EVERSOURCE

Project Approval Form

Project Title: Franklin Drive [redacted]– Normal Overload Project– Scope Change	**Project Number: CD01580**
Date Prepared: 10/15/2024	**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:** No
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: $1,195.8K	**Authorization Type:** Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of $1,195.8K which is 142.9% of the partial funding capital estimate of $836.7K. CD01580 was partially approved on 10/11/2023. The variance between the full funding and partial funding estimate is due to a scope change that included reconductoring of [redacted] This work necessitated the inclusion of a civil contractor, which increased the overall cost of the project. Additionally, an increase of $7.5K to approximately $40K occurred due to significant manhole cleaning required to complete the work.

The original project was presented as follows:

- [redacted]
- [redacted]

- [redacted]

Change in Scope:

- *This project proposes two major scope changes to the original project.* [redacted]. *The additional cost of this first scope change is $420,994.00.*
- *The second scope change is illustrated in Segment 5 which will expand the original scope of this project to include the* [redacted]
- [redacted] *The additional cost of this scope change is $ 136,092.00. The total project cost for the original scope of this project and the two additional scope changes is $862,793.00.*

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2023 Actual	2024 Actual	2025 Estimate	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	0.0	4.5	57.3	61.8
Outside Services	0.0	23.3	295.5	318.9
Materials	0.0	13.7	173.3	187.0
Removals	0.0	2.6	38.0	40.6
Risk and Contingency	0.0	0.0	79.3	79.3
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**0.1**	**44.1**	**643.4**	**687.6**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	0.2	35.5	471.6	507.4
Capitalized interest or AFUDC, if any	0.0	0.8	0.0	0.8
Subtotal – Indirect Costs	**0.2**	**36.3**	**471.6**	**508.1**
Total Gross Capital Costs	**0.3**	**80.4**	**1,115.0**	**1,195.8**
Customer Contribution				
Total Net Capital Project Costs	**0.3**	**80.4**	**1,115.0**	**1,195.8**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

[redacted]

[redacted]



b. Project Need

[redacted]

[redacted]

c. Project Scope

[redacted]

Major Material:

1,100’ - 750 MCM, Copper, EPR, 15 kV, UG Cable

1 – 45/1 Eversource Pole

3 – 900 Amp. Vert. Disc. Switches

3 - Fault Indicators

840’ – 4” Fiberglass Conduit

965’ – 750 MCM Copper, EPR, 15kV UG Cable

295’ – 4/0 Bare Copper UG Cable

4. Alternatives Considered

[redacted]

[redacted] The additional cost of these two scope changes combined with the original project costs is $1,243,600.

[redacted]. The cost of this second alternative combined with the original project costs is $726,701.00.

Project Option Comparison

[redacted]

[redacted]

Authorization Type	Full	Partial	Partial
Capital Cost	$1,195.8K	$704.7K	$348.6K
Expense Cost	$47.8K	$22K	$10.8K
Total Cost	$1,243.6K	$726.7K	$359.4K
Total Cost / MVA added	$438.4K/MVA	$258.4K/MVA	$127.8K/MVA
Total Cost / CM Saved	$19.05/CM	$0/CM	$0/CM
Total Cost / CI Saved	$1,029.10/CI	$0/CI	$0/CI
Preferred option	X		

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	October 2023
100% Detailed Engineering Completion	August 2024
In Service Date	December 2025

6. Regulatory Decisions

The local regulatory will require approval to access the existing easement area for the duct-bank extension on Franklin Drive.

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.	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	Low	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.	2025	High	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2025	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2025	Low	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.

Technological risks involving integration of new technology	2025	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	2025	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

N/A

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

Attachment	Included in Submittal?
A. Partial Funding PAF Form	*YES*
B. Cost Estimate	*YES*
C. Underground Maps	*YES*
D. System and Station One-Lines	*YES*
E. Load Sheet	*YES*
F. Photos of Existing Conduits	*YES*
G. Cable Rating Summary	*YES*

EVERSOURCE

Project Approval Form

Attachment A: Partial Funding PAF Form

Project Title: Franklin Drive [redacted] – Normal Overload Project– Scope Change	**Project Number: CD01580**
Date Prepared: 10/11/2023	**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:** No
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: 6/1/2024	
Total Capital Request: $836.7K	**Authorization Type:** Partial Funding

1. Executive Summary

[redacted]

[redacted]. The total cost of this proposal is $305,707.00 and has an in-service date of 6/1/2024.

Change in Scope:

[redacted] The additional cost of this scope change is $ 136,092.00. The total project cost for the original scope of this project and the two additional scope changes is $862,793.00.

Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2024	Year 2025	Year 2026+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	$ 35.0	$0	$0	$ 35.0
Outside Services	$284.8	$0	$0	$284.8
Materials	$142.9	$0	$0	$142.9
Removals	$63.2	$0	$0	$63.2
Risk and Contingency	$0	$0	$0	$0
Other	$5.5	$0	$0	$5.5
Subtotal – Direct Costs	$531.5	$0	$0	$531.5
Indirect Capital Costs				
Indirect/Overheads (including benefits)	$286.3	$0	$0	$286.3
Capitalized interest or AFUDC, if any	$19.0	$0	$0	$19.0
Subtotal – Indirect Costs	$305.2	$0	$0	$305.2
Total Gross Capital Costs	$836.7	$0	$0	$836.7
Customer Contribution	$0	$0	$0	$0
Total Net Capital Project Costs	**$836.7**	$0	$0	**$836.7**

2. Technical Justification

Project Need/Justification, Project Scope and Background

a. Project Need

[redacted]

[redacted]

b. Project Scope

[redacted]

[redacted]

Major Material:

1,100' - 750 MCM, Copper, EPR, 15 kV, UG Cable
1 – 45/1 Eversource Pole
3 – 900 Amp. Vert. Disc. Switches
4 - Fault Indicators
840' – 4" Fiberglass Conduit
965' – 750 MCM Copper, EPR, 15kV UG Cable
295' – 4/0 Bare Copper UG Cable

c. Background

[redacted]

[redacted]



3. Alternatives Considered

[redacted]

[redacted]

[redacted]

[redacted]. The cost of this second alternative combined with the original project costs is $726,701.00.

Project Option Comparison

[redacted]

Additional Project Cost	X		X
Authorization Type	Partial	Partial	Partial
Capital Cost	$836.7K	$704.7K	$348.6K

Expense Cost	$26.1K	$22K	$10.8K
Total Cost	$862.8K	$726.7K	$359.4K
Total Cost / MVA added	$306.8K/MVA	$258.4K/MVA	$127.8K/MVA
Total Cost / CM Saved	$13.33/CM	$0/CM	$0/CM
Total Cost / CI Saved	$720.06/CI	$0/CI	$0/CI
Preferred option	X		

4. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	10/2023
100% Detailed Engineering Completion	11/2023
Fully Funded	12/2023
Construction Start	3/2024
In Service Date	6/2024

5. Regulatory Decisions

The local regulatory will require approval to access the existing easement area for the duct-bank extension on Franklin Drive.

6. Codes and Standards

7. Risk and Contingencies

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	High	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2024	Low	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	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	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.

8. References

References
2.
3.
4.

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. P6 Schedule	*NO*
C. Underground Maps	*YES*
D. System and Station One-Lines	*YES*
E. Load Sheet	*YES*
F. Photos of Existing Conduits	*YES*
G. Cable Rating Summary	*YES*

Attachment B: Cost Estimate

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01580

Franklin Dr.- [redacted] Normal Overload Proj.

