Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Work Classification

Category: Line
Type: SRSE
Type Desc: STRUCTURAL AND ELECTRICAL
Work Type:

Ownership / Management

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

Project Information

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

Budget Summary - Preferred Option

2016

ID	Title	Status	Rev #	Contingency	2016 Expenditure Amount	Net Estimate
38	New [redacted] to Roxbury	Prelim	0	40 %	$4,116,053	$4,116,053
				2016 Total:	**$4,116,053**	**$4,116,053**
				Total Project:	**$4,116,053**	**$4,116,053**

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	All Segments	1,2,3,4,5,6,7,8,9,10,11,12,14,16,18,19,21,23,25,27,28,29,30,31,32,33,34,35	$9,005,209	$1,666,775	81 %	$181.44	$5.55	☐
O2	Segs27, 28, 29,30,32,33 for 2015 - Segs 36 for 2016	27,28,29,30, 32,33	$3,452,737	$1,666,775	52 %	$67.05	$3.48	☐
O3	Partial ACT	27,28,29,30	$1,422,026	$1,666,775	17 %	$42.93	$1.92	☐
O4	2016	38	$4,116,053	$0	100 %	$0.00	$0.00	☑

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	[redacted]	$465,223			$0.00	$0.36
2		$748,886			$165.50	$3.78
3		$457,523			$714.99	$5.97
4		$77,339			$8.27	$8.27
5		$829,907			$277.29	$15.30
6		$251,863			$31.45	$2.47
7		$137,088			$62.80	$62.80
8		$325,060			$0.00	$0.00
9		$280,686			$76.67	$5.38
10		$548,260			$0.00	$25.70
11		$119,995			$43.45	$43.45
12		$33,226			$78.24	$3.79
13		$0			$0.00	$0.00
14		$9,839			$0.00	$2.91
15		$0			$0.00	$0.00
16		$443,443			$347.80	$347.80
17		$0			$0.00	$0.00
18		$47,411			$0.00	$0.00
19		$105,140			$0.00	$0.00
20		$0			$0.00	$0.00

21	[redacted]	$58,689			$0.00	$0.00
22		$0			$0.00	$0.00
23		$328,228			$0.00	$0.00
24		$0			$0.00	$0.00
25		$51,187			$0.00	$0.00
26		$0			$0.00	$0.00
27		$264,511	$307,849	16 %	$64.48	$0.98
28		$355,341	$540,228	52 %	$1,345.22	$4.96
29		$530,621	$548,155	3 %	$26.75	$2.06
30		$271,554	$270,543	0 %	$30.32	$1.95
31		$124,105			$40.43	$1.11
32		$1,032,226			$72.05	$5.48
33		$998,485			$245.65	$15.26
34		$25,823			$0.00	$2.02
35		$83,551			$0.00	$0.00
36		$2,537,504			$0.00	$0.00
37		$2,781,402			$0.00	$0.00
38		$4,116,053			$0.00	$0.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Background / Scope

Issue:

Project Description:

Other Considerations:

Revision / ACT Comments:

If we don't do this project, what will happen?

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: Approx. Pole Count (NU):

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

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: [redacted] Requestor Type:

Customer Type: State Highway Project #:

Request Number: Route #:

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-01

General Information

Segment: [redacted]

Status: Prelim Design Submitted

Segment Type: STRUCTURAL HARDENING

Town: BETHLEHEM

Budget Year: 2015

Work Type: BB-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted].

