EVERSOURCE

Project Approval Form

Project Title: CDOT 42-317	**Project Number:** CD01523
Date Prepared: 09/30/2021	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** Line Relocations/Act of Public Authority
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** Yes
Project Manager: [redacted]	**Emergency Related Request?** No
Project Sponsor: [redacted]	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 05/31/2021	
Total Capital Request: $470K	**Authorization Type:** Full Funding

1. Executive Summary

This project is required to create safe working conditions and resolve State of Connecticut roadway design conflicts with Eversource electric facilities.

Once project CD01523 is completed, it will allow CDOT to preform bridge maintenance, upgrade traffic light installations and enhance roadway safety improvements.

This project is 100% reimbursable.

Eversource's responsibility for this relocation work is based on CDOT Project Trigger # 6 and State of Connecticut law C.G.S. § 13a-98f which states the utility pays 0% of relocation costs.

PDF

Utility relocation cost memo.pdf

2. Project Cost Summary

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$228	$0	$0	$228
Removals net of Salvage ____%	$0	$31	$0	$0	$31
Total - Direct Spending	$0	$259	$0	$0	$259
Capital Additions - Indirect	$0	$165	$0	$0	$165
Subtotal Request	$0	$424	$0	$0	$424
AFUDC	$0	$10	$0	$0	$10

Total Capital Request	$0	$433	$0	$0	$433
O&M	$0	$37	$0	$0	$37
Total Request	$0	$470	$0	$0	$470

Financial Evaluation
Note: Dollar values are in thousands

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$22	$0.0	$0.0	$22
Overtime Labor	$3	$0.0	$0.0	$3
Outside Services	$179	$0.0	$0.0	$179
Materials	$52	$0.0	$0.0	$52
Other, including contingency amounts (describe)	$2	$0.0	$0.0	$2
Total Direct Costs	**$259**	**$0.0**	**$0.0**	**$259**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$165	$0	$0	$165
Capitalized interest or AFUDC, if any	$9	$0	$0	$9
Total Indirect Costs	**$174**	**$0**	**$0**	**$174**
Total Capital Costs	**$433**	**$0**	**$0**	**$433**
Total Capital Project Costs	**$433**	**$0**	**$0**	**$433**
Total O&M Project Costs	**$37**	**$0**	**$0**	**$37**
Total Project Cost	**$470**	**$0**	**$0**	**$470**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

No historical background. / Completion of Eversource work crucial to CDOT

b. Project Need

Remove [redacted]

[redacted]

[redacted]

c. Project Scope

Segment # 1: [redacted]

[redacted]

[redacted]

Segment # 2: [redacted]

[redacted]

[redacted]

Existing Conductor Loads within Effected Circuit [redacted] Zones

[redacted]

Segment # 3: [redacted]

[redacted] request all electric plant removed, replaced or eliminated by early May 2021.

CD01523 Before &
After Illustrations.pc

4. Alternatives Considered

None

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Initial Funding Authorization	June 2020
Detail Design	June 2020

Milestone/Phase Name	Estimated Date
Full Funding Authorization	October 2020
Begin Construction	March 2021
Complete Construction	June 2021

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2021	Medium	Estimated project cost is based on actual work orders. Contingency dollars included within this funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Customer Permission / Siting Council / Municipal approvals	2021	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2021	Medium	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	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2021	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.

Storm delays	2021	Medium	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2021	Medium	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2021	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.
Wetlands / Environmentally sensitive area	2021	Low	Use of mats and specialty equipment, only work during certain times of the year.

9.

References
1. N/A

10. Attachments (One Line Diagrams, Images, etc.)

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Partial PAF	*YES*

A.



CDOT 42-317
Construction Estima

B.

Operations Project Authorization Form

Date Prepared: June 12, 2020	**Project Title:** CDOT 42-317
Company/ies: Eversource CT	**Project ID Number:** CD01523
Organization: Distribution Engineering	**Class(es) of Plant:** Distribution
Project Initiator: [redacted]	**Project Category:** Line
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Project Purpose:** OH Line Removals – East Hartford
Estimated in service date: 5/31/2021	**If Transmission Project:** N/A
Eng. / Constr. Resources Budgeted? No	**Capital Investment Part of Original Operating Plan?** No
Authorization Type: Preliminary Engineering Funding	**O&M Expenses Part of the Original Operating Plan?** No
Total Request: $30,025	

Financial Requirements:

Project Authorization
ERM: _____

FP&A: _____

Executive Summary:

This project is required to create safe working conditions and resolve State of Connecticut [redacted] roadway design conflicts with Eversource electric facilities within Town of East Hartford.

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

Once project CD01523 is completed, it will allow CDOT to preform bridge maintenance, upgrade traffic light installations and enhance roadway safety improvements.

Request $30,025 for preliminary engineering tasks associated with field inspections, excavation of test pits and feasibility of final designs.

Eversource reimbursement dollars for this relocation work is based on CDOT Project Trigger # 1 and State of Connecticut law C.G.S. § 13a-126.



Utility relocation cost memo.pdf

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2020	2021	2022+	Totals
Capital Additions - Direct	$0	$14,573	$0	$0	$14,573
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$1,975	$0	$0	$1,975
Total - Direct Spending	$0	$16,547	$0	$0	$16,547
Capital Additions - Indirect	$0	$10,525	$0	$0	$10,525
Subtotal Request	$0	$27,072	$0	$0	$27,072
AFUDC	$0	$612	$0	$0	$612
Total Capital Request	$0	$27,685	$0	$0	$27,685
O&M	$0	$2,340	$0	$0	$2,340
Total Request	$0	$30,025	$0	$0	$30,025

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$1,403	$0	$0	$1,403
Overtime Labor	$222	$0	$0	$222
Outside Services	$11,460	$0	$0	$11,460
Materials	$3,339	$0	$0	$3,339
Other, including contingency amounts (describe)	$122	$0	$0	$122
Total Direct Costs	**$16,547**	**$0**	**$0**	**$16,547**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$10,525	$0	$0	$10,525
Capitalized interest or AFUDC, if any	$564	$0	$0	$564
Total Indirect Costs	**$11,089**	**$0**	**$0**	**$11,089**
Total Capital Costs	**$27,636**	**$0**	**$0**	**$27,636**

Less Total Customer Contribution	$0	$0	$0	$0
Total Capital Project Costs	$27,636	$0	$0	$27,636
Total O&M Project Costs	$2,389	$0	$0	$2,389
Total Project Cost	$30,025	$ -	$ -	$30,025

Technical Justification:

Project Objective:

[redacted]

Project Scope:

Segment # 1: [redacted]

Segment # 2: [redacted]

Nomenclature	Location	Zone Limiting Factor	Amp Ratings Summer Normal	Device Amps Normal Load	Contingent Load	Normal + Contingent
[redacted]	[redacted]	# 2/0 Bare Copper	[redacted]			
		# 336 AAC @ 175 mi				

Segment # 3: [redacted]

CDOT request all electric plant removed, replaced or eliminated by early May 2021.

CD01523 Before & After Illustrations.pc

Major Material:

Manhole	1
Conduit	1000 feet
Poles	8
UG Primary Cable	310 feet
OH Primary Cable	400 feet

Background / Justification:
No historical background / Completion of Eversource work crucial to CDOT

Business Process and / or Technical Improvements:

[redacted]

Alternatives Considered with Cost Estimates:
None

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding Authorization	June 2020
Detail Design	June 2020
Full Funding Authorization	July 2020
Begin Construction	March 2021
Complete Construction	June 2021

Regulatory Approvals

None required

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
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References:
None