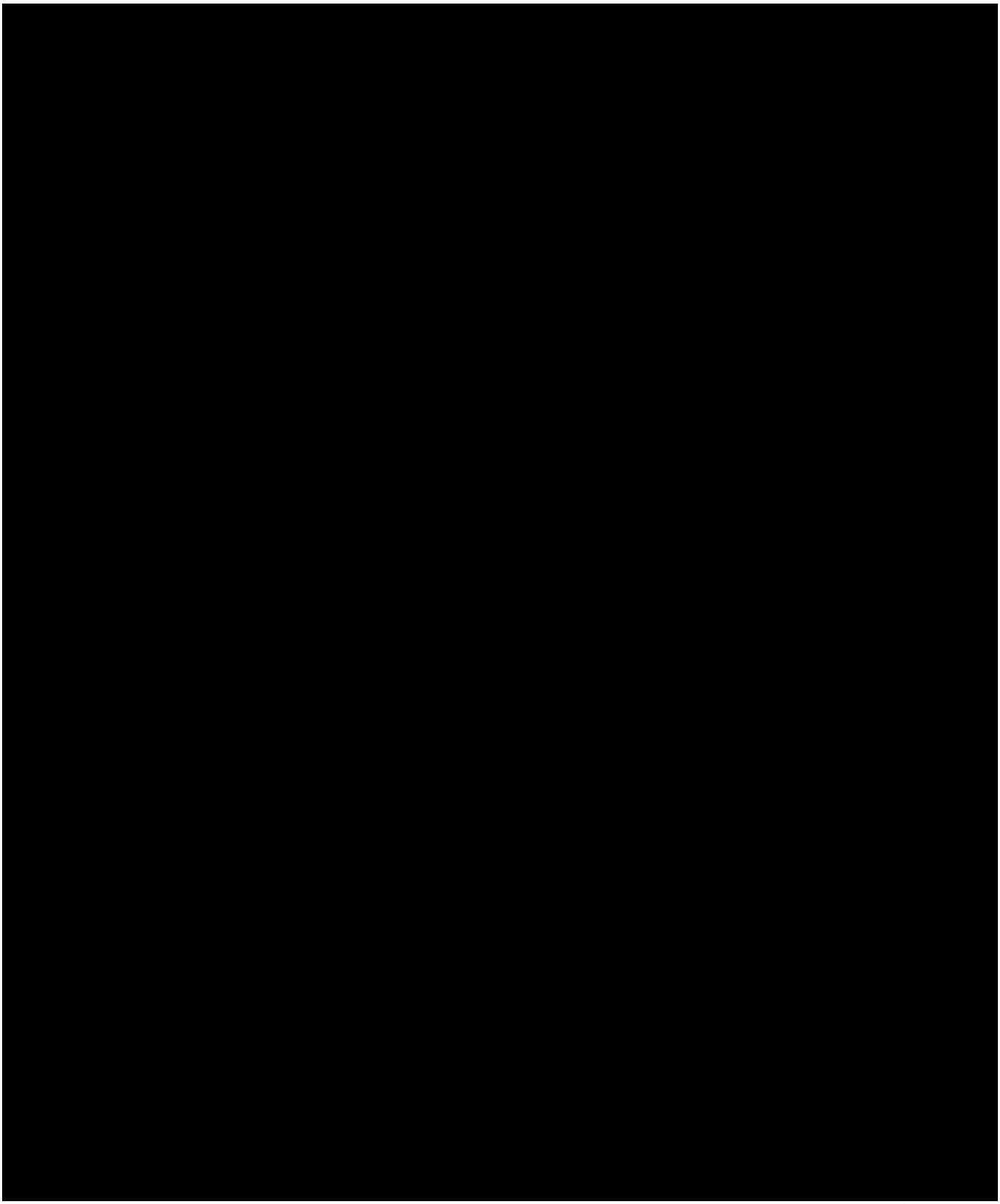
Appendices (One-Line Diagrams, Images, etc.)


Fuse Pole 267 Lateral Rehabilitatio


Fuse Pole 267 Lateral Rehabilitatio


CD01960_project_needs_statement.pdf





D. Project Needs Statement

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01960 [redacted]

Work Classification

Category: Line
Type: REL1
Type Desc: RELIABILITY IMPROVE SPEC PROJ
Work Type:

Ownership / Management

AWC: Tolland
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 ---

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01960 [redacted]

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	Recond from p.285 to p.326 on Silver St	$482,074			$0.00	$0.00

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01960

[redacted]

Background / Scope

Issue:

Project Description:

[redacted]

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:

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01960

[redacted]

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 #: CD01960 [redacted]

Design Alternative CD01960-01

General Information

Segment: 1 - Recond from p.285 to p.326 on Silver St Status: Draft

Segment Type: RECONDUCTORING - OTHER Town: COVENTRY Budget Year: 2022

Work Type: LT-Rehab+Recond Trimming Required: ☐ In Service Date: 12/31/2023

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01960 [redacted]

Design Alternative CD01960-01

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	20.00%
SubTotal:	$401,728
Contingency Amount:	$80,346
Estimate:	$482,074
Reimbursement:	$0
Net Amount:	**$482,074**
Description:	

Item Description	CU	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18	$30,000.00
OH WIRE OH-Reconductor w/175 Mil Tree Wire-1ph (any gauge)	16-OH25	$181,800.00
OH WIRE OH - Neutral	16-OH31	$48,480.00
OTHER OTHER 1.5 miles Lateral tree trimming estimated at $48K per mile	16-ALL14	$72,000.00
POLE OH - POLE - 1ph (CL&P custodian) Additional 50% pole replacement	16-OH13	$63,448.00
OTHER OTHER Shifting 12 transformers $500 per transformer	16-ALL14	$6,000.00

[redacted]

Associated / Impacted Devices

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

Asset & Investment Management System 3/8/2022 Page 6 of 7

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01960

[redacted]

Design Alternative CD01960-01

Reliability Projection

Title:

Outage Start Date: 3/4/2018 Outage End Date: 3/4/2022 Years History: 4.00

[redacted]