Operations Project Authorization Form

Date Prepared: 6/08/2020	**Project Title: [redacted] CDOT 135-328**
Company/ies: Eversource CT	**Project ID Number: CD01567**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager [redacted]	**Project Type: Line Relocation-Act of Public Authority**
Project Sponsor: [redacted]	**Project Purpose: Relocate Facilities**
Estimated in service date: 07/31/2021	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted?	**Capital Investment Part of Original Operating Plan?**
Authorization Type: Preliminary	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $225,703	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This project is designed to relocate existing electrical utilities necessary for the construction of [redacted] project #135-328, which is the replacement of the [redacted] The new bridge will be built further south of the existing bridge to eliminate a hazardous blind curve on either side of the river. The State DOT project is scheduled to begin April, 2021.

Prior to construction, [redacted] will need to be removed to allow for construction to begin. The[redacted] using these poles and will have to remain in service for the entirety of the project. New 45' poles will be installed on the opposite side of [redacted] along with new 556 TW and 1/0 wire. Once the 556 TW and 1/0 cable is installed on the new poles, the existing pole will be removed and construction of the bridge will begin.

This project is designated a town relocation project, and as such is non-reimbursable according to item #6 in the attached document below.

PDF
Utility relocation cost memo.pdf

Project Costs Summary

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$109,544	$0	$0	$109,544
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$14,843	$0	$0	$14,843
Total - Direct Spending	$0	$124,388	$0	$0	$124,388
Capital Additions - Indirect	$0	$79,119	$0	$0	$79,119
Subtotal Request	$0	$203,507	$0	$0	$203,507
AFUDC	$0	$4,603	$0	$0	$4,603
Total Capital Request	$0	$208,110	$0	$0	$208,110
O&M	$0	$17,593	$0	$0	$17,593
Total Request	$0	$225,703	$0	$0	$225,703

Financial Evaluation

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$10,550	$0	$0	$10,550
Overtime Labor	$1,668	$0	$0	$1,668
Outside Services	$86,148	$0	$0	$86,148
Materials	$25,101	$0	$0	$25,101
Other, including contingency amounts (describe)	$921	$0	$0	$921
Total Direct Costs	**$124,388**	**$0**	**$0**	**$124,388**

Indirect Capital Costs	2021	2022	2023+	Total
Indirects/Overheads (including benefits)	$79,119	$0	$0	$79,119
Capitalized interest or AFUDC, if any	$4,237	$0	$0	$4,237
Total Indirect Costs	**$83,356**	**$0**	**$0**	**$83,356**
Total Capital Costs	**$207,744**	**$0**	**$0**	**$207,744**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$207,744**	**$0**	**$0**	**$207,744**
Total O&M Project Costs	**$17,959**	**$0**	**$0**	**$17,959**
Total Project Cost	**$ 225,703**	**$ -**	**$ -**	**$ 225,703**

Technical Justification:

Project Need Statement

The CDOT has requested that [redacted] be relocated to enable the State of Connecticut to replace the bridge under CDOT project 135-328

Project Objectives

The primary objective of this project is to [redacted] to allow continuous service to customers while CDOT project 135-328 is underway

Project Scope

[redacted]

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

Background / Justification

The CDOT has created a project to eliminate a hazardous curve when approaching a small [redacted]. Upon approaching the bridge, traveling vehicles are not able to see the bridge or possible vehicle approaching from the other side. This creates a hazardous driving condition where a possible accident could occur. To combat this the CDOT plans to relocate the bridge further south to eliminate the blind curve when approaching. To complete this, the CDOT has requested that we [redacted] to allow then to begin construction.

Business Process and / or Technical Improvements:

The replacement of the existing 40' poles with new 45' poles will be removing any existing possibly damaged pole on this section of the circuit and will also allow more room on the pole for future circuit expansion. This project also calls for a significant amount of tree trimming which will decrease the possibility of tree damages during storms.

Alternatives Considered with Cost Estimates

Eversource is required to comply with Connecticut General Statutes when requested to relocate our facilities along the State roadway.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Approval	June 2020
Begin Relocation	December 2020
Relocation Completed	February 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	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	2021	High	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2021	Low	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.

References

HW_MSH_BR04071_0135_0328_STG01 (0

3423430 Design SK.pdf

3423430 STORMS Estimate.pdf

CD01567_project_needs_statement.pdf

135x328 ES Relocation Plan.pdf

DAR_BCD_Approval_0135-0328.pdf