Operations Project Authorization Form

Date Prepared: 4/15/2021	**Project Title: CDOT 161-141 – Relocate OH Facilities on Rt 7 &** [redacted]
Company/ies: Eversource CT	**Project ID Number: 1N721224P**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line Relocation**
Project Manager: [redacted]	**Project Type: Line**
Project Sponsor: [redacted]	**Project Purpose: Line Relocation**
Estimated in service date: 12/2021	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? Y	**Capital Investment Part of Original Operating Plan?**
Authorization Type: Final Funding	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $ 710,992	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This request is for the approval for CDOT Project 161-141: Relocate OH facilities on Route 7 and [redacted] for the year 2019 governed by the State DOT and the work order associated with it. This project is included in an initiative called Project Authorization Process Improvement started in 2020. This initiative was formed to address multiple items including clearing the backlog of APS-1 noncompliant projects. This project falls within that guideline.

This program funds CDOT Project 161-141: Relocate OH facilities on Route 7 and [redacted]. The State DOT established this project for Safety and Operational Improvements.

This project was to capture and document the charges of CDOT Project 161-141: Relocate OH facilities along Route 7 and [redacted] A workorder (1N721224) was created to capture labor and material for the replacement of the switchgear.

Project Costs Summary / Financial Evaluation

	Prior Authorized	2020	2021	2022+	Totals
Capital Additions - Direct	$0	$345,078	$0	$0	$345,078
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$46,758	$0	$0	$46,758
Total - Direct Spending	$0	$391,837	$0	$0	$391,837
Capital Additions - Indirect	$0	$249,234	$0	$0	$249,234
Subtotal Request	$0	$641,071	$0	$0	$641,071
AFUDC	$0	$14,501	$0	$0	$14,501
Total Capital Request	$0	$655,572	$0	$0	$655,572
O&M	$0	$55,420	$0	$0	$55,420
Total Request	$0	$710,992	$0	$0	$710,992

Financial Evaluation

Direct Capital Costs	2020	2021	2022+	Totals
Straight Time Labor	$33,233	$0	$0	$33,233
Overtime Labor	$5,255	$0	$0	$5,255
Outside Services	$271,376	$0	$0	$271,376
Materials	$79,073	$0	$0	$79,073
Other, including contingency amounts (describe)	$2,900	$0	$0	$2,900
Total Direct Costs	**$391,837**	**$0**	**$0**	**$391,837**

Indirect Capital Costs	2020	2021	2022+	Totals
Indirects/Overheads (including benefits)	$249,234	$0	$0	$249,234
Capitalized interest or AFUDC, if any	$13,347	$0	$0	$13,347
Total Indirect Costs	**$262,581**	**$0**	**$0**	**$262,581**
Total Capital Costs	**$654,418**	**$0**	**$0**	**$654,418**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$654,418**	**$0**	**$0**	**$654,418**
Total O&M Project Costs	**$56,574**	**$0**	**$0**	**$56,574**
Total Project Cost	**$ 710,992**	**$ -**	**$ -**	**$ 710,992**

Technical Justification:

Project Need Statement
The State of Connecticut has contacted Eversource concerning CDOT Project 161-141. This project affects Eversource facilities on Route 7 and [redacted]. The CDOT Scope of the project is to address the safety and operational issues on Route & and [redacted]. This will require Eversource to relocate OH facilities.

Project Objectives
The objective of this project is to relocate our OH facilities on Route 7 and [redacted] as requested by the State DOT.

Project Scope

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

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

Major Material
3,200’ of 336 AL 175 Mil Covered Wire
2300’ of 1/0 AL TPX-Neutral
320’ of 15KV #1 Al EPR Cable
23 Eversource Poles
1-13.8 KV 800A Recloser
2- Hex Hole
2-600A Disconnect Switches

Background / Justification
State DOT is requesting Eversource to relocate facilities in conflict with CDOT Project 161-141

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

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Project Initiation	01/01/2017
Project In-Service Date	2/18/2021

Regulatory Approvals

None needed

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2017	Medium	Create a PAF if the Work Order cost exceeds $100k
Internal construction resources not available to perform the work.	2017	Low	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	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.
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.

Attachments

CD01726- Rev 1 OH MAP RT 7- CDOT 16'

CD01726 - NTP & permit.pdf

CD01726 - CDOT 161-141- UWS - ES E