Work Classification

Category: Line
Type: BLG1
Type Desc: OVERLOADS-SPECIFIC PROJECTS
Work Type:

Ownership / Management

AWC: Torrington
Statewide: No
Owner: [redacted]
Manager:

Project Information

Status: Prelim Design Approved
SPS #:
AIS Score:
Associated Projects:
Assignment ID:
Patrol Find ID:

Budget Summary - Preferred Option

Preferred Option w/Bridge Repair & PILC Replacement

2024

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	[redacted] Getaway Replacement	Prelim	0	24%	$305,707	$305,707
3	Duct Bank Conduit Repair - Civil Work	Prelim	0	24%	$178,605	$178,605
4	[redacted] Cable Replacement	Prelim	0	24%	$242,389	$242,389
5	[redacted] PILC Replacement	Prelim	0	24%	$136,092	$136,092
				2024 Total:	**$862,793**	**$862,793**
				Total Project:	**$862,793**	**$862,793**

Connecticut Light & Power
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Specific Project Proposal - Project #: CD01580

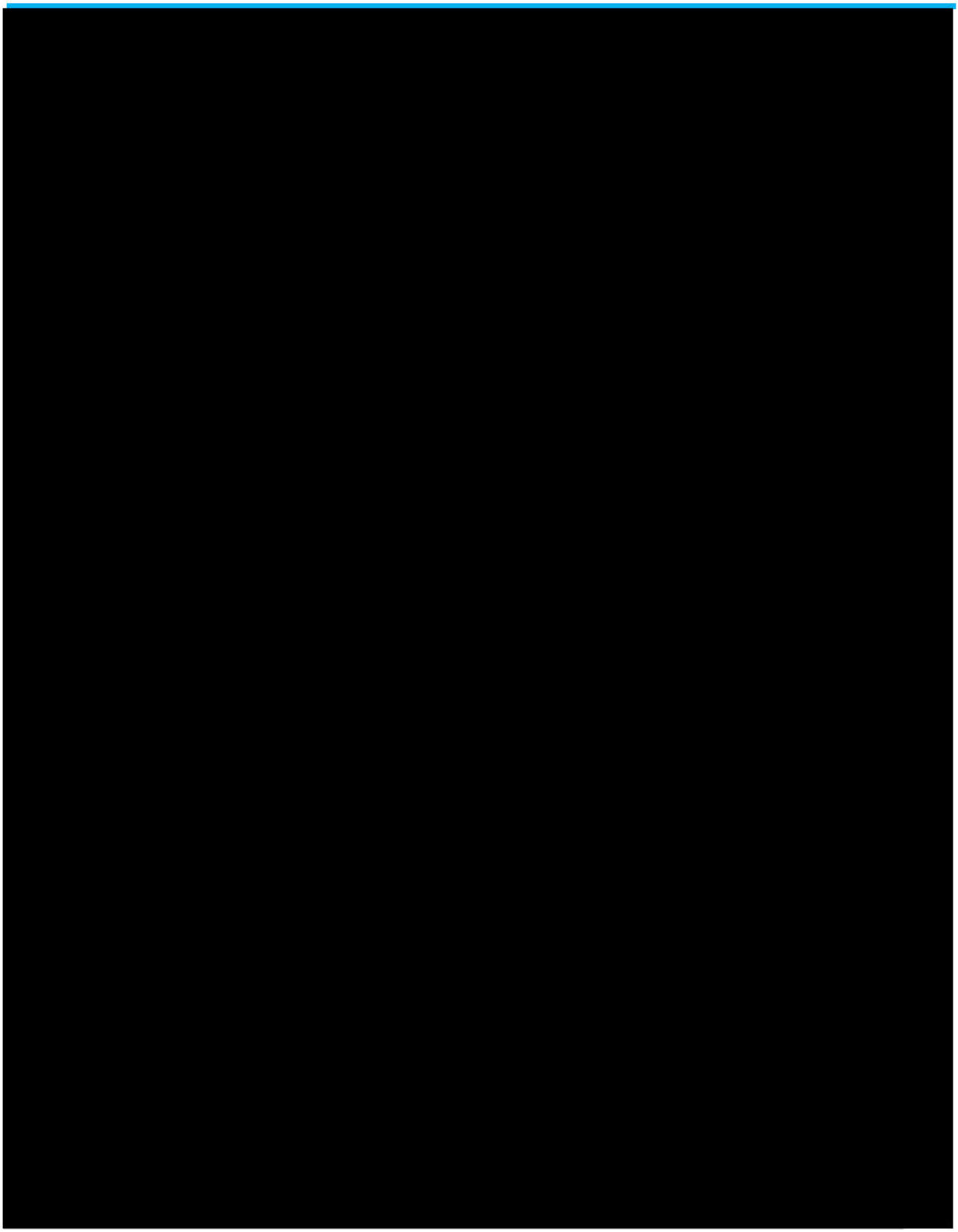
Franklin Dr. [redacted] Normal Overload Proj.

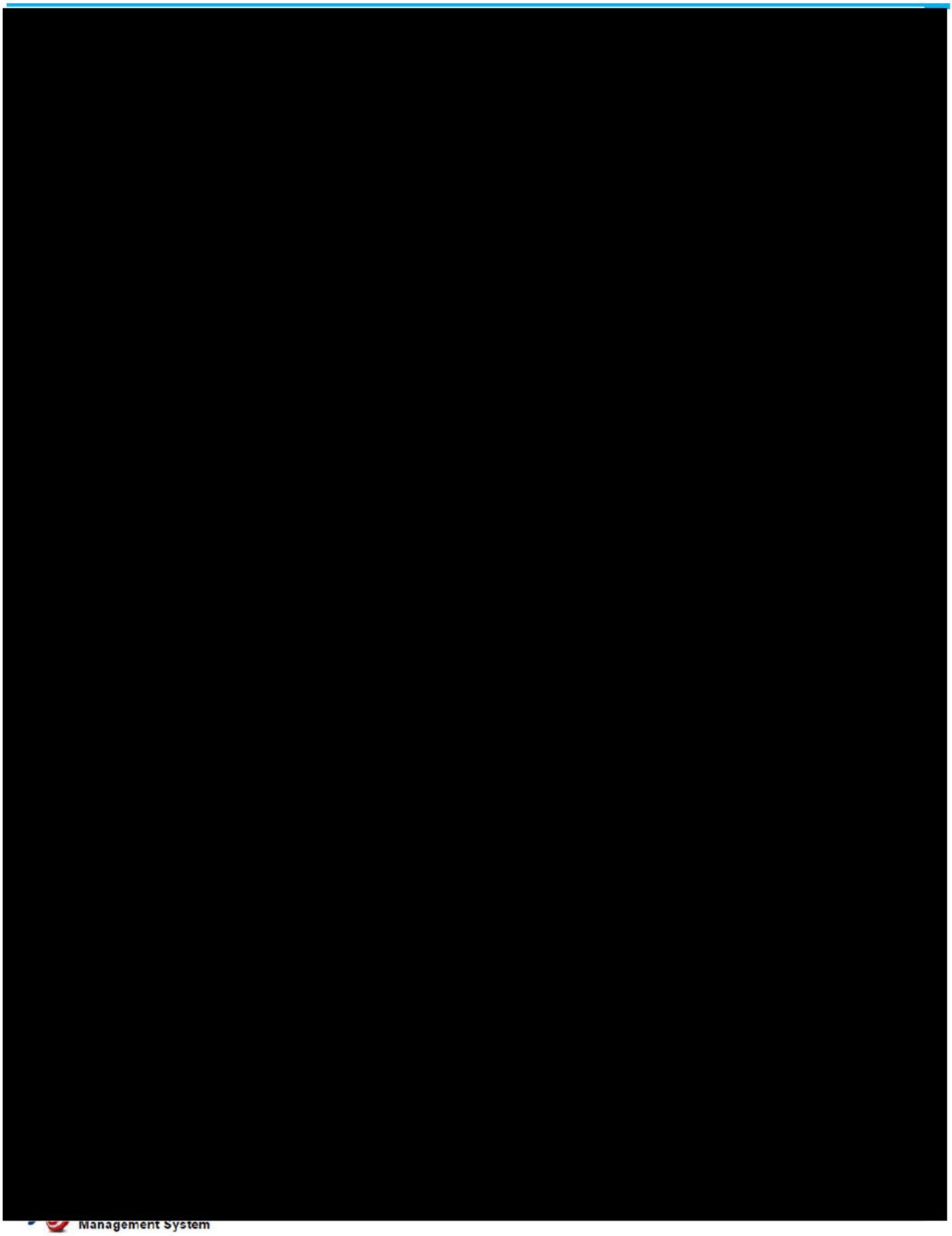
Project Option Summary

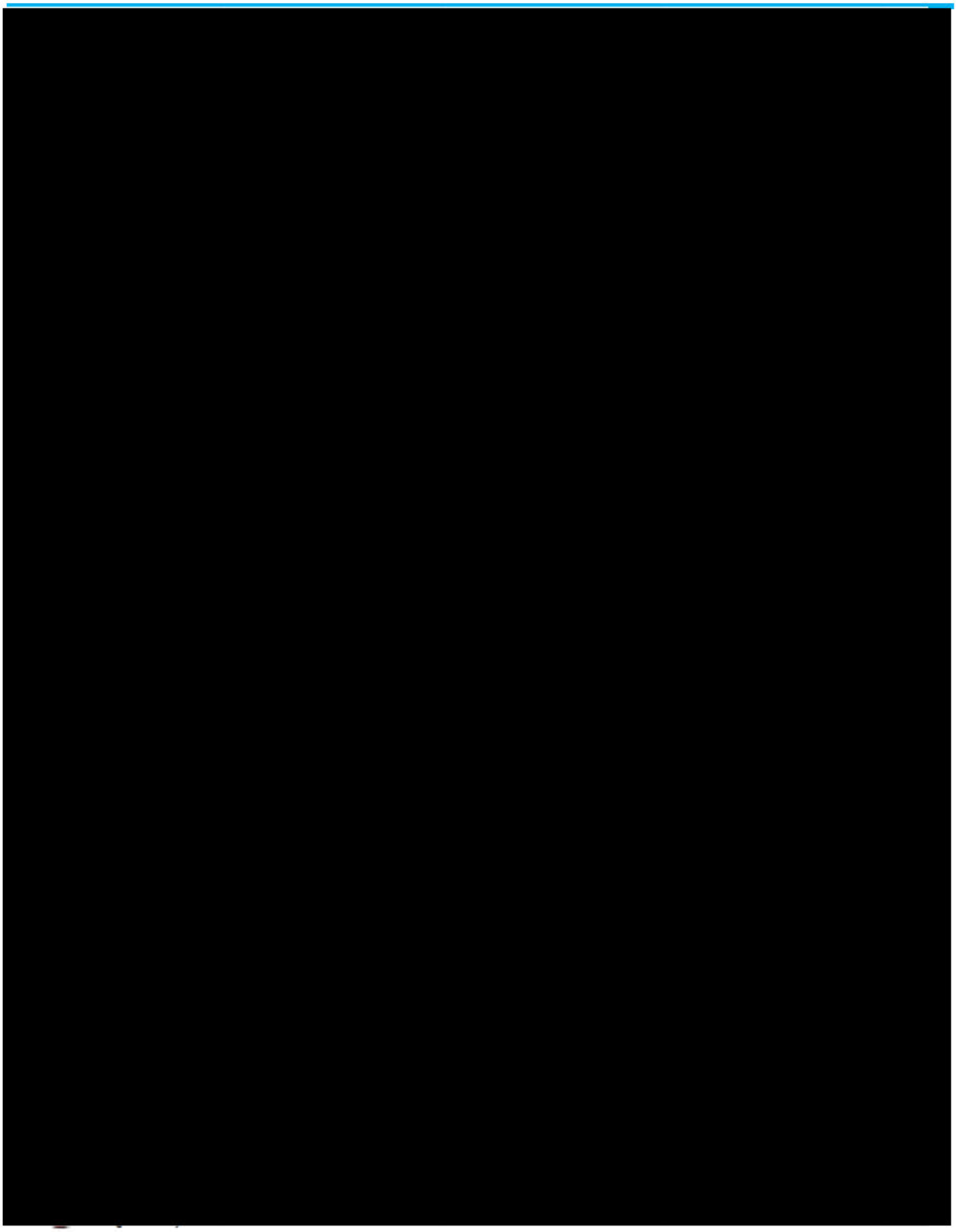
ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	Original Option	1	$305,707	$0	100%	$0.00	$0.00	☐
O2	First Alternative Option w/ Bridge Repair	1,3,4	$726,701	$0	100%	$0.00	$0.00	☐
O3	Preferred Option w/Bridge Repair & PILC Replacement	1,3,4,5	$862,793	$0	100%	$84.58	$84.58	☑

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	[redacted] Getaway Replacement	$305,707			$0.00	$0.00
2	[redacted] Parallel Feeder Getaway	$359,430			$0.00	$0.00
3	Duct Bank Conduit Repair - Civil Work	$178,605			$0.00	$0.00
4	[redacted] Cable Replacement	$242,389			$0.00	$0.00
5	[redacted] - PILC Replacement	$136,092			$13.33	$13.33







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Specific Project Proposal - Project #: CD01580

Franklin Dr.-[redacted] Normal Overload Proj.

Environmental

Water Pollution: No Change Soil Contamination: No Change Natural Habitats: No Change

Alternatives considered based on Environmental Impact or Description of Aspects Oil Spill Risks Considered? ☐

Safety Concerns With This Project? ☐

Explain:

External Stakeholders

Customer Impact / Involvement

Cust. Impacted: 2695 Approx. Pole Count (NU):

Crit. Cust. Impacted: Approx. Pole Count (Other): 1

Adjoining Property Owner Consent Required: ☐ Town Hearing Required: ☐

Other Utility Pole Custodian Area: ☐ Easement Required: ☑

State Highway Permit Required: ☐

Relocation / New Service

New Srvc. Contact: Requestor Type:

Customer Type: State Highway Project #:

Request Number: Route #:

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01580

Franklin Dr.-[redacted]Normal Overload Proj.

Segment CD01580-01

General Information

Segment: 1 - 1B08 - Feeder Getaway Replacement | Status: Prelim Design Approved

Segment Type: LOAD/CAPACITY | Town: TORRINGTON | Budget Year: 2024

Work Type: BB-Reconductoring | Trimming Required: ☐ | In Service Date: 6/1/2024

[redacted]

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01580

Franklin Dr.-[redacted]Normal Overload Proj.

Segment CD01580-01

Estimate

Preliminary Estimate Summary	
Revision Number:	0
Contingency:	24.00%
SubTotal:	$246,538
Contingency Amount:	$59,169
Estimate:	$305,707
Reimbursement:	$0
Net Amount:	**$305,707**
Description:	ENG Estimate for 1B08 Feeder Getaway Replacement

Item Description	CU	[redacted]	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	16-ALL17		$7,019.20
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18		$24,000.00
OTHER OTHER 25% Contractor Adder	16-ALL14		$58,341.00
SECTIONALIZE OH-Vertical Disconnect Switches-600/900 amp 3-1ph 3 - 900 Amp. Vert Disc. Sw	16-OH43		$10,283.20
OTHER OTHER 3 Fault Indicators	16-ALL14		$1,000.00
UG CABLE DB/UG - 750/1000 - 3-1/C (3ph) Cu Inst. 750 MCM Cu EPR Cable @ MH 1 - P# 290	16-UG114B		$105,600.00
OTHER OTHER Manhole Cleaning @ 1.500/MH , 5 @ 1$500= $7500	16-ALL14		$7,500.00
POLE DB/UG - Riser - 3ph P# 290	16-UG146		$10,794.40
UG CABLE UG - Cable Removal - all cables	16-UG117		$22,000.00

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Specific Project Proposal - Project #: CD01580

Franklin Dr.-[redacted] Normal Overload Proj.

Segment CD01580-01

Rmv. 500 MCM Cu EPR Cable @ MH 1 - P# 290

Associated / Impacted Devices

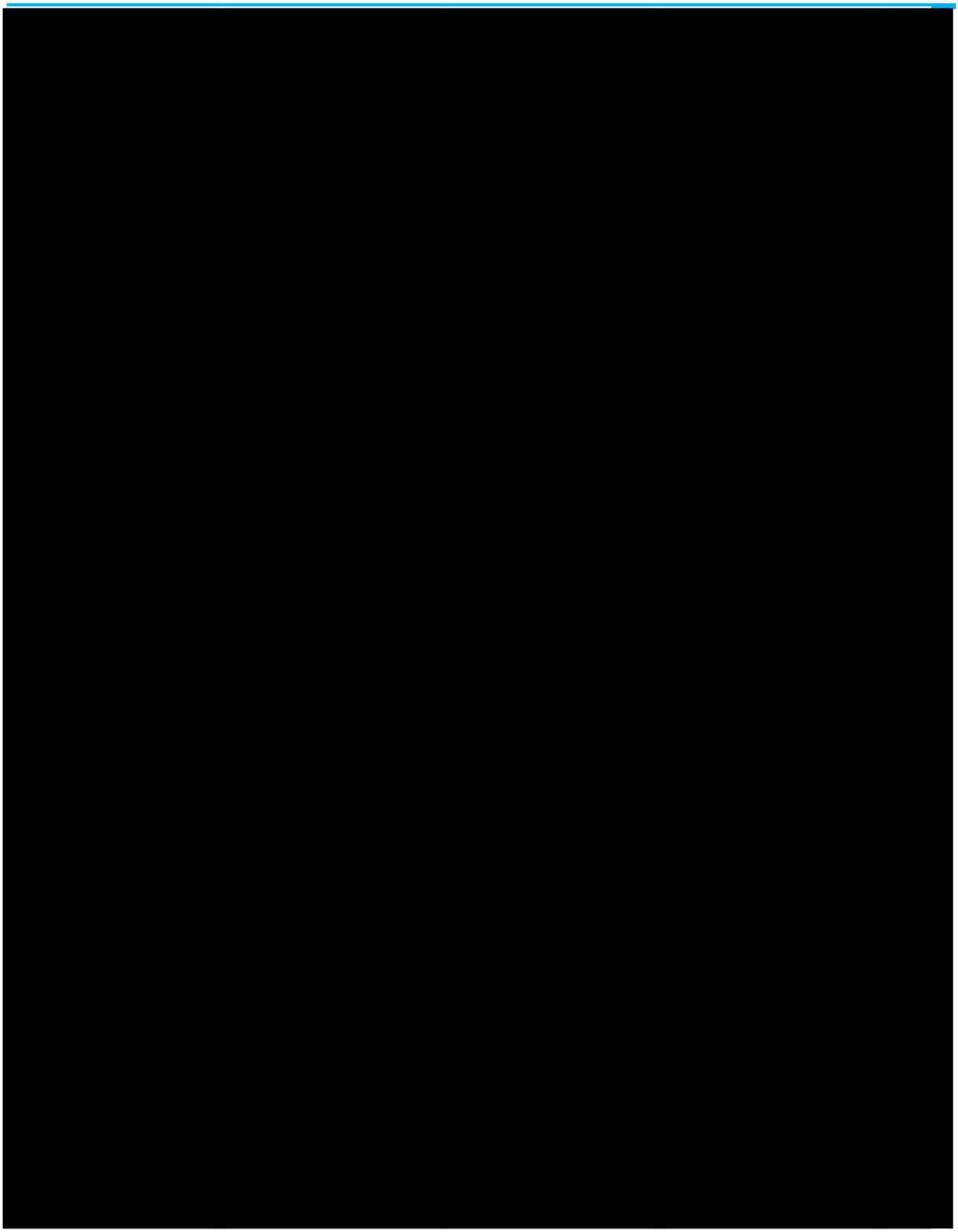
Status	Type / SysID	Street / Cross St	Structure / Town	[redacted]	Cust	Notes
Existing	[redacted]	FRANKLIN DR MARION AVE	TORRINGTON		2695	

Reliability Projection

Title:

Outage Start Date: 3/31/2019 Outage End Date: 3/31/2023 Years History: 4.00

[redacted]



Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01580

Franklin Dr.-[redacted] Normal Overload Proj.

Design Alternative CD01580-02

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$289,863
Contingency Amount:	$69,567
Estimate:	$359,430
Reimbursement:	$0
Net Amount:	**$359,430**
Description:	ENG Estimate to Inst. parallel 500 MCM CU EPR UG Cable for 1B08 Circuit

Item Description	CU	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	16-ALL17	$7,019.20
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18	$30,000.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	16-OH22	$2,884.00
OTHER OTHER 25% Contractor Adder	16-ALL14	$68,594.00
SECTIONALIZE OH-Vertical Disconnect Switches-600/900 amp 3-1ph 3 @ 900 Amp.Vert Disc Sw.	16-OH43	$10,283.20
OTHER OTHER 3 Fault Indicators	16-ALL14	$1,000.00
CONDUIT UG-Ductline-up to 12 duct - Traveled Way / Paved 50' + 35'= 85'	16-UG137	$26,588.00
CONDUIT UG-Ductline-up to 12 duct-Non- Traveled/Non-Paved Across Substation Yard	16-UG138	$4,720.00
OTHER OTHER	16-ALL14	$30,000.00

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01580

Franklin Dr.-[redacted] Normal Overload Proj.

Design Alternative [redacted] CD01580-02

Easement Costs		
OTHER OTHER Manhole Cleaning @ $1500/ea 5 x $1500= $7,500	16-ALL14	$7,500.00
POLE DB/UG - Riser - 3ph New Riser Pole	16-UG146	$10,794.40
UG CABLE DB/UG - 350/500 - 3-1/C (3ph) Cu Parallel 500 MCM UG Cable @ 1B08 Reactor - New Pole Set near P# 290	16-UG114	$90,480.00

Associated / Impacted Devices

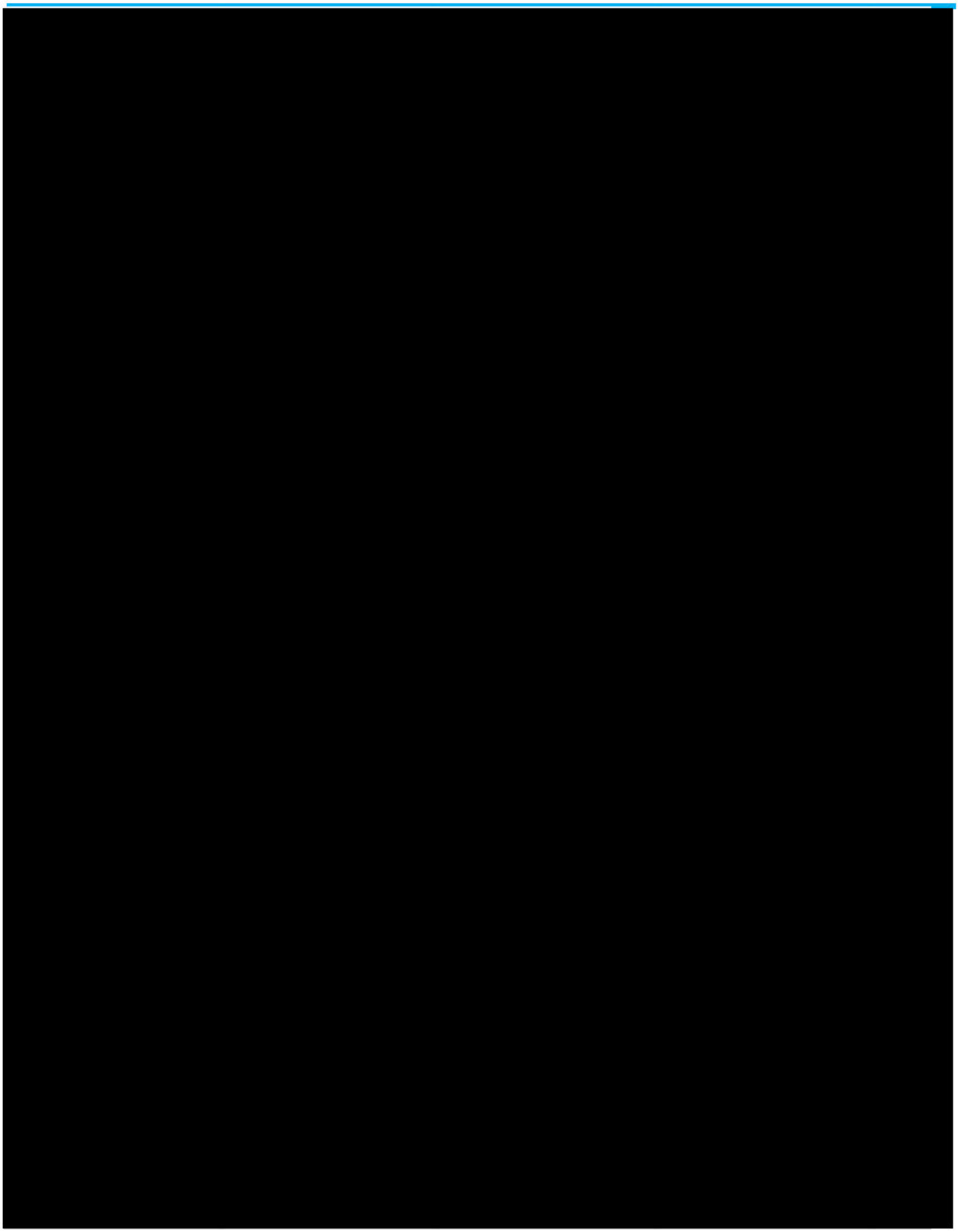
Status	Type / SysID	Street / Cross St	Structure / Town	[redacted]	Cust	Notes
Existing	[redacted]	FRANKLIN DR MARION AVE	TORRINGTON		2695	

Reliability Projection

Title:

Outage Start Date: 3/31/2019 Outage End Date: 3/31/2023 Years History: 4.00

[redacted]



Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01580

Franklin Dr.-[redacted] Normal Overload Proj.

