EVERSOURCE

Project Approval Form

Project Title: [redacted] CDOT 79-245 Rt 91 Widening	Project Number: CD02402
Date Prepared: 05/13/2024	**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: 12/31/2024	
Total Capital Request: $676.4K (100% reimbursable)	**Authorization Type:** Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of **$676.4K** which is 274% of the partial funding capital estimate of $246.6K. Partial funding was approved on 3/28/2024. There is no scope change on the project. The variance between the full funding and partial funding estimate is due to an increase of the required labor and outside service costs in the partial funding estimate. The Maximo work order reflected a higher cost of labor, which was not used for the partial funding estimate and led to a greater disparity versus the actual expense amount. Additionally, outside services contributed to the increased cost for this project, with the civil bid coming in at $165K, and a required generator contributing approximately $20K.

The original project was presented as follows:

The CT DOT has requested a line relocation along Rt 91 in Meriden for a road widening project.
Scope: I-691 Eastbound to I-91 northbound interchange improvements.
[redacted]
This project has been brought forward because the detail design estimate, for the relocation exceeds $250K. This does not include any contingency. That cost is strictly the Maximo work order dollars and can potentially change due to conditions found in the field.

This project is 100% reimbursable.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2024	2025	Year 3+	Total
Internal Labor and Construction Equipment	64.7	0.0	0.0	64.7
Outside Services	204.9	0.0	0.0	204.9
Materials	27.1	0.0	0.0	27.1
Removals	28.3	0.0	0.0	28.3
Risk and Contingency	47.2	0.0	0.0	47.2
Other	0.0	0.0	0.0	0.0
Subtotal	**372.1**	**0.0**	**0.0**	**372.1**

Indirect Capital Costs	2024	2025	Year 3+	Total
Indirects/Overheads (including benefits)	304.3	0.0	0.0	304.3
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal	**304.3**	**0.0**	**0.0**	**304.3**
Total Capital Costs (Gross)	**676.4**	**0.0**	**0.0**	**676.4**
Less Total Customer Contribution	**(676.4)**	**0.0**	**0.0**	**(676.4)**
Project Costs (Net of Reimbursement)	**0**	**0.0**	**0.0**	**0**

Direct Costs: Partial Funding $139.8K vs Full Funding $372.1K or $232.3K increase

Internal Labor: Partial Funding $ 34.9K vs Full Funding $93K or $58.1K increase

Outside Services: Partial Funding - $71.3K vs Full Funding - $204.9K or $133.6K

- Civil bid came in at $165K for this job.

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

- [redacted]

b. Project Need

- Due to the DOT road widening on Rt 91, the facilities extending from exit 22 in Meriden to the 3-phase pad at the rest area in Middletown must be relocated.

c. Project Scope

[redacted]

Major Materials:

#1 AL 3-1/C 2,280 feet

4" conduit 5560 feet

4 splice boxes

4. Alternatives Considered

This a DOT relocation request, no alternatives were considered.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	March/2024
100% Detailed Engineering Completion	Completed
Construction Start	May/2024
In Service Date	December/2024

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2024	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	2024	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2024	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.	2024	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2024	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2024	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2024	Low	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	2024	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	2024	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1. N/A

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

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

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A – Partial Funding PAF:

Project Title: [redacted] CDOT 79-245 Rt 91 Widening	**Project Number:** CD02402
Date Prepared: 02/15/2024	**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: 12/31/2024	
Total Capital Request: $246.6k	**Authorization Type:** Partial Funding

1. Executive Summary

The CT DOT has requested a line relocation along Rt 91 in Meriden for a road widening project.
Scope: I-691 Eastbound to I-91 northbound interchange improvements.

[redacted]

This project has been brought forward because the detail design estimate, for the relocation exceeds $250K. This does not include any contingency. That cost is strictly the Maximo work order dollars, and can potentially change due to conditions found in the field.

This project is 100% reimbursable.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2024	2025	2026+	Total
Internal Labor and Construction Equipment	15.8	0.0	0.0	15.8
Outside Services	71.3	0.0	0.0	71.3
Materials	33.7	0.0	0.0	33.7
Removals	19.1	0.0	0.0	19.1
Other	0.0	0.0	0.0	0.0
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**139.8**	**0.0**	**0.0**	**139.8**

Indirect Capital Costs				
Indirects/Overheads (including benefits)	102.2	0.0	0.0	102.2
Capitalized interest or AFUDC, if any	4.7	0.0	0.0	4.7
Subtotal	**106.9**	**0.0**	**0.0**	**106.9**
Total Capital Costs (Gross)	**246.6**	**0.0**	**0.0**	**246.6**
Less Total Customer Contribution	**-246.6**	**0.0**	**0.0**	**-246.6**
Project Costs (Net)	**0.0**	**0.0**	**0.0**	**0.0**

Explain unique payment provisions, if applicable:

3. Technical Justification

a. Background

[redacted]

b. Project Need

Due to the DOT road widening on Rt 91, the facilities extending from exit 22 in Meriden to the 3-phase pad at the rest area in Middletown must be relocated.

c. Project Scope

[redacted]

Major Materials:

#1 AL 3-1/C 2,280 feet

4" conduit 5560 feet

4 splice boxes

4. Alternatives Considered

This a DOT relocation request, no alternatives were considered.

Project Option Comparison

[redacted]			
Capital Cost	$246.6k		
Expense Cost	$8.9k		
Total Cost	$255.5k		
Preferred option	X		

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	March/2024
100% Detailed Engineering Completion	Completed
Fully Funded	April/2024
Construction Start	May/2024
In Service Date	December/2024

6. Regulatory Decisions

7. Codes and Standards

8. Risk and Contingencies

Contingencies:

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2024	Medium	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
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Wetlands / Environmentally sensitive area	2024	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1.
2.
3.
4.
5.

