Operations Project Authorization Form

Date Prepared: 06/06/2022	**Project Title:** REPAIR & REPL OF CL&P UG STRUCTURES
Company/ies: Eversource CT	**Project ID Number:** 10161018P
Organization: Distribution	**Class(es) of Plant:** Distribution
Project Initiator: [redacted]	**Project Category: DB Reliability**
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Project Purpose: Reliability**
Estimated in service date: 12/31/2018	**If Transmission Project: PTF?** N/A
Eng. /Constr. Resources Budgeted? Y	**Capital Investment Part of Original Operating Plan?** Y
Authorization Type: Final Design	**O&M Expenses Part of the Original Operating Plan?** N/A
Total Request: $421K	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This request is for the approval of $421K for structural repairs identified during annual underground inspections in 2018.

The main goal of this project is to rebuild or replace structures that are unsafe or no longer meet specific system needs. Structures to be replaced will be identified through regular inspection programs and subsequent evaluations by civil engineers. On an annual basis the Company prioritizes repairs for emergent issues.

Project Costs Summary / Financial Evaluation

Capital Costs	Year 1	Year 2	Year 3+	Total
Internal Labor and Construction Equipment	140.1	0.0	0.0	140.1
Outside Services	16.0	0.0	0.0	16.0
Materials	34.0	0.0	0.0	34.0
Removals	25.0	0.0	0.0	25.0
Risk and Contingency	10.0	0.0	0.0	10.0
Other	0.0	0.0	0.0	0.0
Subtotal	**225.1**	**0.0**	**0.0**	**225.1**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	194.6	0.0	0.0	194.6
Capitalized interest or AFUDC, if any	1.3	0.0	0.0	1.3
Subtotal	**195.9**	**0.0**	**0.0**	**195.9**
Total Capital Costs (Gross)	**421.0**	**0.0**	**0.0**	**421.0**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net)	**421.0**	**0.0**	**0.0**	**421.0**

WO Number	WO Description	Project	Project Description	WO in service Date	WO Initiation Date	Charges
1S521499	11 Manhole Roof Betterment CT	101610	REPAIR & REPL OF CL&P UG STRUCTURES	1/12/2018	6/26/2018	$261,951
3H722831	11 Manhole Roof Betterment CT	101610	REPAIR & REPL OF CL&P UG STRUCTURES	3/19/2018	5/18/2018	$158,967
Total Charges						$420,918

Technical Justification

Project Need Statement

Structural repairs are required to ensure the safety of workers and the public. Safety would be negatively impacted if structural failures were not addressed. This is done by rebuilding or replacing structures that are unsafe or no longer meet specific system needs. Typical structures include concrete manholes, service boxes, transformer vaults and duct structures. The most common mode of structural failure is in the roof and/or cover of underground structures. These components take the majority of mechanical stress from above-ground traffic. Other less common failure modes include age/obsolescence of materials and previous but undiscovered damage done by past excavation for road or utility work.

Project Objectives

Reduction in risk associated with public safety and liability, improved worker safety from elimination of job-site structural hazard, quicker response to restoration activities.

Project Scope

Repair, replace, or remove structural diffiencies as identified through annual inspections.

Major Material

- Vault roofs
- Vault grates
- Roof beams
- Concrete repairs
- Manhole covers
- Service boxes

Background / Justification

This project will address underground structures 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	2018
Construction	January, 2018 – December, 2018

Regulatory Approvals: N/A

Risks and Risk Mitigation Plans: N/A

References: None

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