Operations Project Authorization Form

Project Title: OH RELIAB IMROVE [redacted]	**Project Number: DR4D21**
Date Prepared: 10/03/2023	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** RELIABILITY IMPROVE-DR ANNUAL
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** Yes
Estimated in service date: 12/31/2021	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? Yes	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF X Distribution
Total Gross Capital Request: $409K	**Authorization Type:** Full Funding

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This request is for the approval of $409K for the construction which is required to [redacted].

This work was identified to correct reliability problems. This work includes installing devices, reconductoring, extending lines, and other circuit upgrades on poles to increase reliability such as installing Ampacs and replacing armless construction.

Project Costs Summary / Financial Evaluation

WO NUMBER	WO DESCRIPTION	PROJECT DEPT CODE	PROJECT	PROJECT DESCRIPTION	WO IN SRV DATE	WO INIT DATE	Total Amount (K)
80055591	Reconductor [redacted] with 1/0 TW	2AX	DR4D	OH RELIAB IMPROVE [redacted]	7/29/2021	3/10/2021	$147
80089491	CD01703 Remove Failing Poles in abandoned ROW	2AX	DR4D	OH RELIAB IMPROVE [redacted]	6/25/2021	5/13/2021	$262
Total							$409

WO 80055591 consisted of [redacted].

WO 80089491 consisted of [redacted].

Technical Justification

Project Need Statement

It is necessary to perform this work to make [redacted]

Project Objectives

Install, or replace devices and assets to increase/correct reliability issues on specific circuits.

Project Scope

This work is done to [redacted] This work includes installing reclosers and sectionalizers, reconductoring (bare conductor to covered), converting an overhead (OH) line to underground (UG), line extensions to build loop scheme, installing arrestors, fusing transformers, installing ampac wedges, installing animal guards, replacing armless construction with crossarms and vise-tio insulators. These installations/replacements work to correct reliability problems on the distribution system.

Major Material

- Transformers
- Fuses
- Lightning Arestors
- Hot Line Clamps
- AMPAC wedges
- Crossarms
- Animal guards
- Reclosers
- Messenger Guards
- Sectionalizers
- Bent Pins
- Guy/Anchors
- Stirrups
- Splices
- Reinforcements
- Vise-top insulators
- Pole replacement
- Covered conductor
- Underground cable

Background / Justification

This project will address circuits and assets that need to be repaired, replaced, or removed for the betterement of the system.

Business Process and / or Technical Improvements
N/A

Project Schedule:

Milestone/Phase Name	Estimated Completion Date
PAF approval Final Design	2021
Construction	January, 2021 – December, 2021

Regulatory Approvals: N/A

Risks and Risk Mitigation Plans: N/A

References: None

Attachments (One-Line Diagrams, Images, etc.): N/A