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. P6 Schedule	*NO*
C. Geographic Map	*YES*
D. System and Station One-Lines	*NO*
E. Other	*N/A*
F.	

B - Cost estimate:

Work Classification

Category: Line

Type: RBPR

Type Desc: LINE RELOCATIONS/ACT OF PUBLIC

Work Type:

Ownership / Management

AWC: Cheshire

Statewide: No

Owner: [redacted]

Manager:

Project Information

Status: Draft

Associated Projects:

SPS #:

Assignment ID:

AIS Score:

Patrol Find ID:

Budget Summary - Preferred Option

CDOT 79-245 - Relocate UG along I-91 to rest stop.

2024 ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	Relocate UG along I-91 to rest stop	Draft	0	0%	$255,530	$0
				2024 Total:	$255,530	$0
				Total Project:	$255,530	$0

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Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	CDOT 79-245 - Relocate UG along I-91 to rest stop.	1	$0	$0		$0.00	$0.00	☑

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	Relocate UG along I-91 to rest stop	$0			$0.00	$0.00

Design Alternative

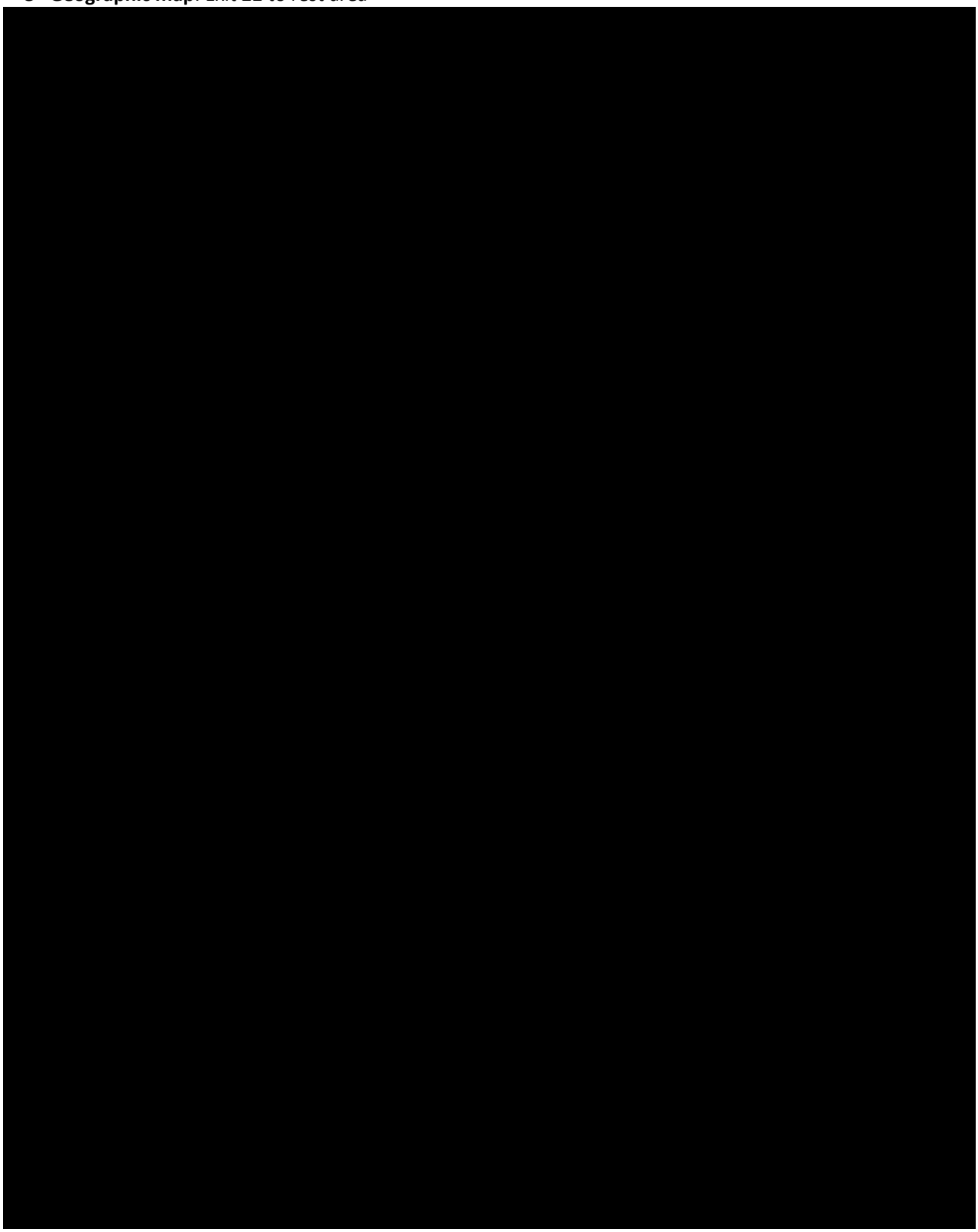
CD02402-01

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	0.00%
SubTotal:	$255,530
Contingency Amount:	$0
Estimate:	$255,530
Reimbursement:	$255,530
Net Amount:	$0
Description:	

Item Description	CU	$ / Per	Qty	Amount
ACT ACT Estimate for Contractor Crews Meriden	23-ALL12	[redacted]		$44,792.00
ACT ACT Estimate for Contractor Crews Middletown	23-ALL12			$210,738.00

C - Geographic map: Exit 22 to rest area



Exit 22 to rest area:

