EVERSOURCE

Project Approval Form

Project Title: CDOT Project 158-215 – US Route 1	Project Number: CD01884
Date Prepared: 10/20/2023	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: 12/31/23	
Total Capital Request: $708.1K ($354.1K reimbursable)	Authorization Type: Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of $708.1K which is 139% of the approved partial funding of $510.7K. Additional cost on this job was due to extra costs for the show up site, additional cost due to rock drilling and the use of a vacuum truck due to the presence of transmission lines in the area.

The State of Connecticut contacted Eversource concerning CDOT Project 158-215. The project affected Eversource facilities on US Route 1 in Westport, CT. The CDOT scope of work consisted of roadway widening, roadway resurfacing, sidewalk installation, stormwater drainage upgrades, and traffic signal improvements for three signalized intersections in Westport, Connecticut. The three signalized intersections are the U.S. Route 1 intersection with The Fresh Market/The Village Center parking lots, the U.S. Route 1 intersection with Roseville Road/Hillspoint Road, and the U.S. Route 1 intersection with Bulkley Avenue (North & South), as well as additional improvements along U.S. Route 1. This required Eversource to relocate OH and UG facilities. Since US Route 1 is a State Road going through Westport, the work is 50% reimbursable. Attachment A shows the guideline for reimbursements for Eversource facility relocations as determined by the legal department. This project is considered to be under trigger project #1 in the attachment.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2023	2024	2025+	Total
Internal Labor and Construction Equipment	17.7	0.0	0.0	17.7
Outside Services	288.3	0.0	0.0	288.3
Materials	69.0	0.0	0.0	69.0
Removals	53.8	0.0	0.0	53.8
Risk and Contingency	13.9	0.0	0.0	13.9
Other	1.7	0.0	0.0	1.7
Subtotal	**444.3**	**0.0**	**0.0**	**444.3**

Indirect Capital Costs	2023	2.0	2025+	Total
Indirects/Overheads (including benefits)	256.6	0.0	0.0	256.6
Capitalized interest or AFUDC, if any	7.2	0.0	0.0	7.2
Subtotal	**263.9**	**0.0**	**0.0**	**263.9**
Total Capital Costs (Gross)	**708.1**	**0.0**	**0.0**	**708.1**
Less Total Customer Contribution	**-354.1**	**0.0**	**0.0**	**-354.1**
Project Costs (Net of Reimbursement)	**354.1**	**0.0**	**0.0**	**354.1**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

At the request of customers, towns, or the state Eversource is often requested to relocate their facilities due to pending projects. Depending on the nature of the request Eversource is usually reimbursed all or a portion of the cost for said relocation.

b. Project Need

The State of Connecticut has contacted Eversource concerning CDOT Project 158-215. This project affects Eversource facilities on US Route 1 in Westport, CT. The CDOT scope of work for this project consists of roadway widening, roadway resurfacing, sidewalk installation, stormwater drainage upgrades, and traffic signal improvements for three signalized intersections in Westport, Connecticut. This will require Eversource to relocate OH and UG facilities in the area.

c. Project Scope

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



4. Alternatives Considered

Since this project was requested by the state DOT, no alternatives were considered.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	April 2022

Milestone/Phase Name	Estimated Date
100% Detailed Engineering Completion	May 2022
Fully Funded	October 2023
Construction Start	October 2023
In Service Date	December 2023

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.	2023	Medium	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Customer Permission / Siting Council / Municipal approvals	2023	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2023	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.

Materials Shortage or long lead times	2023	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2023	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2023	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.

9. References

References
1. N/A

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

Attachment	Included in Submittal?
A. Updated Utility Cost Memo	*YES*
B. Cost Estimate	*YES*
C. Geographic Map	*YES*
D. Partial Funding PAF	*YES*

Attachment A: Updated Utility Cost Memo

Updated: 12/29/18: Eversource CT: Guidelines For Cost Reimbursement For Utility Relocations

