EVERSOURCE

Operations Project Authorization Form

Project Title: Overloaded Network [redacted]	**Project Number:** CD02765
Date Prepared: 05/27/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** OVERLOADS-SPECIFIC PROJECTS
Operations Representative: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of 5-year plan?** Yes
Estimated in Service Date: 06/15/2026	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? Yes	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF ☒ Distribution
Total Request ($): $631.1k	**NWS Excludable:** ☐ Yes ☒ No
Project Driver: Capacity	**Authorization Type:** Full Funding

1. Executive Summary

Full Funding is being requested for this project at a capital cost of $631.1K, which is $14.1K less or 98% of the approved partial funding of $645.2K. There were no scope changes for this project.

[redacted]

Project Location:

a. Division: Western
b. District: Stamford
c. Town: Stamford

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Year 2027	Year 2028+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	126.2	0.0	0.0	126.2
Outside Services	8.1	0.0	0.0	8.1
Materials	50.9	0.0	0.0	50.9
Removals	13.2	0.0	0.0	13.2
Risk and Contingency	57.4	0.0	0.0	57.4
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	255.8	0.0	0.0	255.8
Indirect Capital Costs				
Indirect/Overheads (including benefits)	375.3	0.0	0.0	375.3
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal – Indirect Costs	375.3	0.0	0.0	375.3
Total Gross Capital Costs	**631.1**	0.0	0.0	**631.1**
Customer Contribution	0.0	0.0	0.0	0.0
Total Net Capital Project Costs	**631.1**	0.0	0.0	**631.1**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

[redacted]

b. Project Need

[redacted]

c. Project Scope

[redacted]

[redacted]

d. Major Material

[redacted]

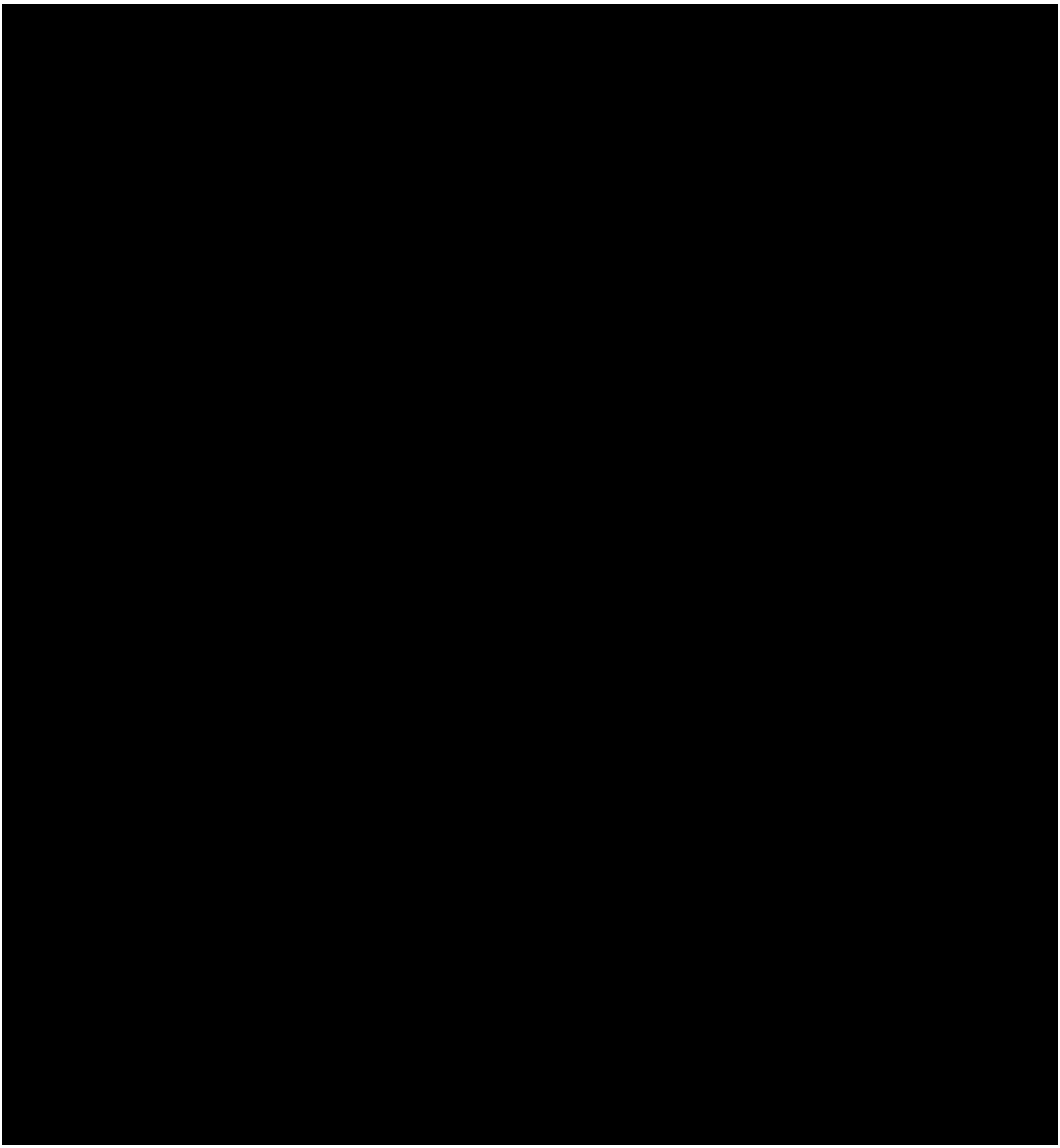
4. Alternatives Considered

Project Option Comparison

Design Criteria	Option			
	1 – New Net Xfmr	2 – Upgrade with 1000 kVA	3 – Upgrade with 750 kVA	4 - NWS
Required to meet project need				
Normal loads < 80% of UG rating	X	X	X	X
Normal loads < 90% of OH rating	X		X	X
Contingent loads < 100% of rating			X	X
Network Xfmr Loads - Normal < 100	X	X	X	X
Network Xfmr Loads – Contingency N-1 < 100	X	X		X
Network Xfmr Loads – Contingency N-1 > 125	X	X	X	X
Additional Benefits (not required to meet scope of project)				
Network Xfmr in Stock	X		X	N/A
Civil Work Required	X	X		X
ISD	June 2027	June 2027	June 2026	Dec 2027
Authorization Type	Partial	Partial	Full	Partial
Capital Cost	$1,138.4k	$727.5k	$631.1k	$23,274.1k
Expense Cost	$52.8k	$33.8K	$22.9k	$ 725.9k
Total Cost	$1,191.2k	$761.3K	$653.9k	$24,000.0k
Preferred option			X	

Option Summary

[redacted]



5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	April 2026
100% Detailed Engineering Completion	April 2026
Fully Funded	May 2026
Construction Start	June 2026
In Service Date	June 2026

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

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	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	2026	Medium	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.
Materials Shortage or long lead times	2026	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2026	Medium	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2026	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	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.

9. References

References
1. N/A

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

Attachment	Included in Submittal?
A. Partial PAF	*YES*

Attachment A Partial PAF:

Project Title: Overloaded Network [redacted]	**Project Number:** CD02765
Date Prepared: 04/01/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** OVERLOADS-SPECIFIC PROJECTS
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: 06/01/2026	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $645.2k	**Authorization Type:** Partial Funding

11. Executive Summary

[redacted]

Project Location:

a. Division: Western
b. District: Stamford
c. Town: Stamford

12. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Year 2027	Year 2028+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	27.0	0.0	0.0	27.0
Outside Services	219.6	0.0	0.0	219.6
Materials	110.2	0.0	0.0	110.2
Removals	48.8	0.0	0.0	48.8
Risk and Contingency	4.3	0.0	0.0	4.3
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**409.8**	**0.0**	**0.0**	**409.8**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	220.7	0.0	0.0	220.7
Capitalized interest or AFUDC, if any	14.6	0.0	0.0	14.6
Subtotal – Indirect Costs	**235.4**	**0.0**	**0.0**	**235.4**
Total Gross Capital Costs	**645.2**	**0.0**	**0.0**	**645.2**
Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Total Net Capital Project Costs	**645.2**	**0.0**	**0.0**	**645.2**

13. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background



PTI Result



[redacted]

b. Project Need

[redacted]

c. Project Scope

[redacted]

All work is completed using existing infrastructure, with no civil construction required.

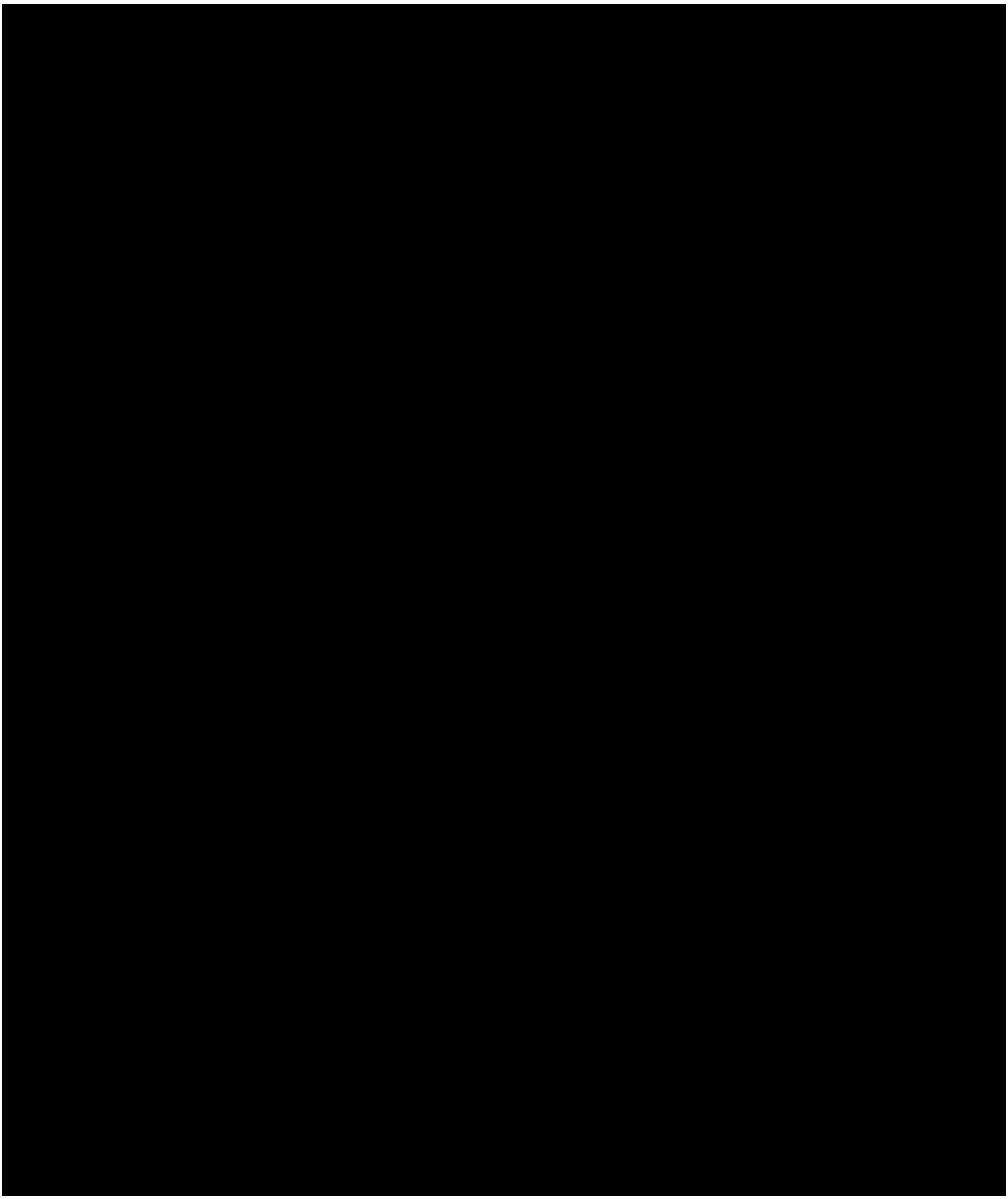
d. Major Material

[redacted]

14. Alternatives Considered

Project Option Comparison

Design Criteria	Option			
	1 – New Net Xfmr	2 – Upgrade with 1000 kVA	3 – Upgrade with 750 kVA	4 - NWS
Required to meet project need				
Normal loads < 80% of UG rating	X	X	X	X
Normal loads < 90% of OH rating	X		X	X
Contingent loads < 100% of rating			X	X
Network Xfmr Loads - Normal < 100	X	X	X	X
Network Xfmr Loads – Contingency N-1 < 100	X	X		X
Network Xfmr Loads – Contingency N-1 > 125	X	X	X	X
Additional Benefits (not required to meet scope of project)				
Network Xfmr in Stock	X		X	N/A
Civil Work Required	X	X		X
ISD	June 2027	June 2027	June 2026	Dec 2027
Authorization Type	Partial	Partial	Partial	Partial
Capital Cost	$1,138.4k	$727.5k	$645.2k	$23,274.1k
Expense Cost	$52.8k	$33.8K	$20.1k	$ 725.9k
Total Cost	$1,191.2k	$761.3K	$665.3k	$24,000.0k
Preferred option			X	



This battery size exceeds allowable interconnection limits for a secondary network system and presents significant technical and space constraints. Based on these limitations and the required implementation timeline, NWS alternative is not feasible.

15. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	April 2026
100% Detailed Engineering Completion	April 2026
Fully Funded	April 2026
Construction Start	May 2026
In Service Date	June 2026

16. Regulatory Decisions

N/A

17. Codes and Standards

N/A

18. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2026	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	2026	Medium	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	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2026	Medium	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2026	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	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	Medium	Use of mats and specialty equipment, only work during certain times of the year.

19. References

References
1. N/A

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Geographic Map	*YES*
C. Load Summary	*YES*
D[redacted] Street Network – PTI Study	*YES*
E. Project Authorization Checklist	*YES*
F. Initial Funding PAF	*YES*

Attachment A: Cost Estimate

Project Option Summary

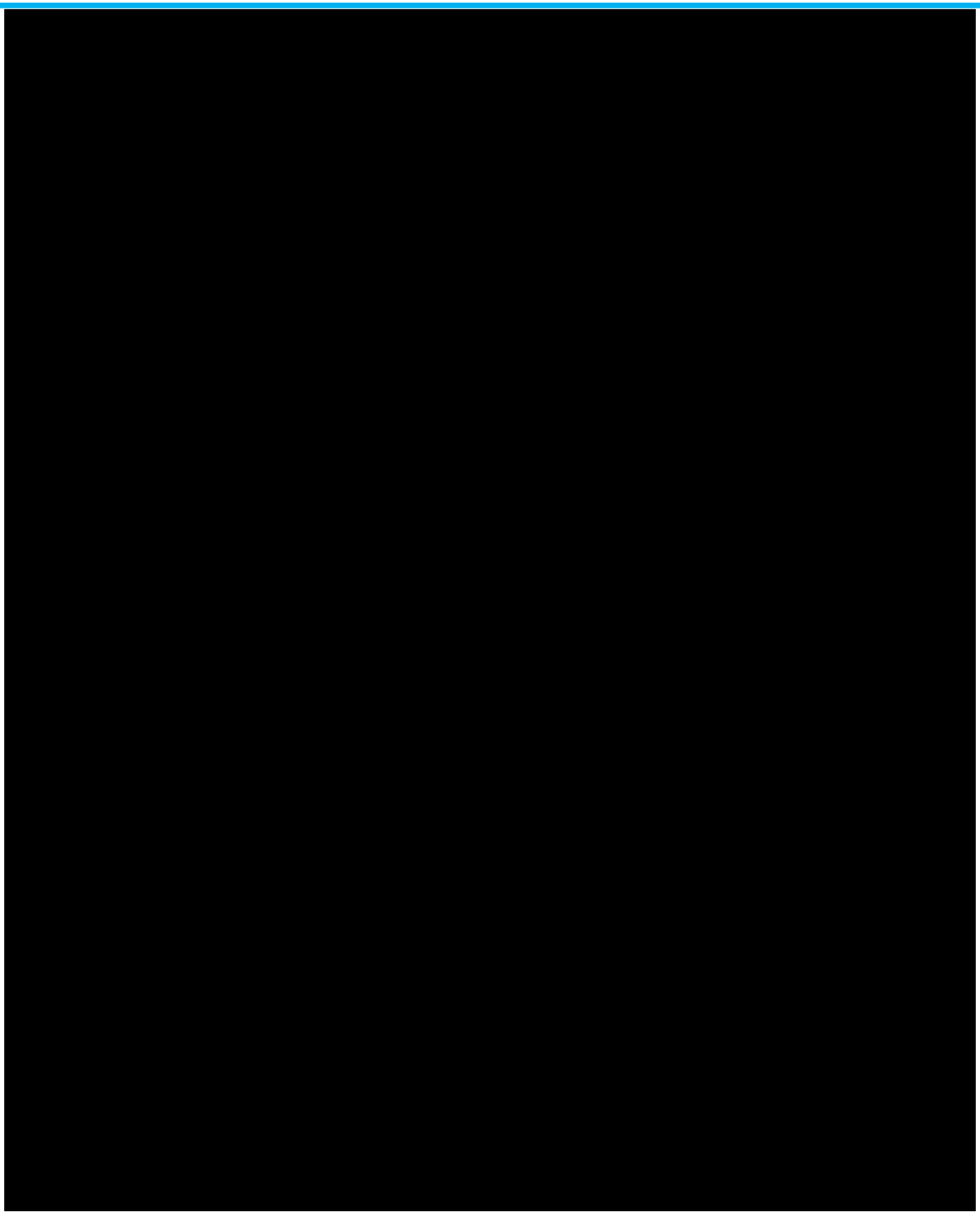
ID	Description Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	[redacted]	$761,295	$0	100%	$0.00	$0.00	☐
O2		$1,191,213	$0	100%	$0.00	$0.00	☐
O3		$665,288	$0	100%	$0.00	$0.00	☑

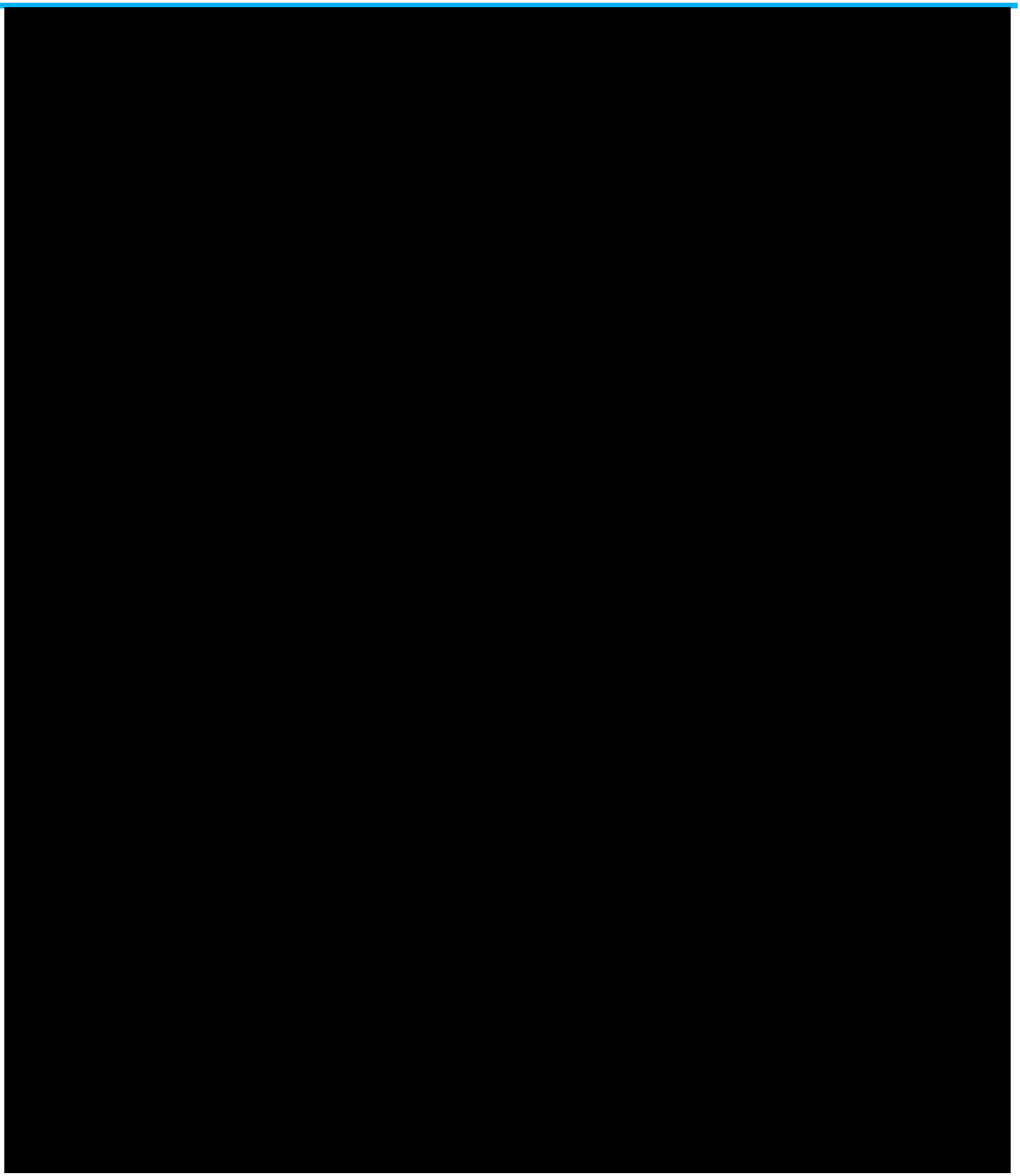
Segments

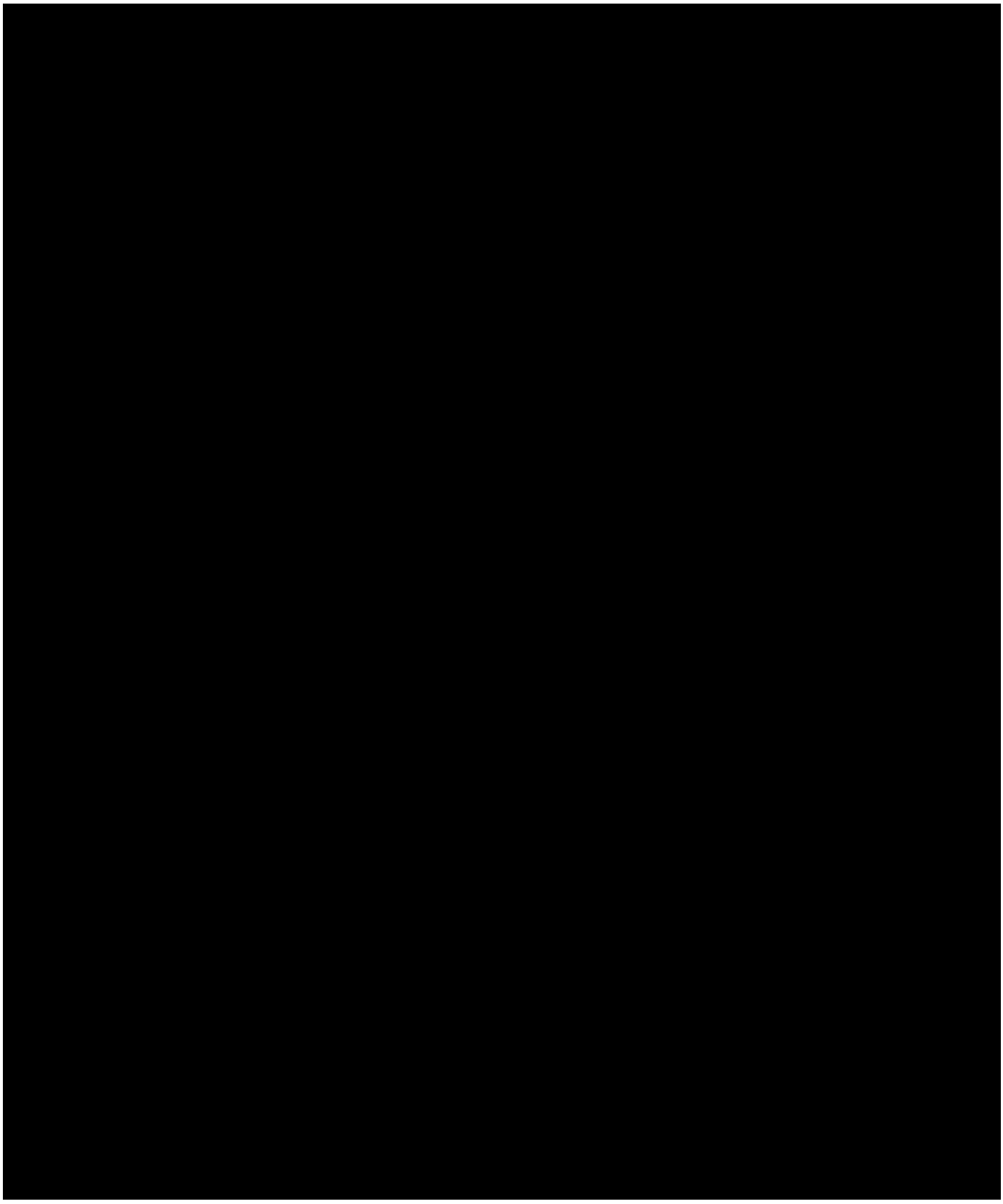
ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	[redacted]	$253,657			$0.00	$0.00
2		$253,657			$0.00	$0.00
3		$1,191,213			$0.00	$0.00
4		$253,981			$0.00	$0.00
5		$411,307			$0.00	$0.00

Attachment B: Geographic Map









Attachment E: Project Authorization Checklist

Project Authorization Checklist

Project Initiator: [redacted]

Project #: CD02765

Project Title: Overloaded Network [redacted]

Funding Type: ☒ Initial PAF ☒ Partial PAF ☐ Full PAF

Project Alternatives:

☒ Options considered ☒ Explanation why alternatives were not selected

☐ NWA considered ☐ Explanation why preferred option was selected

Project Requirements (Review all, and check all that apply):

NR = Not Required R = Required C = Complete

NR	R	C		NR	R	C	
☐	☒	☐	Easement	☒	☐	☐	TD007 - Obtaining Property Owner's Consent for Line Construction
☒	☐	☐	Trimming Estimate Received	☒	☐	☐	ROW trimming Estimate Received
☒	☐	☐	Environmental Review Initiated	☐	☐	☒	Review with Operations
☐	☒	☐	Permits (state roads)	☐	☒	☐	Underground permits
☒	☐	☐	P &C Settings	☒	☐	☐	Material long lead
☐	☐	☒	PTI load flow				

PAF Documents Attached:

☒ One Lines ☒ Geographical Map ☒ Load Projections ☒ Estimates

☐ Other Documents (List):

PAF Review Complete:

☐ Lead Reviewed by: [redacted] Date: 02/XX/26

☐ Manager Reviewed by: [redacted] Date: 02/XX/26

EVERSOURCE

Operations Project Authorization Form

Attachment F: Initial Funding PAF

Project Title: Overloaded Network [redacted]	**Project Number: CD02765**
Date Prepared: 01/08/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** NETWORK XFMR + PROTECTOR REPL
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of 5-year plan?** Yes
	Emergency Related Request? No
Total Request ($): 30K	**Authorization Type:** Initial Funding

1. Project Need Statement

[redacted]

Project Location:

a. Division: Western
b. District: Stamford
c. Town: Stamford

2. Project Objectives

This project requests an initial funding of $30K to provide engineering support and develop designs to resolve network overloads.

Project Initiator: [redacted]

Engineering Approval: [redacted]