EVERSOURCE

Supplement Authorization Form

Project Title: [redacted] **WPC Reliability Improvement**	**Project Number: CD02213**
Date Prepared: 05/13/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** TRMSN DISTR RELIABILTY PERFRM
Initiating Organization: Distribution	**Project Type:** Specific
Project DDE: [redacted]	**Capital Investment part of 5-year 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)
Current Authorized Amount: $593.9k	**Approved In-Service Date:** 12/31/2026
Supplement Request: $140.8k	**Estimated In-Service Date:** 4/29/26
Total Capital Request: $734.7k	**Authorization Type:** Supplement Request
	Reason: Cost Overage

1. Project Background

[redacted]

The supplemental request for this project is $140.8k and the full funding capital request for this project was $593.9k, bringing the total capital request to $734.7k or a 24% increase from the full funding request.

2. Supplement Justification Overview

This project incurred no scope change from full funding to supplemental. This project previously was descoped between the partial and full funding approval. The overages on this project are due to the large amount of engineering work associated with the original scope of the project and additional materials.

3. Supplement Justification Detail

The project was fully designed and engineered for the original, larger scope that was approved for partial funding. When presented for full funding, a large scope change was made based on the data presented by the BCA report. The project was descoped to only include the most cost-effective work, resulting in the designs being heavily modified. The previous and additional engineering charges incurred on the project were not entirely captured by the full funding request resulting in the overage. [redacted]

4. Supplement Cost Summary (Project Total)

Line-item Category	To Date Spend	Prior Authorized	Variance (Supplemental Request)	New Total Request (Add Prior Authorized and Variance)
Internal Labor and Construction Equipment	100.1	79.2	9.0	88.2
Outside Services	66.3	52.9	5.5	58.4
Materials	119.6	58.4	47.0	105.4
Removals	0.0	26.1	9.1	35.2
Risk and Contingency	0.0	41.4	-27.0	14.4
Other	9.8	0.0	8.6	8.6
SUBTOTAL DIRECTS W/ RISKS	**295.8**	**258.0**	**52.2**	**310.2**
Indirect / Overhead (including benefits)	417.4	332.3	85.1	417.4
AFUDC	7.2	3.6	3.6	7.2
Subtotal – Indirect Costs	**424.5**	**335.9**	**88.6**	**424.5**
TOTAL CAPITAL REQUEST	**720.3**	**593.9**	**140.8**	**734.7**
Reimbursables/Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
PROJECT TOTAL (LESS REIMBURSABLES)	**720.3**	**593.9**	**140.8**	**734.7**

New Total Request by Year (if applicable)

Note: If multi-year project, include actuals for current and years past, and then show forecasted spend for upcoming years.

Line-item Category	Year 2024	Year 2025	Year 2026 Actual	Total
Internal Labor and Construction Equipment	14.9	3.2	70.1	88.2
Outside Services	9.8	2.1	46.4	58.4
Materials	17.8	3.8	83.8	105.4
Removals	5.6	1.2	28.4	35.2
Risk and Contingency	0.0	0.0	14.4	14.4
Other	1.5	0.3	6.9	8.6
SUBTOTAL DIRECTS W/ RISKS	**49.6**	**10.6**	**250.0**	**310.2**
Indirect / Overhead (including benefits)	52.1	21.8	343.4	417.4
AFUDC	1.0	2.6	3.6	7.2
Subtotal – Indirect Costs	**53.1**	**24.4**	**347.0**	**424.5**
TOTAL CAPITAL REQUEST	**102.7**	**35.0**	**597.1**	**734.7**
Reimbursables/Customer Contribution	0.0	0.0	0.0	**0.0**
PROJECT TOTAL (LESS REIMBURSABLES)	**102.7**	**35.0**	**597.1**	**734.7**

5. Lessons Learned

When planning for large scale project multiple years in advance, the preferred option can sometimes be altered due to a multitude of factors including changing business direction, funding, and projected cost benefits.

6. Full Funding PAF

Project Title: [redacted] **WPC Reliability Improvement**	**Project Number: CD02213**
Date Prepared: 02/02/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** TRMSN DISTR RELIABILTY PERFRM
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: December 31, 2026	**NWS Excludable:** ☐ Yes ☒ No
Total Capital Request: $593.9k	**Authorization Type: Full Funding**

1. Executive Summary

Full funding is being requested for this project at a cost of $593.9k which is 70% of the partial funding estimate of $848.3k. The variance between the full funding and partial funding estimate is primarily due to the use of internal crews. The partial funding estimates included a 30% adder for contractor crews, with an additional 24% contingency based on the construction year, totaling about $173k. Without the contractor adder the full funding request is 88% of the partial funding amount.

[redacted]

To ensure only the most cost-effective solutions were utilized, a benefit cost analysis (BCA) was performed to identify recommended solutions versus the scope of the original work. As a result of the BCA, this project is being de-scoped to focus on only the most cost-effective work is completed. The BCA solutions were determined based on the number of outages experienced within the past four years. The BCA recommends [redacted]. This project proposes replacement of aging infrastructure, and reconductoring antiquated bare wire to increase reliability in the area.

- Division: Western
- District: Newtown AWC
- City/Town(s): [redacted]

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2024 Actual	Year 2025 Actual	Year 2026 Estimate	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	18.5	4.0	56.7	79.2
Outside Services	12.4	2.6	37.9	52.9
Materials	13.7	2.9	41.8	58.4
Removals	5.0	1.1	20.0	26.1
Risk and Contingency	0.0	0.0	41.4	41.4
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**49.6**	**10.6**	**197.9**	**258.0**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	52.1	21.8	258.4	332.3
Capitalized interest or AFUDC, if any	1.0	2.6	0.0	3.6
Subtotal – Indirect Costs	**53.1**	**24.4**	**258.4**	**335.9**
Total Gross Capital Costs	**102.7**	**35.0**	**456.3**	**593.9**
Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Total Net Capital Project Costs	**102.7**	**35.0**	**456.3**	**593.9**

The actual spending from 2024 and 2025 was included in the direct cost estimates. The actuals cover the cost of outside services used to detail designed the original scope of the project.