#	Trigger Project	Utility Co.'s Share of Relocation Cost	Laws
1	State Roadway Projects	• Utility Co. pays 50% • Applies whenever utilities abutting or in a "state highway or any other public highway" must be relocated because of "the construction or reconstruction of a state highway". • DOT is obligated to design the project in a manner that minimizes costs to DOT and Eversource • If DOT and Eversource cannot agree on location of the relocated equipment, Commissioners of DOT & PURA resolve the dispute • If DOT and Eversource cannot agree on allocation of the costs for the relocation work, then either may file claim in court. • But C.G.S. § 13a-126a states Utility Co. pays 0% for any utility relocations requested by DOT for "aesthetic" reasons	• C.G.S. § 13a-126 • C.G.S. § 13a-126a
2	Rail Facility Projects	•Utility Co. pays 100% •Applies when DOT orders a Utility Co. to relocate utility equipment on or in a rail structure or road abutting a rail structure • *But Utility Co. entitled to 50% reimbursement for relocation of facilities abutting or on state highways or any other public highway when triggered by DOT's construction or reconstruction of a state highway*	C.G.S. § 13b-283(e)
3	Federal Surface Transportation Urban Program Roadway Projects	• Utility Co. pays 100% •Check if the relocation is triggered by a "federal surface transportation urban program roadway"[1] project • *But Utility Co. entitled to 50% reimbursement for relocation of facilities abutting or on state highways or any other public highway when triggered by DOT's construction or reconstruction of a state highway*	C.G.S. § 13a-98f
4	State Flood Control Projects	•Utility Co. pays 0% •Applies whenever the construction of any flood control project, including its reservoirs, for which the State has agreed to provide the necessary lands, easements and rights-of-way, requires the readjustment, relocation or removal of utility equipment	C.G.S. § 25-83a
5	Municipal Redevelopment Authority Projects	Utility Co. pays 50%	C.G.S. § 8-133a
6	All Other Municipal Projects	• Betterments:[2] Utility Co. pays 0% • "Proprietary" Projects:[3] Utility Co. pays 0% • Sewer or Pollution Abatement Projects:[4] Utility Co. pays 0% • All Other Municipal Projects that Require Utility Relocations: 1st Relocation: Utility Co. pays 100% 2nd Relocation during Course of Exact Same Project: Utility Co. pays 0%	See footnotes

[1] "Federal surface transportation urban program roadway or facility" means "any state or locally maintained roadway or facility that is deemed eligible for surface transportation urban program funding in accordance with the Transportation Equity Act for the 21st Century, all amendments to said act and all applicable federal regulations". C.G.S § 13a-98m.
[2] An example of a "betterment" would be if a municipality wanted existing above-ground utilities installed underground or relocated to a different location for aesthetic reasons, or to enhance recreational or community use of the area. PURA's Sep. 18, 2013 decision in Docket No. 13-03-11 states that a "municipality does not have the authority to order . . . betterments to the system and thus shift that cost to the utility, *unless the betterment is proven to be in the public interest of utility ratepayers.*"[2] Additionally, PURA's June 26, 1991 decision in Docket No. 86-02-14 concluded that – unless a municipality could demonstrate to PURA that a betterment provided "a direct benefit to . . . utilities or their ratepayers, or that a public necessity exits for" the betterment – then the municipality was solely responsible for the cost of the betterment.[2]
[3] PURA's Dec. 12, 1990 letter order in Docket No. 90-03-21 states that the term "proprietary" means that the utility relocation work is being performed for the benefit of a specific business, commercial development project or customer, and the work is not being performed for the overall safety and welfare of the general public. For example, road widenings for construction of a new or upgraded shopping plaza are "proprietary" and the associated utility relocation work must be paid for 100% by the developer and/or the municipality.
[4] Whenever a municipality obtains funding from the State to pay for any portion of the cost to construct or reconstruct sewers or pollution abatement facilities, C.G.S. § 22a-470 requires it to provide 100% reimbursement to a Utility Company to relocate its utility facilities, subject to a deduction for salvage value and depreciation.

Attachment B: – Partial Cost Estimate – Segment 1 – OH Work – Post RD E to Roseville Rd

Design Alternative CD01884-01

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$233,736
Contingency Amount:	$56,097
Estimate:	$289,833
Reimbursement:	$144,916
Net Amount:	**$144,916**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18	[redacted]		$50,000.00
POLE [redacted]	16-OH12			$3,560.00
POLE [redacted]	16-OH14			$23,380.00
POLE OH - Install/Replace Anchor and Guy	16-OH14B			$3,955.20
UG CABLE [redacted]	16-UG113A			$14,852.00
POLE [redacted]	16-UG146			$21,588.80
OH WIRE [redacted]	16-OH27			$116,400.00