Design Alternative CD01580-03

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$144,037
Contingency Amount:	$34,569
Estimate:	$178,605
Reimbursement:	$0
Net Amount:	**$178,605**

Description: ENG Estimate for Civil Work @ MH# 3 - MH# 4

Item Description	CU	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	23-ALL17	$9,124.96
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18	$14,537.00
CONDUIT DB - Conduit Installation 12 Fiberglass Conduits @ 70'/ea	23-UG152	$48,921.60
OTHER OTHER Cleaning Manholes	23-ALL14	$3,000.00
OTHER OTHER Contractor Adder @ 30%	23-ALL14	$33,253.00
OTHER OTHER Portable Scaffolding	23-ALL14	$10,000.00
OTHER OTHER Remove 840' of existing Conduit @ $30/ft	23-ALL14	$25,200.00

[redacted]

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01580

Franklin Dr.- [redacted] Normal Overload Proj.

Design Alternative CD01580-03

Associated / Impacted Devices

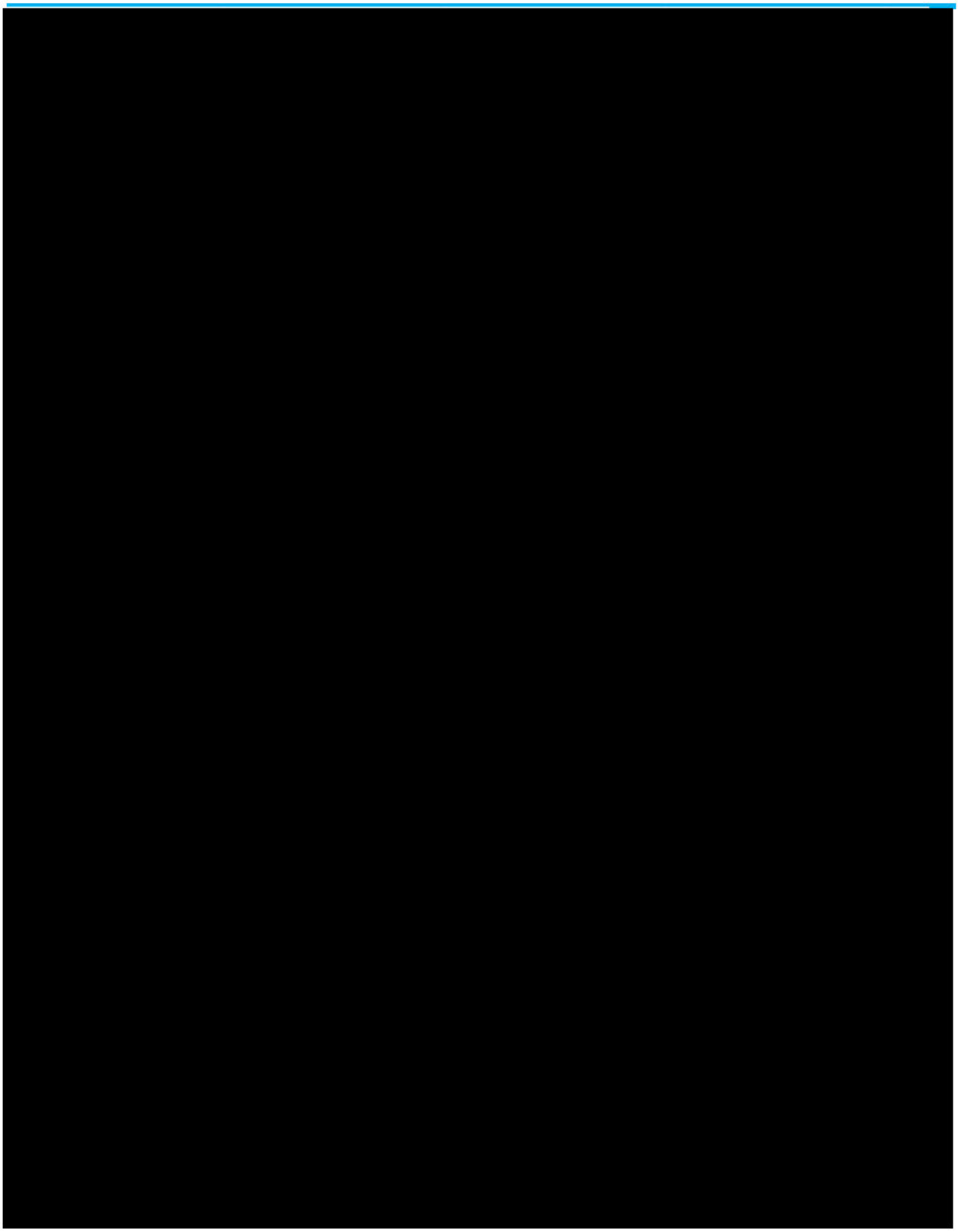
Status	Type / SysID	Street / Cross St	Structure / Town	[redacted]	Cust	Notes
Existing	[redacted]	FRANKLIN DR MARION AVE	TORRINGTON	[redacted]	2353	
Existing	[redacted]	FRANKLIN DR MARION AVE	TORRINGTON	[redacted]	1497	

Reliability Projection

Title:

Outage Start Date: 3/21/2019 Outage End Date: 3/21/2023 Years History: 4.00

[redacted]



Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01580

Franklin Dr.-[redacted] Normal Overload Proj.

Design Alternative CD01580-04

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$195,475
Contingency Amount:	$46,914
Estimate:	$242,389
Reimbursement:	$0
Net Amount:	**$242,389**
Description:	ENG Estimate for Cable Replacement @ MH# 3 - MH# 4

Item Description	CU	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	23-ALL17	$13,687.44
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18	$19,613.00
OTHER OTHER Added Cost for [redacted] PILC Removal @ $20/ft	23-ALL14	$5,900.00
OTHER OTHER Contractor Adder @ 30%	23-ALL14	$45,110.00
DB CABLE DB/UG - #1 - 1/C (1ph) Al Inst - 4/0 Bare Copper Neutral UG Cable	23-UG111	$5,522.40
UG CABLE DB/UG - 750/1000 - 3-1/C (3ph) Cu Inst. - 750 MCM Cu 15kV ERP UG Cable	23-UG114B	$73,632.00
UG CABLE UG - Cable Removal - all cables Rmv - 4/0 Bare Copper Neutral UG Cable	23-UG117	$7,670.00
UG CABLE UG - Cable Removal - all cables Rmv. [redacted] - 750 MCM Cu 15kV ERP UG Cable, Rmv. 1B10 - 500 M	23-UG117	$15,340.00
OTHER OTHER	23-ALL14	$9,000.00

Asset & Investment Management System 10/5/2023 Page 17 of 21

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01580

Franklin Dr.-[redacted] Normal Overload Proj.