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

In 2023, Eversource created the top ten worst performing circuits (WPC) for each operating company based on the total number of customer minutes experienced on these circuits over the last four years. The devices with the most customer minutes for each circuit were identified as high impact zones. Cross functional teams were created with members from Engineering, Operations, System Planning, Vegetation Management and Standards to review the high impact zones. CD02213 focuses on infrastructure replacement to improve the reliability of the 12Y9 circuit.

[redacted]

The lateral backbone primary wires in this area have experienced 5 outages over the last 4 years.

[redacted]

Due to the severity of the outages in this area, additional ETT trimming was allocated from the cycled trimming. The cycled trimming work was completed in August 2024. There have not been any outages in the trimmed areas since.

To ensure only the most cost-effective solutions were utilized, a benefit cost analysis (BCA) was performed to identify recommended solutions versus the scope of the original work. As a result of the BCA, this project is being de-scoped to focus on only the most cost-effective work is completed.

b. Project Need



c. Project Scope



4. Alternatives Considered

Project Option Comparison

Design Criteria	Option				
	1 – Original Scope	2 – De-Scoped	3 – Targeted Reconductor	4 – Sectionalize	5 – NWS
Required to meet project need					
[redacted]	X	X	X	X	X
Additional Benefits (not required to meet scope of project)					
[redacted]	X	X			
	X	X			
	X	X			
			X		
	X				
	X	X			
	X		X		
Authorization Type	Partial	Partial	Full	Partial	Partial
Capital Cost	$4,460.3 k	$3,009.2 k	$593.9 k	$191.2 k	$6,758.3 k
Expense Cost	$253.2 k	$170.9 k	$32.0 k	$10.9 k	$388.7 k
Total Cost	$4,713.6 k	$3180.1 k	$625.9 k	$202.1 k	$7,142.0 k
Total Cost / CM Saved	$18.79 /CM	$14.53 /CM	$7.27/CM	$10.59 /CM	$102.67 /CM
Total Cost / CI Saved	$3,122 /CI	$2,084 /CI	$3,881 /CI	$4,018 /CI	$20,701 /CI
Preferred option			X		

Option Summary

Preferred:

Option 3: Targeted Reconductoring



Other(s):

Option 1: Original Scope



Option 2: De-Scoped



Option 4: Sectionalizing



Option 5: Non-Wire Solution (NWS)



5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	8/28/2025
100% Detailed Engineering Completion	1/1/2026
Fully Funded	2/5/2026
Construction Start	3/1/2026
In Service Date	12/31/2026

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.	2026	Low	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	2026	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2026	Low	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.	2026	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2026	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.

Storm delays	2026	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2026	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	2026	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	2026	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 PAF	*YES*
B.	
C.	
D.	
E.	
F.	

Attachment A: Partial Funding PAF

Project Title: 12Y9 WPC Reliability Improvement	**Project Number: CD02213**
Date Prepared: 08/06/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** TRMSN DISTR RELIABILTY PERFRM
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: December 31, 2026	**NWS Excludable:** ☐ Yes ☒ No
Total Capital Request: $848.3K	**Authorization Type:** Partial Funding

1. Executive Summary

[redacted]

To ensure only the most cost-effective solutions were utilized, a benefit cost analysis (BCA) was performed to identify recommended solutions versus the scope of the original work. As a result of the BCA, this project is being de-scoped to focus on only the most cost-effective work is completed. The BCA solutions were determined based on the number of outages experienced within the past four years. [redacted] This project proposes replacement of aging infrastructure, and reconductoring antiquated bare wire to increase reliability in the area.

- Division: Western
- District: Newtown AWC
- City/Town(s): [redacted]

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Year 2027	Year 2028+	Total
Internal Labor and Construction Equipment	44.4	0.0	0.0	44.4
Outside Services	300.8	0.0	0.0	300.8
Materials	120.6	0.0	0.0	120.6
Removals	106.1	0.0	0.0	106.1
Other	4.1	0.0	0.0	4.1
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**576.0**	**0.0**	**0.0**	**576.0**

Indirect Capital Costs				
Indirects/Overheads (including benefits)	255.4	0.0	0.0	255.4
Capitalized interest or AFUDC, if any	16.9	0.0	0.0	16.9
Subtotal	**272.3**	**0.0**	**0.0**	**272.3**

Total Capital Costs (Gross)	**848.3**	**0.0**	**0.0**	**848.3**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net)	**848.3**	**0.0**	**0.0**	**848.3**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

In 2023, Eversource created the top ten worst performing circuits (WPC) for each operating company based on the total number of customer minutes experienced on these circuits over the last four years. The devices with the most customer minutes for each circuit were identified as high impact zones. Cross functional teams were created with members from Engineering, Operations, System Planning, Vegetation Management and Standards to review the high impact zones. CD02213 focuses on infrastructure replacement to improve the reliability of the [redacted] circuit.

[redacted]

Due to the severity of the outages in this area, additional ETT trimming was allocated from the cycled trimming. The cycled trimming work was completed in August 2024. There have not been any outages in the trimmed areas since.

b. Project Need

[redacted]

c. Project Scope

[redacted]

4. Alternatives Considered

Project Option Comparison

Design Criteria	Option				
	1 – Original Scope	2 – De-Scoped	3 – Targeted Reconductor	4 – Sectionalize	5 – NWS
Required to meet project need					
[redacted]	X	X	X	X	X
Additional Benefits (not required to meet scope of project)					
[redacted]	X	X			
	X	X			
	X	X			
			X		
	X				
	X	X			
	X		X		
Authorization Type	Partial	Partial	Partial	Partial	Partial
Capital Cost	$6,371.0 k	$4,298.3 k	$848.3 k	$273.1 k	$6,758.3 k
Expense Cost	$361.7 k	$244.1 k	$48.2 k	$15.5 k	$388.7 k
Total Cost	$6,732.7 k	$4,542.4 k	$896.4 k	$288.6 k	$7,142.0 k
Total Cost / CM Saved	$26.84 /CM	$20.75 /CM	$10.38/CM	$15.12 /CM	$102.67 /CM
Total Cost / CI Saved	$4,459 /CI	$2,977 /CI	$5,543 /CI	$5,739 /CI	$20,701 /CI
Preferred option			X		

Option Summaries

Preferred:

Option 3: Targeted Reconductoring

[redacted]

Other Options:

Option 1: Original Scope

[redacted]

Option 2: De-Scoped

[redacted]

Option 4: Sectionalizing

[redacted]

Option 5: Non-Wire Solution (NWS)

[redacted]

*NWA estimate was calculated at $2M per MWh based on the two lowest of three contractor bids received in Connecticut.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	8/28/2025
100% Detailed Engineering Completion	2/1/2026
Fully Funded	4/1/2026
Construction Start	6/1/2026
In Service Date	12/31/2026

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.	2026	Low	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	2026	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2026	Low	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.	2026	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2026	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.

Storm delays	2026	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2026	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	2026	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	2026	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. Cost Estimate	*YES*
B. One-Line	*YES*
C. Geographic Map	*YES*
D. Load Sheet	*YES*
E. Original PAF	*YES*

Attachment A: Cost Estimate – Option Summary

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02213
Tri-State Reliability Performance - [redacted]

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	Original Scope	9,11,12,15	$6,732,741	$0	100%	$0.00	$0.00	☐
O2	De-Scoped	10,11,12,15	$4,542,411	$0	100%	$0.00	$0.00	☐
O3	Targeted Reconductoring	13,15	$896,420	$0	100%	$0.00	$0.00	☑
O4	Sectionalizing High Impact Zone	14,15	$288,610	$0	100%	$0.00	$0.00	☐

Attachment A: Cost Estimate – Segment 13 + 15

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02213
Tri-State Reliability Performance [redacted]

Design Alternative CD02213-13

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$608,403
Contingency Amount:	$146,017
Estimate:	$754,420
Reimbursement:	$0
Net Amount:	**$754,420**
Description:	

Item Description	CU	$ / Per	Qty	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	23-ALL17	[redacted]		$4,562.48
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18			$10,000.00
OH WIRE OH - Neutral	23-OH31			$33,280.00
OH WIRE OH - Remove circuit wire (3 phase) #2 CU	23-OH37A			$16,640.00
OTHER OTHER 30% contractor adder	23-ALL14			$140,401.00
OH WIRE [redacted]	23-OH27			$403,520.00

Design Alternative CD02213-15

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	0.00%
SubTotal:	$142,000
Contingency Amount:	$0
Estimate:	$142,000
Reimbursement:	$0
Net Amount:	**$142,000**
Description:	

Item Description	CU	$ / Per	Qty	Amount
OTHER OTHER	23-ALL14	[redacted]		$142,000.00

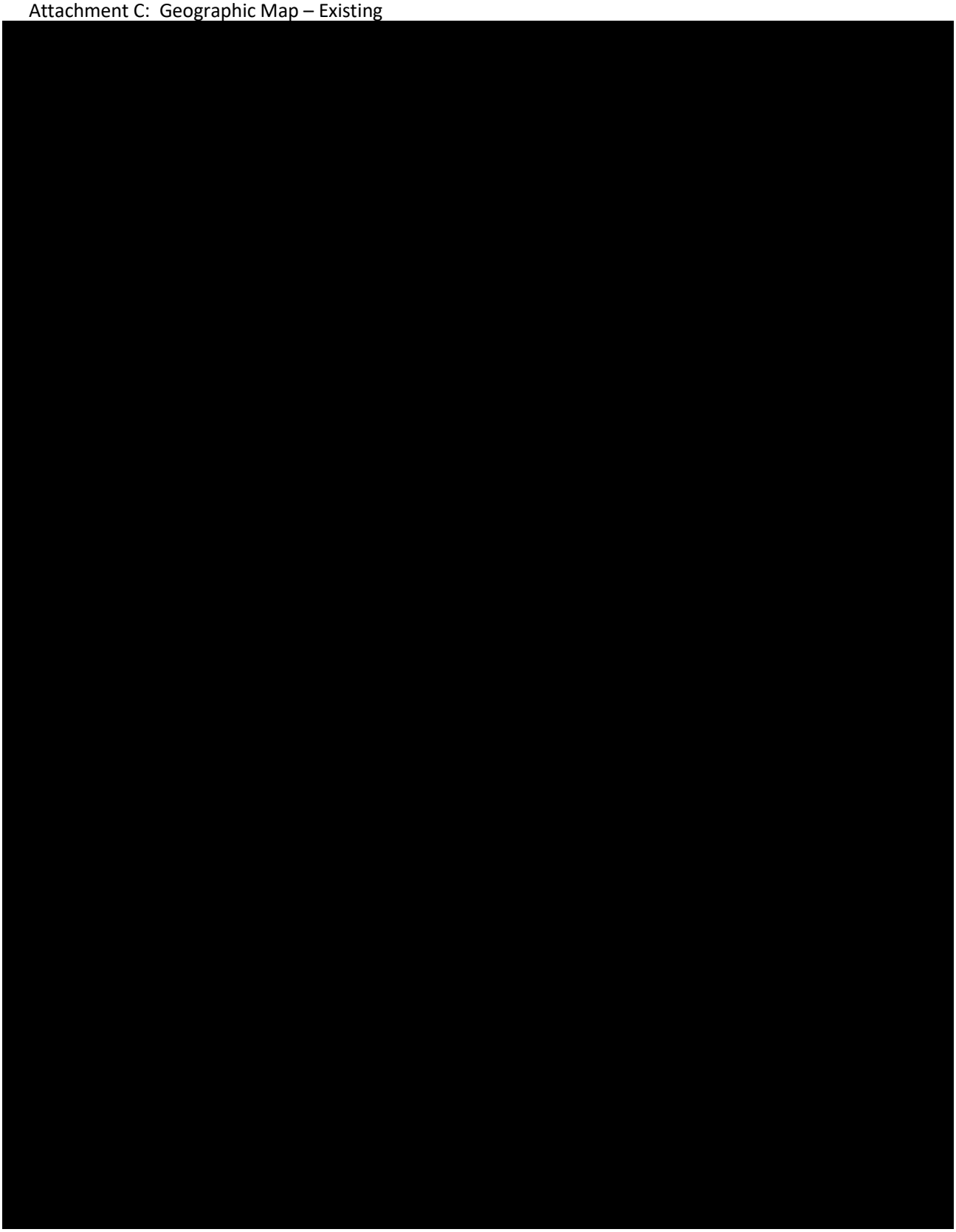
Attachment B: One-Line – Existing



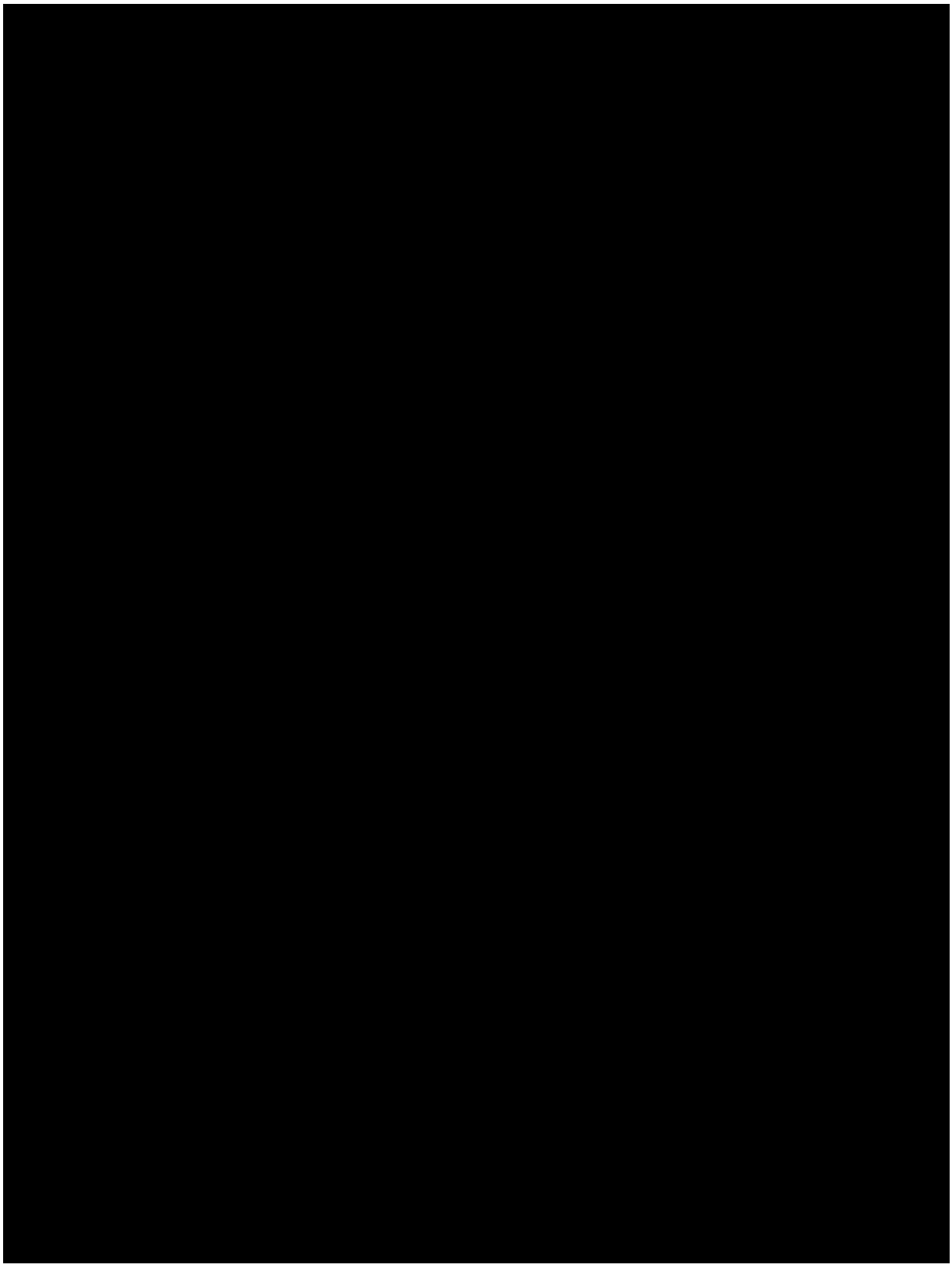
Attachment B: One-Line – Preferred Option