Segment 2 - OH Work – Post Rd E to Buckley Rd

Design Alternative CD01884-02

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$178,514
Contingency Amount:	$42,843
Estimate:	$221,357
Reimbursement:	$110,678
Net Amount:	**$110,678**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18	[redacted]		$50,000.00
POLE [redacted]	16-OH14			$28,056.00
OH WIRE [redacted]	16-OH26b			$7,864.80
OH WIRE [redacted]	16-OH27			$85,360.00
UG CABLE DB - Aluminum Secondary in Conduit	16-UG116			$1,024.00
ENCLOSURE DB/UG - Transformer Pad/Handhole Secondary Handhole	16-UG143			$6,208.80

Segment 3 – Exploratory WO for spare conduit

Design Alternative CD01884-03

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$8,153
Contingency Amount:	$1,957
Estimate:	$10,110
Reimbursement:	$5,055
Net Amount:	**$5,055**
Description:	

Item Description	CU	$ / Per	Qty	Amount
OTHER	16-ALL14	[redacted]		$8,153.00
OTHER Based on STORMS Estimate				





Attachment D: Partial Funding PAF

Operations Project Authorization Form

Project Title: CDOT Project 158-215 US Route 1	**Project Number: CD01884 – DOT Project 158-215**
Date Prepared: 04/14/2022	**Company:** Eversource CT
Organization: Electric Field Operations	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** Line Relocations/Act of Public Authority
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** No
Estimated in service date: 12/31/2022	**Emergency Related Request?** Choose an item
Eng./Constr. Resources Budgeted? No	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF X Distribution
Total Gross Capital Request: $510,659	**Authorization Type:** Initial Funding

Executive Summary

The State of Connecticut has contacted Eversource concerning CDOT Project 158-215. This project affects Eversource facilities on US Route 1 in Westport, CT. The CDOT scope of work for this project consists of roadway widening, roadway resurfacing, sidewalk installation, stormwater drainage upgrades, and traffic signal improvements for [redacted] This will require Eversource to relocate OH and UG facilities. Since US Route 1 is a State Road going through Newtown, the work is 50% reimbursable. Attached below is the guideline for reimbursements for Eversource facility relocations as determined by the legal department. This project is considered to be under trigger project #1 in the attached table.

Utility Relocation Cost.pdf

Project Costs Summary

Note: Dollar values are in thousands

Capital Costs	Year 1	Year 2	Year 3+	Total
Internal Labor and Construction Equipment	$20,784	$0	$0	$20,784
Outside Services	$174,035	$0	$0	$174,035
Materials	$99,791	$0	$0	$99,791
Removals	$21,497	$0	$0	$21,497
Risk and Contingency	($258)	$0	$0	($258)
Other	$0	$0	$0	$0
Subtotal	**$315,848**	**$0**	**$0**	**$315,848**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$181,675	$0	$0	$181,675
Capitalized interest or AFUDC, if any	$13,136	$0	$0	$13,136
Subtotal	**$194,811**	**$0**	**$0**	**$194,811**
Total Capital Costs (Gross)	**$510,659**	**$0**	**$0**	**$510,659**
Less Total Customer Contribution	**($237,000)**	**$0**	**$0**	**($237,000)**
Project Costs (Net)	**$273,659**	**$0**	**$0**	**$273,659**

Technical Justification:

Project Need Statement:

The State of Connecticut has contacted Eversource concerning CDOT Project 158-215. This project affects Eversource facilities on US Route 1 in Westport, CT. The CDOT scope of work for this project consists of roadway widening, roadway resurfacing, sidewalk installation, stormwater drainage upgrades, and traffic signal improvements for [redacted]

Project Scope

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

[redacted]

Background

State DOT is requesting Eversource to relocate facilities in conflict with CDOT Project 158-215.

Alternatives Considered:

Were alternative solutions considered/applicable? Include any cost/benefit analysis.

Project is a compliance obligation - no alternatives considered - no financial benefit

Regulatory Approvals:

Are Regulatory body approvals needed for the project?

No

Project Schedule

Milestone/Phase Name	Estimated Date
100% Engineering Completion	May 2022
Construction Start	July 2022
Testing/Commissioning	N/A
In Service Date	12/31/2022

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2022	Medium	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Internal construction resources not available to perform the work.	2022	High	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.

System abnormal configuration	2022	Low	Schedule work to minimize system abnormal time. Most of this work will require system to be abnormal for any extended period of time.

References

None

Appendices (One-Line Diagrams, Images, etc.)

CD01884 - CDOT 158-215 US Route 1

CD01884 - CDOT 158-215 US Route 1

CDOT 158-215 - US ROUTE 1 TO ROSEV

CDOT 158-215 - SECT 2 at Bulkley Av

Need Statement:

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