Operations Project Authorization Form

Date Prepared: 09/28/2021	**Project Title:** 10161019
Company/ies: Eversource CT	**Project ID Number:** 101610
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: 12/31/2020	**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: $1,010K	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This request is for the approval of $1,010K for structural repairs identified during annual underground inspections.

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	336.0	0.0	0.0	336.0
Outside Services	38.4	0.0	0.0	38.4
Materials	81.6	0.0	0.0	81.6
Removals	60.0	0.0	0.0	60.0
Risk and Contingency	24.0	0.0	0.0	24.0
Other	0.0	0.0	0.0	0.0
Subtotal	**540.0**	**0.0**	**0.0**	**540.0**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	466.8	0.0	0.0	466.8
Capitalized interest or AFUDC, if any	3.2	0.0	0.0	3.2
Subtotal	**470.0**	**0.0**	**0.0**	**470.0**
Total Capital Costs (Gross)	**1,010.0**	**0.0**	**0.0**	**1,010.0**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net)	**1,010.0**	**0.0**	**0.0**	**1,010.0**

WO Number	WO Description	Project	Project Description	WO in service Date	WO Initiation Date	Charges
2L920814	11 Manhole Roof Betterment CT	101610	REPAIR & REPL OF CL&P UG STRUCTURES	9/25/2019	11/30/2019	$318,899
1S822003	11 Manhole Roof Betterment CT	101610	REPAIR & REPL OF CL&P UG STRUCTURES	10/17/2019	12/16/2019	$187,394
3H920905	11 Manhole Roof Betterment CT	101610	REPAIR & REPL OF CL&P UG STRUCTURES	4/21/2022	4/12/2019	$504,066
Total Charges						$1,010,359

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	2019

Milestone/Phase Name	Estimated Completion Date
Construction	January, 2019 – December, 2019

Regulatory Approvals: N/A

Risks and Risk Mitigation Plans: N/A

References: None

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