Attachment C: Geographic Map – Existing



Attachment C: Geographic Map – Preferred Option



Attachment D: Load Sheet – Existing



Attachment D: Load Sheet – Preferred Option



Project Title: 12Y9 WPC Reliability Improvement	**Project Number: CD02213**
Date Prepared: 09/28/2023	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** RELIABILITY IMPROVE SPEC PROJ
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: 12.31.2025	
Total Capital Request: $5,014K	**Authorization Type: Partial Funding**

1. Executive Summary

Eversource identified the top ten worst performing circuits (WPC) for each operating company based on the total number of customer minutes experienced on these circuits over the last four years. The devices with the most customer minutes for each circuit were identified as high impact zones. Cross functional teams were created with members from Engineering, Operations, System Planning, Vegetation Management and Standards to review the aging infrastructure within each high impact zone where outages have occurred. Project CD02213 focuses on infrastructure replacement to improve the reliability of the [redacted] circuit.

[redacted]

CD02213 addresses four high impact zones on the 12Y9 where Eversource has experienced outages within the past four years. These proposals include aging infrastructure replacement, upgrading conductor sizes to increase reliability and ampacity as well as extensive vegetation trimming.

Of the 4 high impact zones on this circuit, one zone was already addressed under approved project CD01949 in 2022, so this project is only calling for additional tree trimming and hazard tree removal for that zone. The work done on the completed project were deemed as the best solutions by the cross functional team that performed the review.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2025	2026	2027+	Total
Internal Labor and Construction Equipment	$189	$0	$0	$189
Outside Services	$1,785	$0	$0	$1,785
Materials	$553	$0	$0	$553
Removals	$286	$0	$0	$286
Risk and Contingency	$244	$0	$0	$244
Other	$0	$0	$0	$0
Subtotal	**$3,057**	**$0**	**$0**	**$3,057**

Indirect Capital Costs	2025	2026	2027+	Total
Indirects/Overheads (including benefits)	$1,856	$0	$0	$1,856
Capitalized interest or AFUDC, if any	$101	$0	$0	$101
Subtotal	**$1,957**	**$0**	**$0**	**$1,957**
Total Capital Costs (Gross)	**$5,014**	**$0**	**$0**	**$5,014**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Project Costs (Net)	**$5,014**	**$0**	**$0**	**$5,014**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