Design Alternative CD01580-04

Tagging and Roding Conduit 6 @ $1500

Associated / Impacted Devices

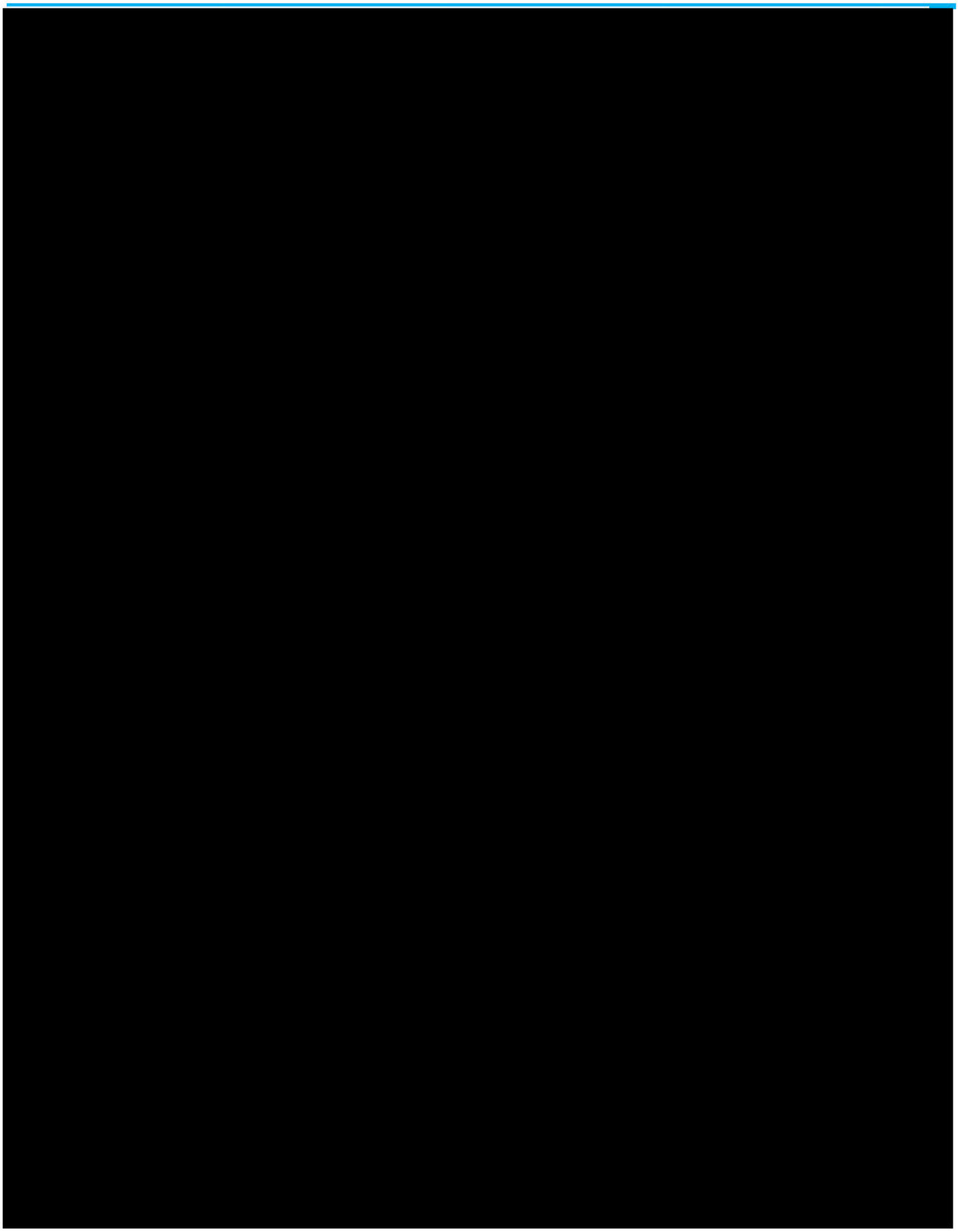
Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]	FRANKLIN DR MARION AVE	TORRINGTON	[redacted]		2353	
Existing		FRANKLIN DR MARION AVE	TORRINGTON			1497	

Reliability Projection

Title:

Outage Start Date: 3/21/2019 Outage End Date: 3/21/2023 Years History: 4.00

[redacted]



Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01580

Franklin Dr.- [redacted] Normal Overload Proj.

Design Alternative CD01580-05

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$109,751
Contingency Amount:	$26,340
Estimate:	$136,092
Reimbursement:	$0
Net Amount:	**$136,092**
Description:	ENG Estimate for Cable Replacement @ MH# 5 - MH# 6

Item Description	CU	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	23-ALL17	$4,562.48
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18	$11,012.00
UG CABLE UG - Cable Removal - all cables	23-UG117	$9,750.00
UG CABLE DB/UG - 750/1000 - 3-1/C (3ph) Cu 750 MCM Cu 15kV ERP UG Cable	23-UG114B	$46,800.00
OTHER OTHER Added Cost for [redacted] PILC Removal @ $20/ft	23-ALL14	$6,300.00
OTHER OTHER Cleaning Manholes	23-ALL14	$3,000.00
OTHER OTHER Contractor Adder @ 30%	23-ALL14	$25,327.00
OTHER OTHER Tagging and Roding Conduit 2 @ $1500	23-ALL14	$3,000.00

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01580

Franklin Dr.- 1B08 Normal Overload Proj.

Design Alternative CD01580-05

Associated / Impacted Devices

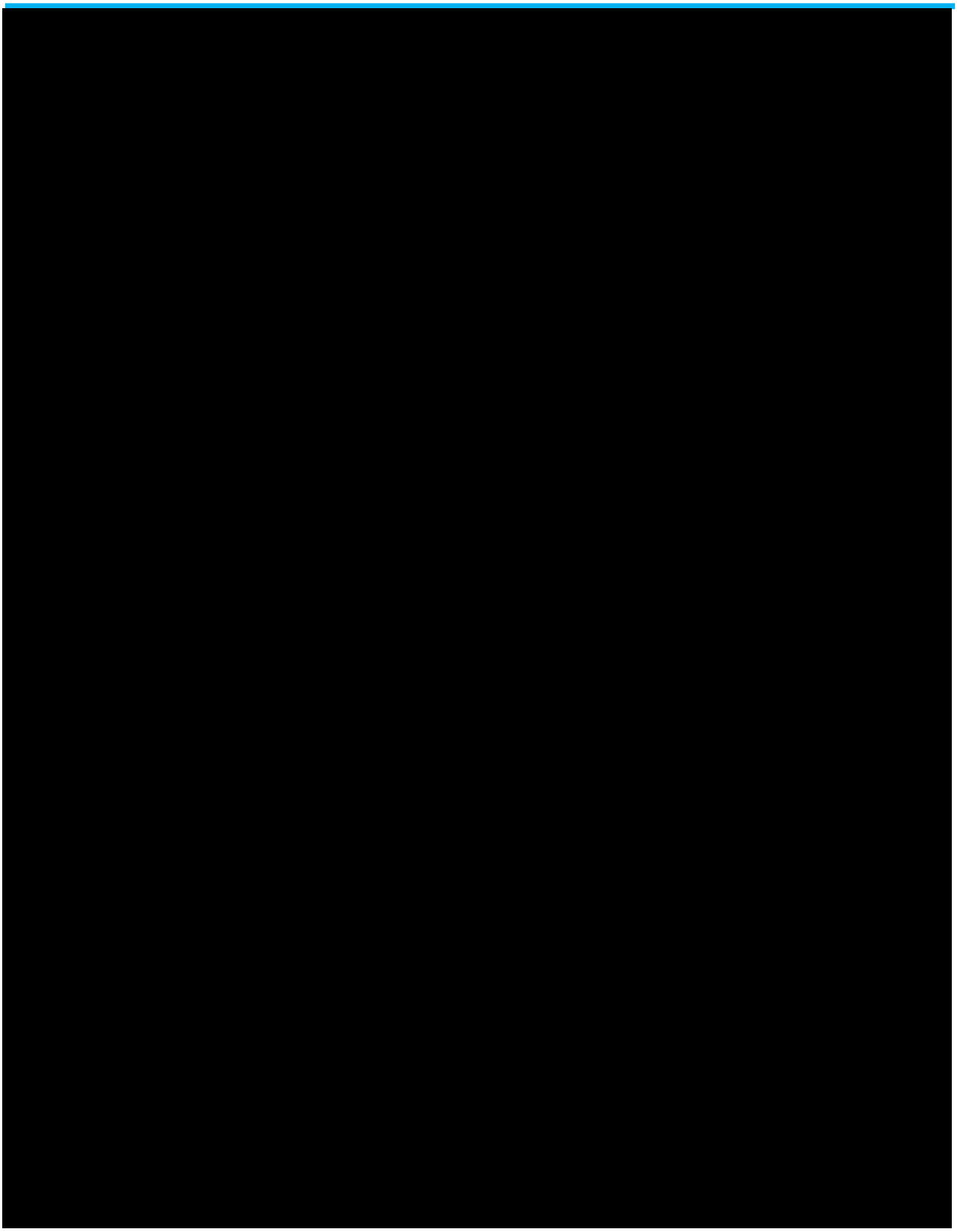
Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]	FRANKLIN DR MARION AVE	TORRINGTON	[redacted]		2353	

