EVERSOURCE

Operations Project Authorization Form

Project Title: CDOT L034-001 – [redacted]	**Project Number: CD01633**
Date Prepared: 12/02/2022	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** Line Relocations/Act of Public Authority
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** No
Estimated in service date: 12/31/2022	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? No	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF ☒ Distribution
Total Gross Capital Request: $845.39k	**Authorization Type:** Full Funding

Executive Summary

Full funding authorization of $845.39K is being requested for this project. This represents an increase of $521.08k or 161% of the approved preliminary funding of $324.31k. The cause of the project cost overage was due to several factors as follows:

- Multiple transfers of project ownership and time may have been charged to the project before it ended up with the Western Project group.
- Material acquisition issues resulting in delay.
- Property theft – poles were stolen by a contractor resulting in delay and increase in material cost.
- Necessary design change advised by field personnel to [redacted]
- Existing design constrains, with [redacted] what were on a double circuit pole configuration. This resulted in limited protection causing work delays.
- Overtime was utilized to take outages to commercial customers after business hours.
- Needed to coordinate extensively with other departments and organizations
    - Frontier had both OH and UG work that needed to be done in conjunction with Eversource work.
    - Norwalk UG and Stone Construction needed to trench and run new primary conductor for D structure relocation.
    - Test department for Recloser commissioning and reprogramming.
    - [redacted].

The original project was presented as follows:

The State of CT has contacted Eversource concerning CDOT Project L034-001. This project affects Eversource facilities on [redacted]. *The CDOT scope for this project is to address congestion and improve traffic operations at key junction area between* [redacted] *by installing dedicated turn lanes and pedestrian safety improvements which will require Eversource to relocate OH facilities on the* [redacted]. *Since this project is state funded, conducted by the town of* [redacted], *it is a non-reimbursable job. Attached below is the guideline for reimbursements for Eversource facility relocations as*

determined by the legal departments. This project is considered to be under trigger project #6 in the attached table.



Utility relocation cost memo.pdf

Project Costs Summary

Note: Dollar values are in thousands

Capital Costs	Year 2022	Year 2023	Year 2024+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	$103.26			$103.26
Outside Services	$27.91			$27.91
Materials	$290.59			$290.59
Removals	$65.65			$65.65
Risk and Contingency	$0.00			$0.00
Other	$29.89			$29.89
Subtotal – Direct Costs	$517.30			$517.30
Indirect Capital Costs				
Indirect/Overheads (including benefits)	$305.61			$305.61
Capitalized interest or AFUDC, if any	$22.47			$22.47
Subtotal – Indirect Costs	$328.08			$328.08
Total Gross Capital Costs	**$845.39**			**$845.39**
Customer Contribution	$0.00			$0.00
Total Net Capital Project Costs	**$845.39**			**$845.39**

Technical Justification:

Project Need Statement:

The State of CT has contacted Eversource concerning CDOT Project L034-001. This project affects Eversource facilities on [redacted]. The CTDOT scope for this project is to address congestion and improve traffic operations at key junction area between [redacted] by installing dedicated turn lanes and pedestrian safety improvements which will require Eversource to relocate OH facilities on the [redacted]

Project Objectives

The objective of this project is to relocate Eversource OH facilities on [redacted] as requested by the State DOT to accommodate CDOT project L034-001.

Project Scope

In order to meet the above objectives, this project proposes the following:

[redacted]

Major Material:

1. 2,985 of 556 AAC 175 MIL Covered Wire
2. 1 – Cooper Nova/Form 6 recloser with sectionalizing settings
3. 2- Eversource Pole 40 FT CL 2
4. 13 – Eversource Pole 45 FT CL 2
5. 1 – Eversource Pole 50 FT CL 1
6. 2 – Eversource Pole 50 FT CL 2

Background / Justification
State DOT is requesting Eversource to relocate facilities in conflict with CDOT L034-001.

Business Process and / or Technical Improvements:
All permanent construction will be in accordance with the latest Eversource standards.

Alternatives Considered:

Were alternative solutions considered/applicable? Include any cost/benefit analysis.

Project is a compliance obligation - no alternatives considered - no financial benefit

Regulatory Approvals:

Are Regulatory body approvals needed for the project?
No

If yes, provide detailed regulatory approvals

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding Authorization	January 2021
Detailed Design	January 2021
Construction Begin	June 2021
Construction End	December 2021

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2021	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	2021	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2021	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.	2021	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2021	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2021	Low	Schedule work to minimize system abnormal time. Most of this work will require system to be abnormal for any extended period of time.

References

None

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

Sketch

[redacted]t Civil Plan.pdf

101338165 - Sketch_Danbury.pdf

[redacted]L034-001[redacted]_D

One-line

CD01633 One_line.pdf

Need Statement

CD01633_project_needs_statement.pdf

Overage:

RE_ CD01633 - CDOT L034-001[redacted]i