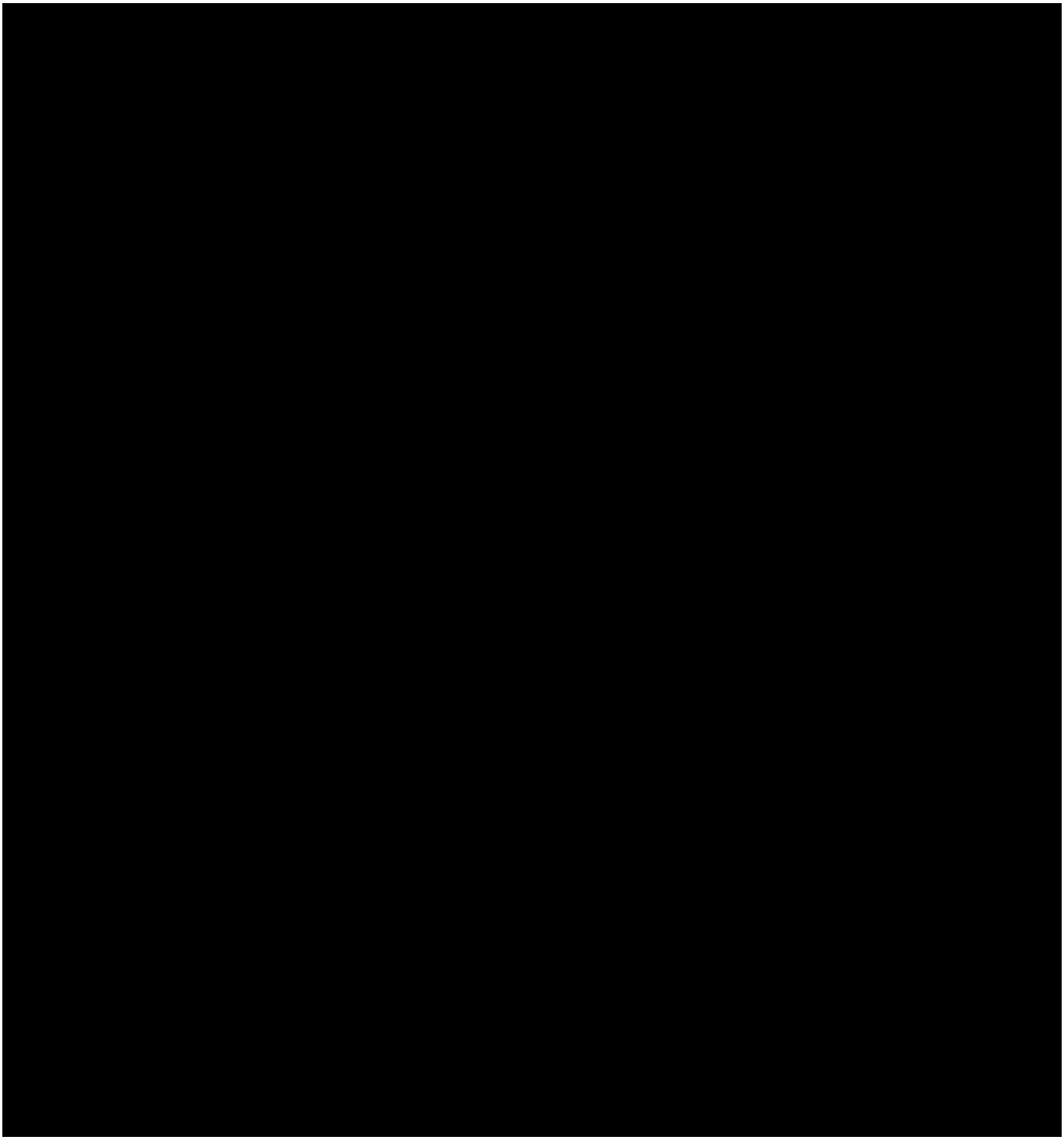
a. Background

Eversource created the top ten worst performing circuits (WPC) for each operating company based on the total number of customer minutes experienced on these circuits over the last four years. The devices with the most customer minutes for each circuit were identified as high impact zones. Cross functional teams were created with members from Engineering, Operations, System Planning, Vegetation Management and Standards to review the high impact zones. CD02213 focuses on infrastructure replacement to improve the reliability of the [redacted] circuit.

b. Project Need

[redacted]

c. Project Scope



[redacted]

4. Alternatives Considered

[redacted]

Design Criteria	Option		
	1 – Aerial Cable	2 – Create 11M3 Tie	3 – Reconductor
Normal loads < 90% of OH rating	X	X	X
Contingent loads < 100% of rating	X	X	X
All zones < 500 customers	X	X	
Additional ties created		1	
Aerial Cable Bypass	X		
Reclosers added	3	7	2
Authorization Type	Partial	Partial	Partial
Capital Cost	$4,257k	$5,014k	$2,070k
Expense Cost	$93k	$109k	$45k
Total Cost	$4,349k	$5,123k	$2,116k

Total Cost / CM Saved	$37.49/CM	$27.16/CM	$19.35/CM
Total Cost / CI Saved	$123.48/CI	$145.43/CI	$60.06/CI
Preferred option		X	

5. Project Schedule

Add any additional milestones that are pertinent to the project.

Milestone/Phase Name	Estimated Date
Partial Approval	April 2023
100% Detailed Engineering Completion	October 2024
Fully Funded	January 2025
Construction Start	March 2025
In Service Date	December 2025

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.	2025	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	2025	Medium	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2025	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	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2025	High	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2025	Medium	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2025	Medium	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. Cost Estimate	*YES*
B. One-Lines	*YES*
C. Geographic Map	*YES*

Attachment A: Cost Estimate

Segment 1 – Reconductor from [redacted]

Design Alternative CD02213-01

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$1,235,978
Contingency Amount:	$346,074
Estimate:	$1,582,051
Reimbursement:	$0
Net Amount:	**$1,582,051**
Description:	

Item Description	CU	$ / Per	Qty	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	16-ALL17	[redacted]		$7,019.20
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18			$46,000.00
OH WIRE [redacted]	16-OH37A			$36,800.00
EQUIPMENT [redacted]	16-OH48			$61,800.00
OH WIRE [redacted]	16-OH27			$892,400.00
SECTIONALIZE [redacted]	16-OH38			$191,958.40

Segment 2 – Reconductor from [redacted]

Design Alternative CD02213-02

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$1,564,678
Contingency Amount:	$438,110
Estimate:	$2,002,788
Reimbursement:	$0
Net Amount:	**$2,002,788**
Description:	

Item Description	CU	$ / Per	Qty	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	16-ALL17	[redacted]		$7,019.20
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18			$46,000.00
OH WIRE [redacted]	16-OH34			,380,000.00
OH WIRE [redacted]	16-OH37			$25,680.00
SECTIONALIZE [redacted]	16-OH38			$95,979.20
XF [redacted]	16-OH50			$10,000.00

Supplement Authorization Form

Segment 3 – Reconductor [redacted]

Design Alternative CD02213-03

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$451,334
Contingency Amount:	$126,374
Estimate:	$577,708
Reimbursement:	$0
Net Amount:	**$577,708**
Description:	

Item Description	CU	$ / Per	Qty	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	16-ALL17	[redacted]		$7,019.20
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18			$12,000.00
OH WIRE [redacted]	16-OH34			$372,000.00
OH WIRE [redacted]	16-OH37			$7,440.00
SECTIONALIZE [redacted]	16-OH38			$47,989.60
SECTIONALIZE [redacted]	16-OH39A			$4,885.60

Segment 4 – [redacted]

Design Alternative CD02213-04

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$50,000
Contingency Amount:	$14,000
Estimate:	$64,000
Reimbursement:	$0
Net Amount:	**$64,000**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TREE OH - Tree Trimming	16-OH61	[redacted]		$50,000.00

Segment 5 – [redacted]

Design Alternative CD02213-05

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$50,000
Contingency Amount:	$14,000
Estimate:	$64,000
Reimbursement:	$0
Net Amount:	**$64,000**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TREE OH - Tree Trimming	16-OH61	[redacted]		$50,000.00

Segment 6 – [redacted]

Design Alternative CD02213-06

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$130,000
Contingency Amount:	$36,400
Estimate:	$166,400
Reimbursement:	$0
Net Amount:	**$166,400**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TREE OH - Tree Trimming	16-OH61	[redacted]		$130,000.00

Segment 7 – [redacted]