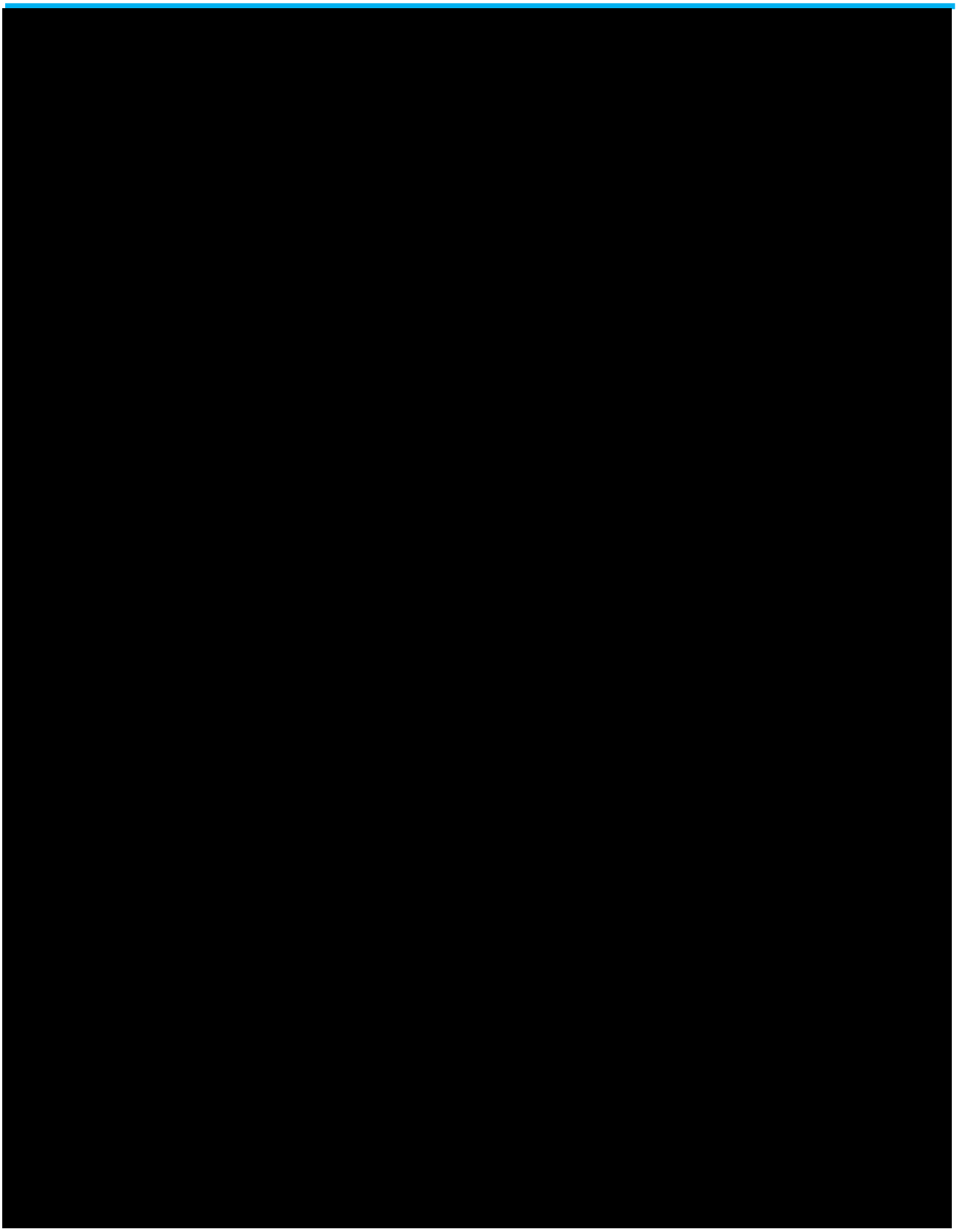
Reliability Projection

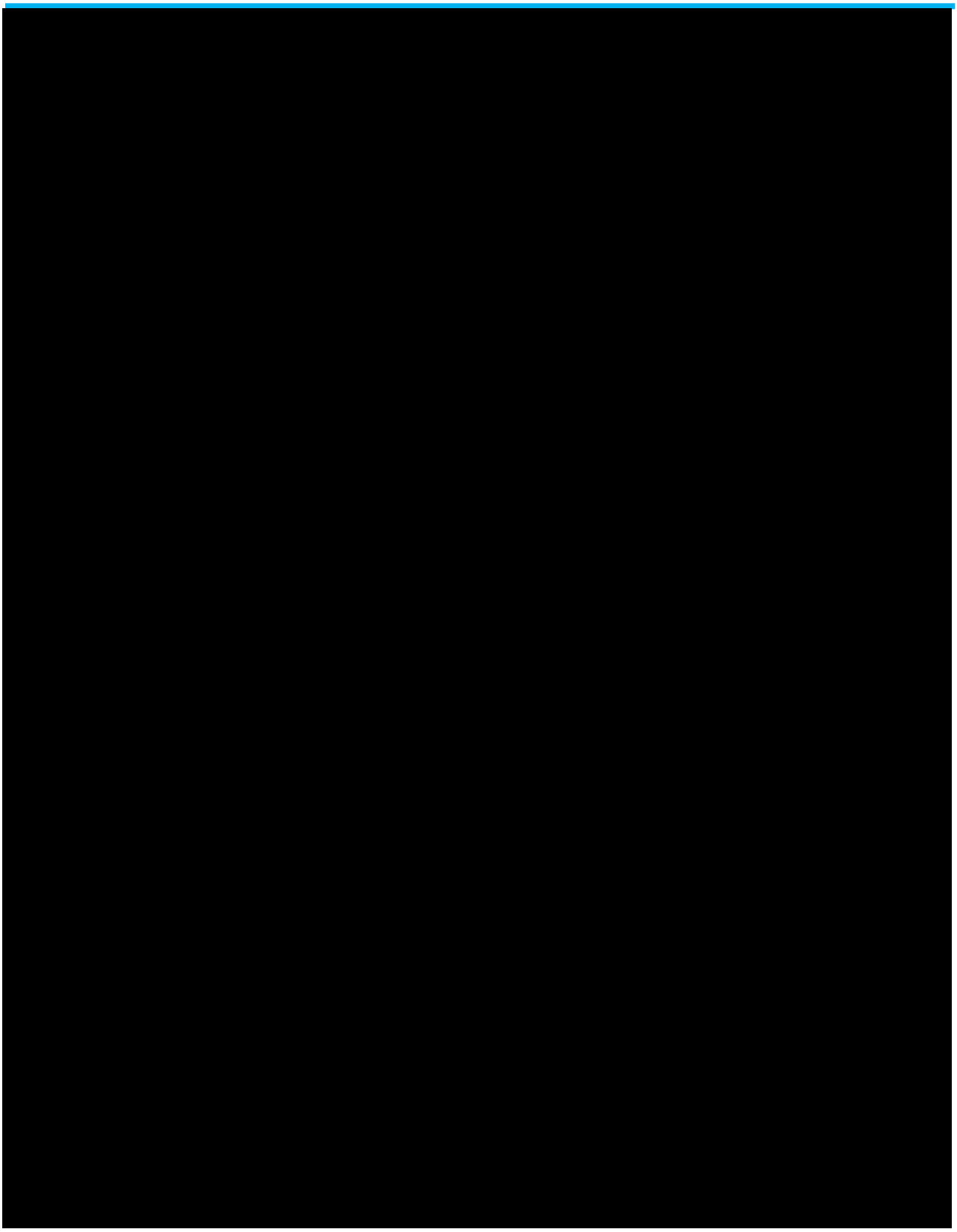
Title:

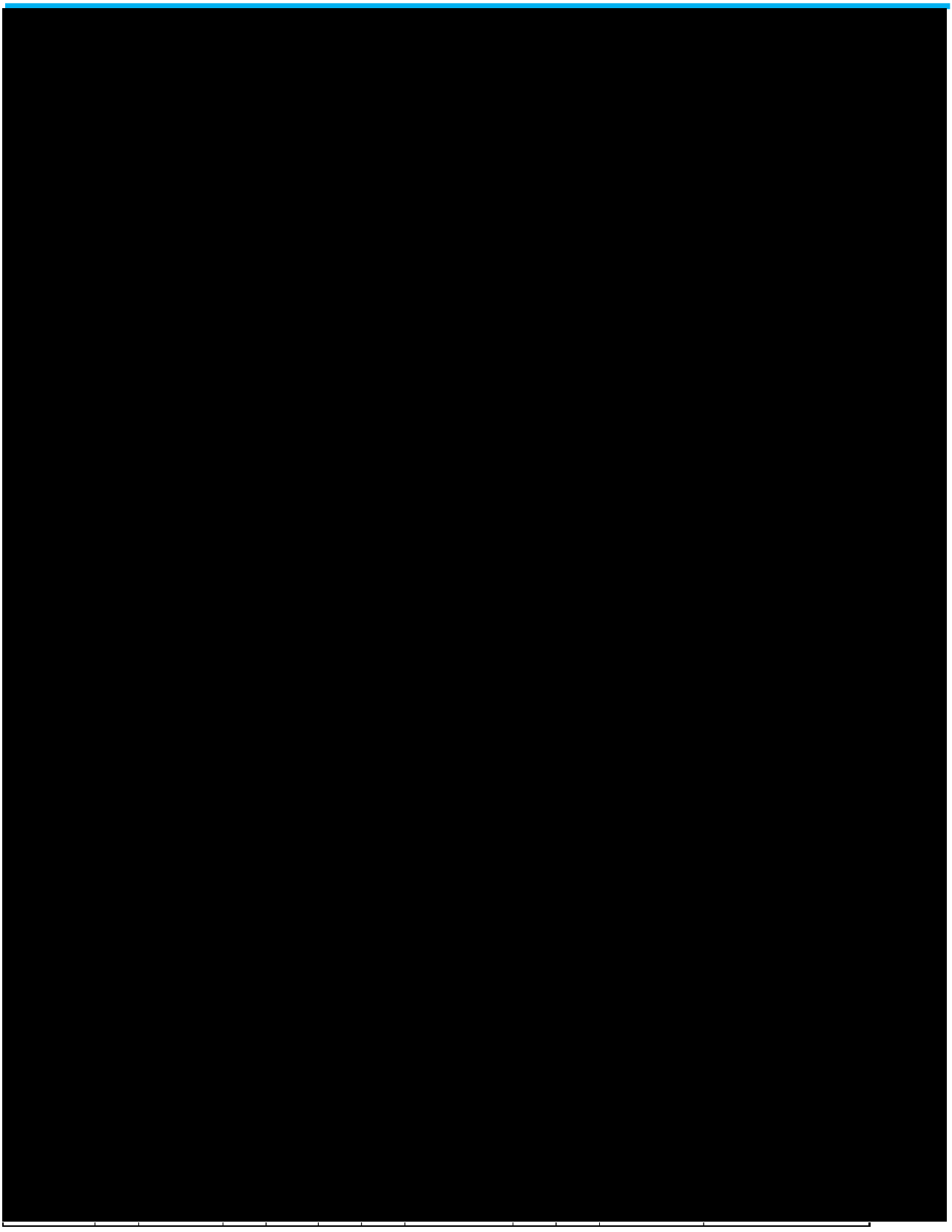
Outage Start Date: 3/21/2015 Outage End Date: 3/20/2023 Years History: 8.00

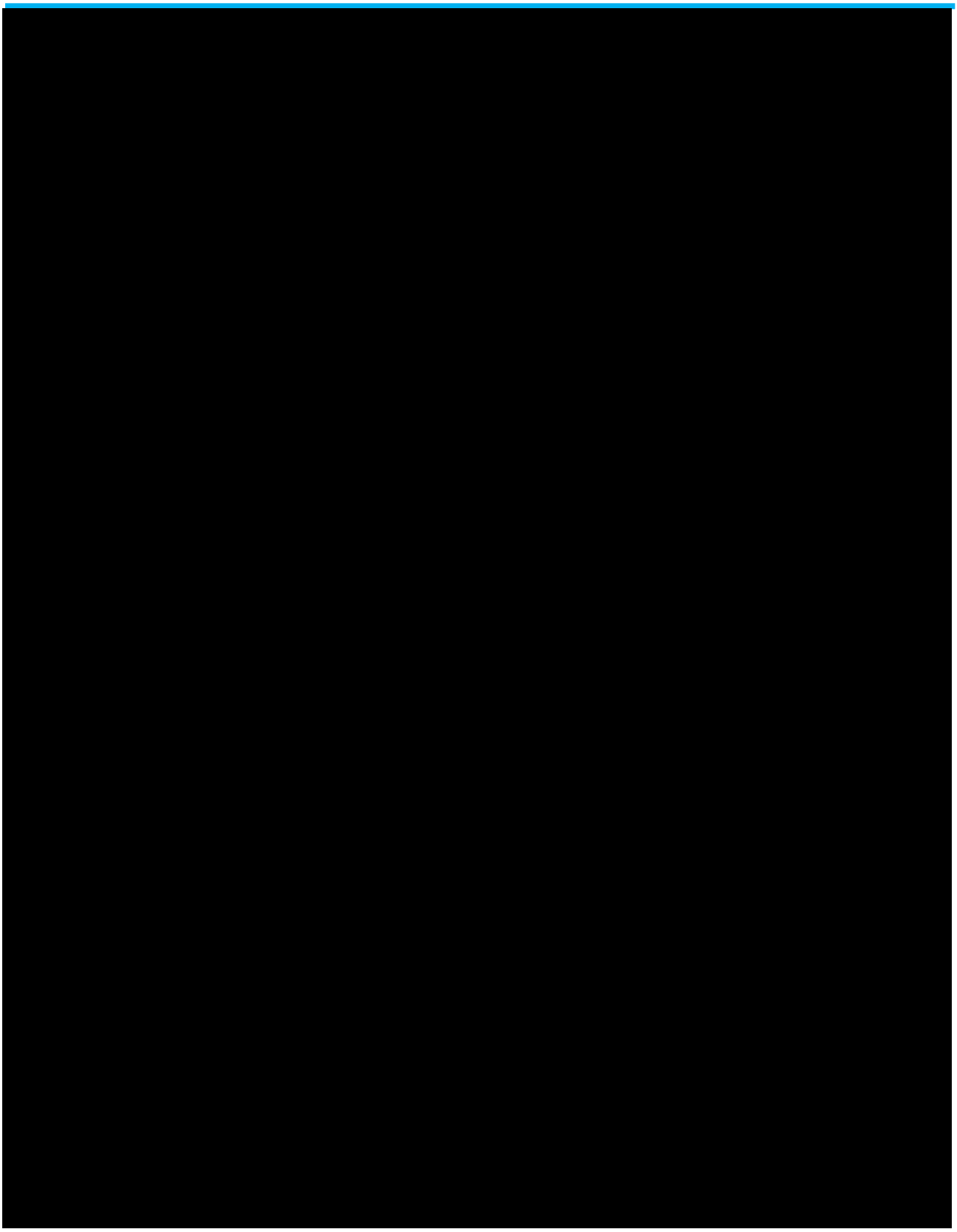
[redacted]











Attachment F: Conduit Photo's





Conduit Photo's