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
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Design Alternative CD00313-01

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$375,180
Contingency Amount:	$90,043
Estimate:	$465,223
Reimbursement:	$0
Net Amount:	**$465,223**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$20,000.00
POLE OH - POLE - 3ph (Telephone custodian)	14-OH12			$200,000.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$8,000.00
INSULATOR OH - Spacer Cable Spreaders	14-OH18			$16,830.00
SECTIONALIZE OH - Cutouts or Arresters - 3ph	14-OH20			$5,620.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$28,305.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22			$35,000.00
SECTIONALIZE OH-Vertical Disco Switch 600/900 amp 3-1ph	14-OH43			$12,480.00
TREE OH - Tree Trimming	14-OH61			$37,500.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-01

INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arresters	14-OH15	[redacted]	$3,525.00
INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arresters	14-OH16		$7,920.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					4202	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative CD00313-02

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: BETHLEHEM

Budget Year: 2015

Work Type: BB-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
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Design Alternative CD00313-02

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$603,940
Contingency Amount:	$144,946
Estimate:	$748,886
Reimbursement:	$0
Net Amount:	**$748,886**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$45,000.00
POLE OH - POLE - 3ph (CL&P custodian)	14-OH14			$408,600.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$3,200.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$19,980.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22			$21,000.00
SECTIONALIZE OH-Vertical Disco Switch 600/900 amp 3-1ph	14-OH43			$24,960.00
TREE OH - Tree Trimming	14-OH61			$36,000.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arresters	14-OH15			$4,230.00
INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arresters	14-OH16			$2,970.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-02

OTHER OTHER Coleman Drilling (ledge area)	14-ALL14	[redacted]	$38,000.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					1743	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-03

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: BETHLEHEM

Budget Year: 2015

Work Type: BB-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major	Minor
1	[redacted]	
2		
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11		

Design Alternative CD00313-03

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$368,970
Contingency Amount:	$88,553
Estimate:	$457,523
Reimbursement:	$0
Net Amount:	**$457,523**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$24,000.00
POLE OH - POLE - 3ph (CL&P custodian)	14-OH14			$181,600.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$4,800.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$46,035.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$18,315.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22			$52,500.00
TREE OH - Tree Trimming	14-OH61			$14,500.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arrester	14-OH15			$2,115.00
INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arresters	14-OH16			$5,940.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-03

OTHER OTHER Coleman Drilling (ledge area)	14-ALL14	[redacted]	$17,500.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph XFRM	14-OH19		$1,665.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					475	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative CD00313-04

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: MORRIS

Budget Year: 2015

Work Type: BB-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
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Design Alternative

CD00313-04

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$62,370
Contingency Amount:	$14,969
Estimate:	$77,339
Reimbursement:	$0
Net Amount:	**$77,339**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$8,000.00
POLE OH - POLE - 3ph (Telephone custodian)	14-OH12			$25,000.00
POLE OH - POLE - 3ph (CL&P custodian)	14-OH14			$5,675.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$1,705.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22			$17,500.00
TREE OH - Tree Trimming	14-OH61			$3,000.00
INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arresters	14-OH16			$990.00
OTHER OTHER Coleman Drilling	14-ALL14			$500.00

Design Alternative CD00313-04

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					1074	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-05

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: MORRIS

Budget Year: 2015

Work Type: BB-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
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11			
12			

Design Alternative

CD00313-05

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$669,280
Contingency Amount:	$160,627
Estimate:	$829,907
Reimbursement:	$0
Net Amount:	**$829,907**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$28,000.00
POLE OH - POLE - 3ph (CL&P custodian)	14-OH14			$340,500.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$19,200.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$22,165.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph	14-OH19			$3,330.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$6,660.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22			$14,000.00
OH WIRE OH - Reconductor w/ 175 Mil Tree Wire - 3ph -336 k	14-OH26B			$127,500.00
TREE OH - Tree Trimming	14-OH61			$46,500.00

Design Alternative CD00313-05

INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arrester	14-OH15	[redacted]	$2,820.00
INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arrester	14-OH16		$4,950.00
OTHER OTHER Coleman Drilling	14-ALL14		$42,000.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFRM	14-OH19		$11,655.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					73	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-06

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: MORRIS

Budget Year: 2015

Work Type: BB-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
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10			
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Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$203,115
Contingency Amount:	$48,748
Estimate:	$251,863
Reimbursement:	$0
Net Amount:	**$251,863**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$10,000.00
POLE OH - POLE - 3ph (Telephone custodian)	14-OH12			$35,000.00
POLE OH - POLE - 3ph (CL&P custodian)	14-OH14			$39,725.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$9,600.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$46,035.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$8,325.00
SECTIONALIZE OH-Vertical Disco Switch 600/900 amp 3-1ph	14-OH43			$37,440.00
TREE OH - Tree Trimming	14-OH61			$6,500.00
INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arrester	14-OH16			$990.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-06

OTHER OTHER Coleman Drilling	14-ALL14	[redacted]	$9,500.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					541	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-07

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: BETHLEHEM

Budget Year: 2015

Work Type: BB-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major	Minor
1	[redacted]	
2		
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Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$110,555
Contingency Amount:	$26,533
Estimate:	$137,088
Reimbursement:	$0
Net Amount:	**$137,088**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$12,000.00
POLE OH - POLE - 3ph (CL&P custodian)	14-OH14			$56,750.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$2,400.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$3,410.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph	14-OH19			$1,665.00
SECTIONALIZE OH - Cutouts or Arresters - 3ph	14-OH20			$2,810.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$3,330.00
TREE OH - Tree Trimming	14-OH61			$15,000.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arrester	14-OH15			$705.00

Design Alternative CD00313-07

INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arrester	14-OH16	[redacted]	$990.00
OTHER OTHER Coleman Drilling	14-ALL14		$6,500.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19		$4,995.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					160	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Design Alternative CD00313-08

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: MORRIS

Budget Year: 2015

Work Type: BB-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
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Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$262,145
Contingency Amount:	$62,915
Estimate:	$325,060
Reimbursement:	$0
Net Amount:	**$325,060**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$26,000.00
POLE OH - POLE - 3ph (Telephone custodian)	14-OH12			$165,000.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$2,400.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$3,410.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph	14-OH19			$8,325.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$11,655.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22			$17,500.00
TREE OH - Tree Trimming	14-OH61			$16,500.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arresters	14-OH15			$4,230.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-08

INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arresters	14-OH16	[redacted]	$3,960.00
OTHER OTHER Coleman Drilling	14-ALL14		$1,500.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19		$1,665.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					443	

Reliability Projection

Title:

Outage Start Date: 01/01/2007 Outage End Date: 04/14/2014 Years History: 7.29

[redacted]

Design Alternative

CD00313-09

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: MORRIS

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted].

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
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Design Alternative

CD00313-09

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$226,360
Contingency Amount:	$54,326
Estimate:	$280,686
Reimbursement:	$0
Net Amount:	**$280,686**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$34,000.00
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11			$128,700.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$2,400.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$13,640.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph	14-OH19			$1,665.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$8,325.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22			$7,000.00
TREE OH - Tree Trimming	14-OH61			$21,000.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arresters	14-OH15			$2,820.00

Design Alternative

CD00313-09

INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arresters	14-OH16	[redacted]	$1,980.00
OTHER OTHER Coleman Drilling	14-ALL14		$1,500.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19		$3,330.00

Associated / Impacted Devices

Status	T[redacted]	Notes
Existing		

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-10

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: ELECTRICAL HARDENING

Town: BETHLEHEM

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
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11			

Design Alternative CD00313-10

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$442,145
Contingency Amount:	$106,115
Estimate:	$548,260
Reimbursement:	$0
Net Amount:	**$548,260**
Description:	

Item Description	CU	$ / Per	Qty	Amount
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11	[redacted]		$45,760.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$23,310.00
OH WIRE OH-Reconductor w/175 Mil Tree Wire-1ph(any gauge)	14-OH25			$237,000.00
OH WIRE OH - Neutral	14-OH31			$71,100.00
TREE OH - Tree Trimming	14-OH61			$40,000.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19			$24,975.00

Associated / Impacted Devices

Status		Notes
Existing	[redacted]	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative CD00313-11

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: ELECTRICAL HARDENING

Town: BETHLEHEM

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Design Alternative CD00313-11

Estimate

Preliminary Estimate Summary

Revision Number:	1
Contingency:	24.00 %
SubTotal:	$96,770
Contingency Amount:	$23,225
Estimate:	$119,995
Reimbursement:	$0
Net Amount:	**$119,995**
Description:	

Item Description	CU	$ / Per	Qty	Amount
OTHER OTHER	13-ALL14	[redacted]		$500.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18			$1,200.00
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11			$17,160.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$6,660.00
OH WIRE OH-Reconductor w/175 Mil Tree Wire-1ph(any gauge)	14-OH25			$69,750.00
TREE OH - Tree Trimming	14-OH61			$1,500.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					102	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-12

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: MORRIS

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Design Alternative CD00313-12

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$26,795
Contingency Amount:	$6,431
Estimate:	$33,226
Reimbursement:	$0
Net Amount:	**$33,226**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$5,000.00
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11			$14,300.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$3,330.00
TREE OH - Tree Trimming	14-OH61			$2,500.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19			$1,665.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					149	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-13

General Information

Segment: 13 - DELETE - DUPLICATE
Status: Draft
Segment Type: STRUCTURAL HARDENING
Town: BETHANY
Budget Year: 2015
Work Type: LT-Rehab
Trimming Required: ☐
In Service Date: 12/31/2015
Description:

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00 %
SubTotal:	$0
Contingency Amount:	$0
Estimate:	$0
Reimbursement:	$0
Net Amount:	**$0**
Description:	

Item Description	CU	$ / Per	Qty	Amount

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-14

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: MORRIS

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Design Alternative CD00313-14

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$7,935
Contingency Amount:	$1,904
Estimate:	$9,839
Reimbursement:	$0
Net Amount:	**$9,839**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$1,500.00
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11			$2,860.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$1,665.00
TREE OH - Tree Trimming	14-OH61			$500.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arresters	14-OH15			$1,410.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					124	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-15

General Information

Segment: 15 - DELETE - DUPLICATE
Status: Draft
Segment Type: STRUCTURAL HARDENING
Town: BETHLEHEM
Budget Year: 2015
Work Type: LT-Rehab
Trimming Required: ☐
In Service Date: 12/31/2015
Description: DELETE - DUPLICATE

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Design Alternative

CD00313-15

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00 %
SubTotal:	$0
Contingency Amount:	$0
Estimate:	$0
Reimbursement:	$0
Net Amount:	**$0**
Description:	

Item Description	CU	$ / Per	Qty	Amount

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative CD00313-16

General Information

Segment: [redacted] Status: Revision Prelim Design

Segment Type: ELECTRICAL HARDENING Town: MORRIS Budget Year: 2015

Work Type: LT-Rehab Trimming Required: ☐ In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			
9			
10			

Design Alternative

CD00313-16

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$357,615
Contingency Amount:	$85,828
Estimate:	$443,443
Reimbursement:	$0
Net Amount:	**$443,443**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$22,000.00
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11			$51,480.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph	14-OH19			$3,330.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$13,320.00
OH WIRE OH-Reconductor w/175 Mil Tree Wire-1ph(any gauge)	14-OH25			$183,000.00
OH WIRE OH - Neutral	14-OH31			$54,900.00
TREE OH - Tree Trimming	14-OH61			$7,000.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arresters	14-OH15			$4,935.00
OTHER OTHER Coleman Drilling	14-ALL14			$1,000.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-16

SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19	[redacted]	$16,650.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					106	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-17

General Information

Segment: 17 - DELETE - DUPLICATE
Status: Draft
Segment Type: STRUCTURAL HARDENING
Town: BETHLEHEM
Budget Year: 2015
Work Type: LT-Rehab
Trimming Required: ☐
In Service Date: 12/31/2015
Description: DELETE - DUPLICATE

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Design Alternative

CD00313-17

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00 %
SubTotal:	$0
Contingency Amount:	$0
Estimate:	$0
Reimbursement:	$0
Net Amount:	**$0**
Description:	

Item Description	CU	$ / Per	Qty	Amount

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-18

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: BETHLEHEM

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
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6			
7			
8			
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11			

Design Alternative CD00313-18

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$38,235
Contingency Amount:	$9,176
Estimate:	$47,411
Reimbursement:	$0
Net Amount:	**$47,411**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$6,000.00
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11			$14,300.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph	14-OH19			$3,330.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$6,660.00
TREE OH - Tree Trimming	14-OH61			$2,500.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arresters	14-OH15			$2,115.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19			$3,330.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					85	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Design Alternative

CD00313-19

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: BETHLEHEM

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major	Minor
1	[redacted]	
2		
3		
4		
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7		
8		
9		
10		
11		

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$84,790
Contingency Amount:	$20,350
Estimate:	$105,140
Reimbursement:	$0
Net Amount:	**$105,140**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$8,000.00
POLE OH - POLE - 3ph (CL&P custodian)	14-OH14			$34,050.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$3,200.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$1,705.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph	14-OH19			$4,995.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$3,330.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22			$10,500.00
TREE OH - Tree Trimming	14-OH61			$3,000.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arrester	14-OH15			$705.00

Design Alternative CD00313-19

INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arresters	14-OH16	[redacted]	$1,980.00
OTHER OTHER Coleman Drilling	14-ALL14		$5,000.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19		$8,325.00

Associated / Impacted Devices

Status		Cust	Notes
Existing	[redacted]	177	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-20

General Information

Segment: 20 - DELETE - DUPLICATE
Status: Draft
Segment Type: STRUCTURAL HARDENING
Town: MORRIS
Budget Year: 2015
Work Type: LT-Rehab
Trimming Required: ☐
In Service Date: 12/31/2015
Description: DELETE - DUPLICATE

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Design Alternative

CD00313-20

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00 %
SubTotal:	$0
Contingency Amount:	$0
Estimate:	$0
Reimbursement:	$0
Net Amount:	**$0**
Description:	

Item Description	CU	$ / Per	Qty	Amount

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-21

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: MORRIS

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
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9			
10			
11			

Design Alternative

CD00313-21

Estimate

Preliminary Estimate Summary

Revision Number:	1
Contingency:	24.00 %
SubTotal:	$47,330
Contingency Amount:	$11,359
Estimate:	$58,689
Reimbursement:	$0
Net Amount:	**$58,689**

Description:

Item Description	CU	$ / Per	Qty	Amount
OTHER OTHER	14-ALL14	[redacted]		$3,000.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18			$4,000.00
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11			$11,440.00
POLE OH - POLE - 1ph (CL&P custodian)	14-OH13			$7,000.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$3,200.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$8,325.00
TREE OH - Tree Trimming	14-OH61			$3,000.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arrester	14-OH15			$705.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19			$6,660.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative CD00313-21

Associated / Impacted Devices

Status		Cust	Notes
Existing	[redacted]	135	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-22

General Information

Segment: 22 - DELETE - DUPLICATE
Status: Draft
Segment Type: STRUCTURAL HARDENING
Town: MORRIS
Budget Year: 2015
Work Type: LT-Rehab
Trimming Required: ☐
In Service Date: 12/31/2015
Description: DELETE - DUPLICATE

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00 %
SubTotal:	$0
Contingency Amount:	$0
Estimate:	$0
Reimbursement:	$0
Net Amount:	**$0**
Description:	

Item Description	CU	$ / Per	Qty	Amount

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-23

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: ELECTRICAL HARDENING

Town: BETHLEHEM

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Estimate

Preliminary Estimate Summary

Revision Number:	1
Contingency:	24.00 %
SubTotal:	$264,700
Contingency Amount:	$63,528
Estimate:	$328,228
Reimbursement:	$0
Net Amount:	**$328,228**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$18,000.00
POLE OH - POLE - 1ph (CL&P custodian)	14-OH13			$42,000.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$14,985.00
OH WIRE OH-Reconductor w/175 Mil Tree Wire-1ph(any gauge)	14-OH25			$147,000.00
TREE OH - Tree Trimming	14-OH61			$5,000.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arresters	14-OH15			$4,230.00
OTHER OTHER Coleman Drilling	14-ALL14			$18,500.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19			$14,985.00

