EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: 02/23/2023	**Project Title: [redacted] Improvement**
Company/ies: Eversource CT	**Project ID Number: CD01373**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line Relocation**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Line Relocation**
Estimated in-service date: 12/31/21	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? Yes	**Capital Investment Part of Original Operating Plan?**
Authorization Type: Final Funding	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $ 1,453,682 (Non-reimbursable)	

Executive Summary

The State of Connecticut Railroad has contacted Eversource concerning CDOT Project 302-0014. This project affects Eversource facilities on [redacted]. The CTDOT scope for this project is to install new curbs, drainage systems along the road, and Railroad is constructing a new parking lot which will require Eversource to [redacted]. Since this project is State-funded, conducted by the state of Connecticut's railroad, it is a non-reimbursable job. Attached below is the guideline for reimbursements for Eversource facility relocations as determined by the legal department. This project falls under trigger project #2 in the attached document below which states under Rail Facility projects that "utility company pays 100% when DOT orders to relocated utility equipment on or in a rail structure or road abutting a rail structure."

PDF
Utility relocation cost memo.pdf

There were no changes or scope changes on this project, however, due to complexities of the entire project, highly traveled roadway, state work on their construction, and the rebuilding of the [redacted], Eversource work had to be scheduled in coordination with other utilities and contractors. This resulted in multiple trips to accommodate.
There were at least six customers that needed multiple shutdowns which included overtime in many cases and resulted in higher expenditures than originally planned. Eversource underground department was also heavily involved in this project, and had to also make multiple trips out, including circuit cutover, transferring of risers, and pulling wire.

As shown in the attached Initial Funding vs Final Funding, the labor dollars for the actual were approximately $91K more than the original estimate. This can be attributed to the above explanation regarding the complexities of the project.
The remaining overages in the project can be attributed to the difference in the estimate for overheads which originally was $330K and resulted in an actual of $712K.

Financial Evaluation

Capital Costs	2021	2022	2023+	Total
Internal Labor and Construction Equipment	114.5	0.0	0.0	114.5
Outside Services	427.5	0.0	0.0	427.5
Materials	64.5	0.0	0.0	64.5
Removals	109.3	0.0	0.0	109.3
Risk and Contingency	0.0	0.0	0.0	0.0
Other	5.0	0.0	0.0	5.0
Subtotal	**720.8**	**0.0**	**0.0**	**720.8**

Indirect Capital Costs	2021	2022	2023+	Total
Indirects/Overheads (including benefits)	711.7	0.0	0.0	711.7
Capitalized interest or AFUDC, if any	21.2	0.0	0.0	21.2
Subtotal	**732.9**	**0.0**	**0.0**	**732.9**
Total Capital Costs (Gross)	**1,453.7**	**0.0**	**0.0**	**1,453.7**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net of Reimbursement)	**1,453.7**	**0.0**	**0.0**	**1,453.7**

Technical Justification:

Project Need Statement:

The State of Connecticut Railroad has contacted Eversource concerning CDOT Project 302-0014. This project affects Eversource facilities on [redacted]. The CTDOT scope for this project is to install new curbs, drainage systems along the road, and Railroad is constructing a new parking lot which will require Eversource to [redacted]

Project Objectives
The objective of this project is to [redacted] as requested by the State DOT.

Project Scope

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

- Overhead work required on [redacted]
  - [redacted]
  - [redacted]
  - [redacted]
- Civil work required on [redacted]:
  - [redacted]
  - [redacted]
- UG work required on [redacted]:
  - [redacted]

Major Material:

1. 5,616' of 556 AAC 175 MIL Covered Wire
2. 3,200' of 1/0 AL TPX
3. 1200' of 15kV 1000CU 3-1/C
4. 15 Eversource poles
5. 4,550' of 5" conduit
6. 3 concrete manholes (8 X 5 X 17 ft)

Background / Justification
State DOT is requesting Eversource to relocate facilities in conflict with CDOT Project 302-0014

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

Alternatives Considered with Cost Estimates

No Alternatives

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding Authorization	June 2020
Detailed Design	September 2020
Construction Begin	April 2021
Construction End	December 2021

Regulatory Approvals
None

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.)

CD01373 Map.pdf
WR_3269123 WO_101345947 - CD
WR_3260529 WO_101278357 - CD
CDOT302-0014 Civil.pdf
CD01373_project_needs_statement.pdf
Copy of ACT - CD01373 Actuals AC
OVERAGES [redacted].xlsx

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01373 [redacted]

Work Classification

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

Ownership / Management

AWC: Newtown
Statewide: No
Owner [redacted]
Manager [redacted]

Project Information

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

Budget Summary - Preferred Option [redacted]

2020

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
4	Relocation UG work	Draft	0	20%	$346,066	$346,066
2	Civil Work	Draft	0	20%	$364,928	$364,928
1	Relocation OH work	Draft	0	20%	$256,769	$256,769
				2020 Total:	**$967,763**	**$967,763**
				Total Project:	**$967,763**	**$967,763**