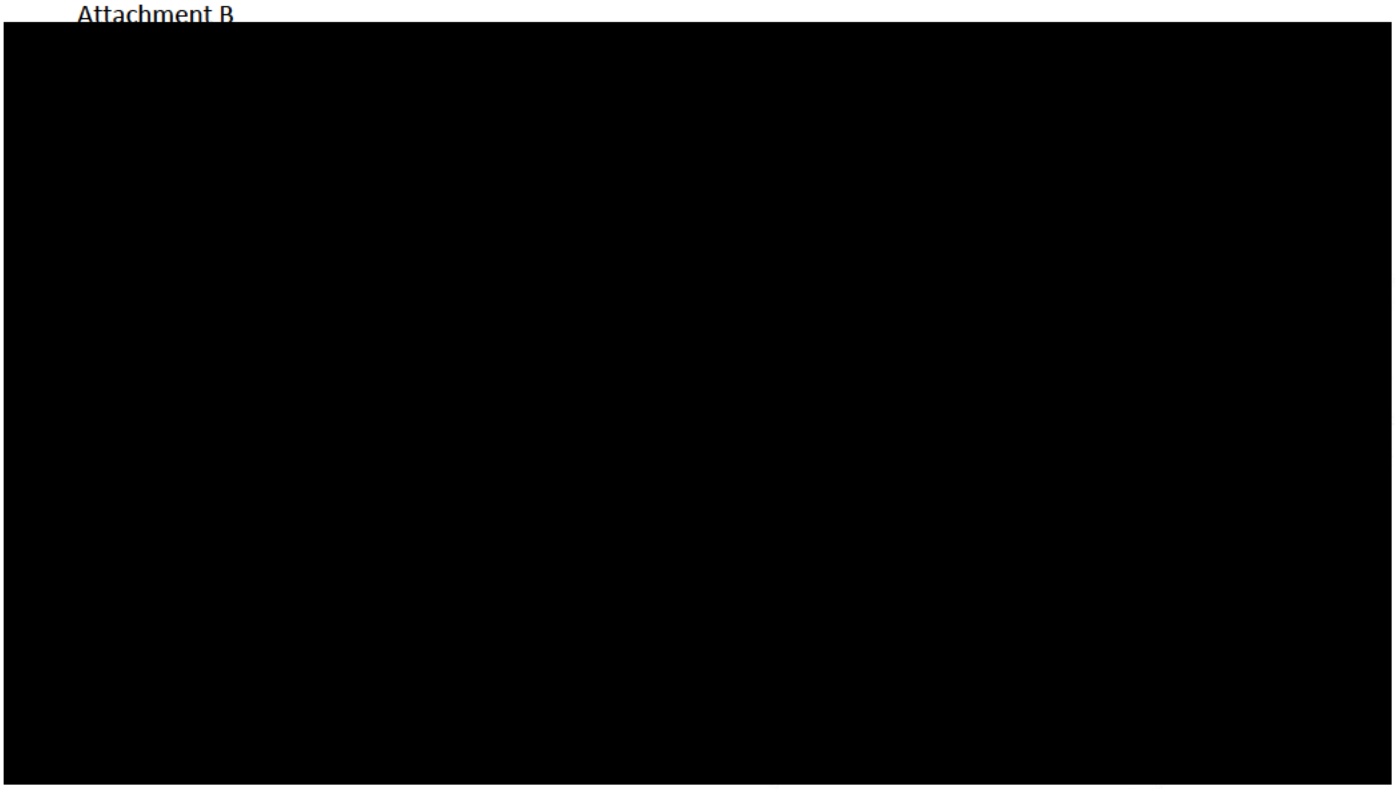
Design Alternative CD02213-07

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$520,000
Contingency Amount:	$145,600
Estimate:	$665,600
Reimbursement:	$0
Net Amount:	**$665,600**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TREE OH - Tree Trimming	16-OH61	[redacted]		$520,000.00