Design Alternative

CD00313-23

Associated / Impacted Devices

Status		Cust	Notes
Existing	[redacted]	145	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-24

General Information

Segment: 24 - DELETE - DUPLICATE
Status: Draft
Segment Type: STRUCTURAL HARDENING
Town: BETHLEHEM
Budget Year: 2015
Work Type: LT-Rehab
Trimming Required: ☐
In Service Date: 12/31/2015
Description: DELETE - DUPLICATE

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Design Alternative

CD00313-24

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00 %
SubTotal:	$0
Contingency Amount:	$0
Estimate:	$0
Reimbursement:	$0
Net Amount:	**$0**
Description:	

Item Description	CU	$ / Per	Qty	Amount

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-25

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: BETHLEHEM

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Design Alternative

CD00313-25

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$41,280
Contingency Amount:	$9,907
Estimate:	$51,187
Reimbursement:	$0
Net Amount:	**$51,187**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$4,500.00
POLE OH - POLE - 3ph (Telephone custodian)	14-OH12			$20,000.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$800.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$6,820.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$4,995.00
TREE OH - Tree Trimming	14-OH61			$2,000.00
OTHER OTHER Coleman Drilling	14-ALL14			$500.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19			$1,665.00

Design Alternative CD00313-25

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					263	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Design Alternative

CD00313-26

General Information

Segment: 26 - DELETE - DUPLICATE
Status: Draft
Segment Type: STRUCTURAL HARDENING
Town: MORRIS
Budget Year: 2015
Work Type: LT-Rehab
Trimming Required: ☐
In Service Date: 12/31/2015
Description: DELETE - DUPLICATE

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Design Alternative

CD00313-26

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00 %
SubTotal:	$0
Contingency Amount:	$0
Estimate:	$0
Reimbursement:	$0
Net Amount:	**$0**
Description:	

Item Description	CU	$ / Per	Qty	Amount

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Segment CD00313-27

General Information

Segment: [redacted]

Status: Detail Design Submitted

Segment Type: STRUCTURAL HARDENING

Town: WASHINGTON

Budget Year: 2015

Work Type: BB-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
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9			
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11			
12			

Segment CD00313-27

Estimate

	Preliminary Estimate Summary	Construction (ACT) Estimate Summary	Variance	
Revision Number:	1	0		
Contingency:	24.00 %	16.00 %		
SubTotal:	$213,315	$265,387	$52,072	24 %
Contingency Amount:	$51,196	$42,462	($8,734)	17 %
Estimate:	$264,511	$307,849	$43,338	16 %
Reimbursement:	$0	$0	$0	
Net Amount:	**$264,511**	**$307,849**	**$43,338**	**16 %**
Description:				

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$10,000.00
POLE OH - POLE - 3ph (Telephone custodian)	14-OH12			$30,000.00
POLE OH - POLE - 3ph (CL&P custodian)	14-OH14			$73,775.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$4,000.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$30,690.00
INSULATOR OH - Spacer Cable Spreaders	14-OH18			$8,910.00
SECTIONALIZE OH - Cutouts or Arresters - 3ph	14-OH20			$5,620.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$3,330.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22			$35,000.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Segment			CD00313-27
TREE OH - Tree Trimming	14-OH61	[redacted]	$4,500.00
INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arresters	14-OH16		$990.00
OTHER OTHER Coleman Drilling	14-ALL14		$6,500.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					1348	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Segment CD00313-28

General Information

Segment: [redacted]
Status: Detail Design Submitted
Segment Type: STRUCTURAL HARDENING
Town: WASHINGTON
Budget Year: 2015
Work Type: BB-Rehab
Trimming Required: ☐
In Service Date: 12/31/2015
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
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8			
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11			