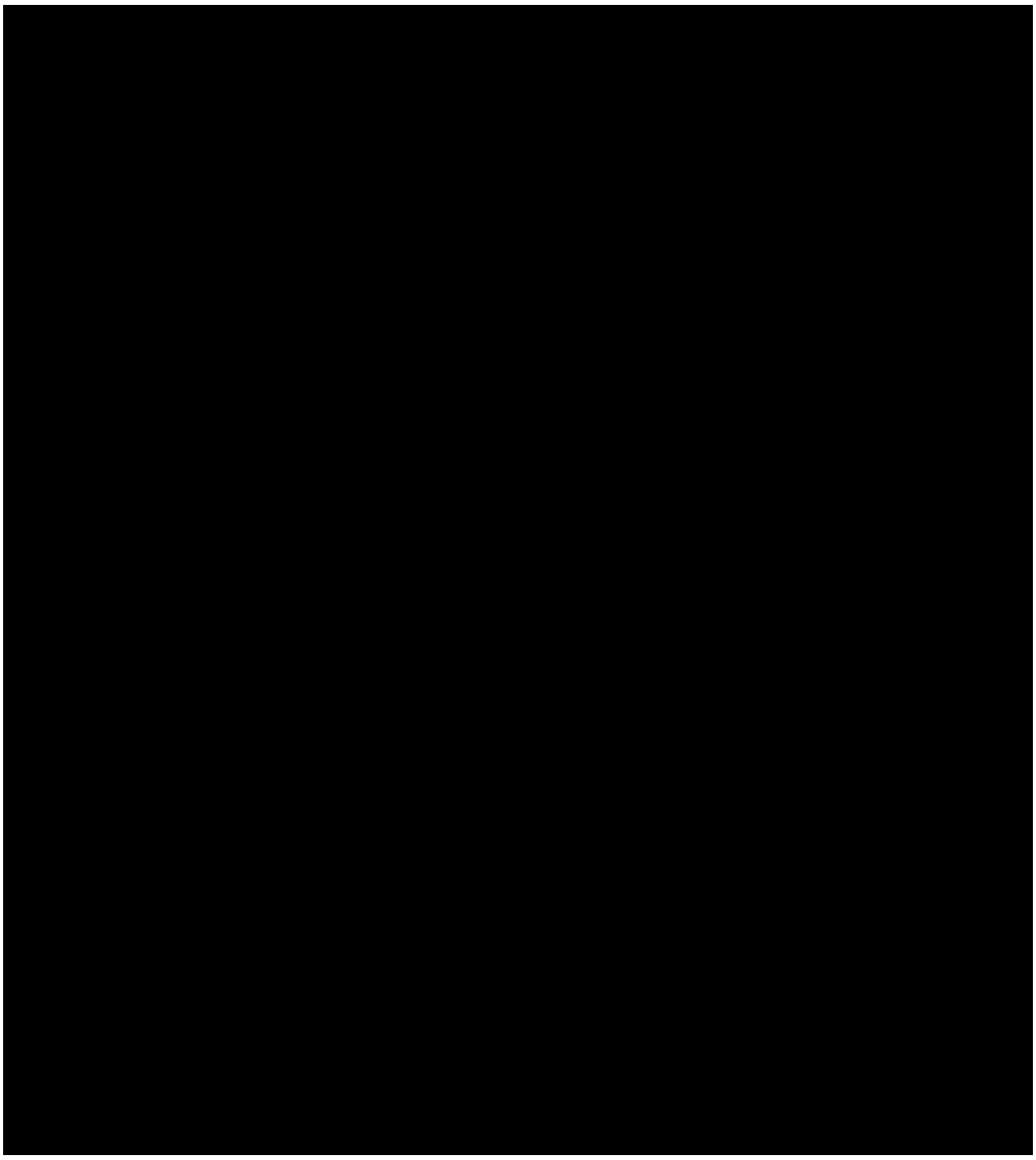
Attachment B



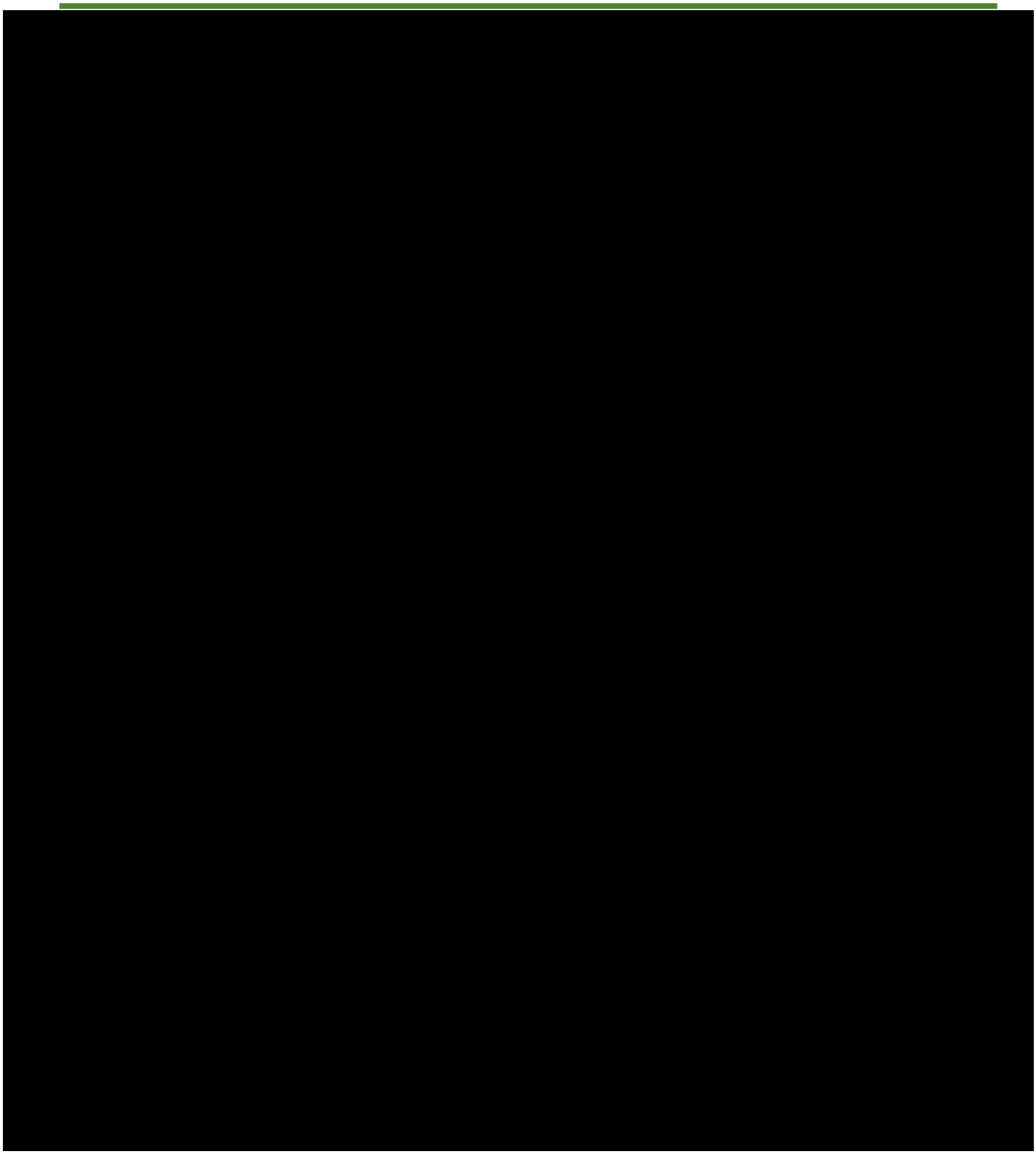
Attachment B (Cont.)



Attachment C



Attachment C (Cont.)



Attachment C (Cont.)