Segment CD00313-28

Estimate

	Preliminary Estimate Summary	Construction (ACT) Estimate Summary	Variance	
Revision Number:	1	0		
Contingency:	24.00 %	16.00 %		
SubTotal:	$286,565	$465,714	$179,149	63 %
Contingency Amount:	$68,776	$74,514	$5,739	8 %
Estimate:	$355,341	$540,228	$184,888	52 %
Reimbursement:	$0	$0	$0	
Net Amount:	**$355,341**	**$540,228**	**$184,888**	**52 %**

Description:

Item Description	CU	$ / Per	Qty	Amount
OTHER OTHER	14-ALL14	[redacted]	[redacted]	$12,000.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]	[redacted]	$15,000.00
POLE OH - POLE - 3ph (Telephone custodian)	14-OH12	[redacted]	[redacted]	$85,000.00
POLE OH - POLE - 3ph (CL&P custodian)	14-OH14	[redacted]	[redacted]	$90,800.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B	[redacted]	[redacted]	$4,800.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A	[redacted]	[redacted]	$23,870.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21	[redacted]	[redacted]	$1,665.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22	[redacted]	[redacted]	$17,500.00
SECTIONALIZE OH-Vertical Disco Switch 600/900 amp 3-1ph	14-OH43	[redacted]	[redacted]	$24,960.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Segment			CD00313-28
TREE OH - Tree Trimming	14-OH61	[redacted]	$8,000.00
INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arresters	14-OH16		$2,970.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					243	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Segment CD00313-29

General Information

Segment: [redacted]
Status: Detail Design Submitted
Segment Type: STRUCTURAL HARDENING
Town: ROXBURY
Budget Year: 2015
Work Type: BB-Rehab
Trimming Required: ☐
In Service Date: 09/30/2015
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Segment CD00313-29

Estimate

	Preliminary Estimate Summary	Construction (ACT) Estimate Summary	Variance	
Revision Number:	1	0		
Contingency:	24.00 %	16.00 %		
SubTotal:	$427,920	$472,547	$44,627	10 %
Contingency Amount:	$102,701	$75,608	($27,093)	26 %
Estimate:	$530,621	$548,155	$17,534	3 %
Reimbursement:	$0	$0	$0	
Net Amount:	**$530,621**	**$548,155**	**$17,534**	**3 %**
Description:				

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$34,000.00
POLE OH - POLE - 3ph (Telephone custodian)	14-OH12			205,000.00
POLE OH - POLE - 3ph (CL&P custodian)	14-OH14			$56,750.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$4,800.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$52,855.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$11,655.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22			$31,500.00
SECTIONALIZE OH-Vertical Disco Switch 600/900 amp 3-1ph	14-OH43			$12,480.00
TREE OH - Tree Trimming	14-OH61			$4,500.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Segment			CD00313-29
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arresters	14-OH15	[redacted]	$1,410.00
INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arresters	14-OH16		$2,970.00
OTHER OTHER Coleman Drilling	14-ALL14		$10,000.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					892	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Segment CD00313-30

General Information

Segment: [redacted]

Status: Detail Design Submitted

Segment Type: STRUCTURAL HARDENING

Town: ROXBURY

Budget Year: 2015

Work Type: BB-Rehab

Trimming Required: ☐

In Service Date: 09/30/2015

Description: [redacted]

Itemized Work List

ID	Major	Minor
1	[redacted]	
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Estimate

	Preliminary Estimate Summary	Construction (ACT) Estimate Summary	Variance	
Revision Number:	1	0		
Contingency:	24.00 %	16.00 %		
SubTotal:	$218,995	$233,227	$14,232	6 %
Contingency Amount:	$52,559	$37,316	($15,242)	29 %
Estimate:	$271,554	$270,543	($1,010)	0 %
Reimbursement:	$0	$0	$0	
Net Amount:	**$271,554**	**$270,543**	**($1,010)**	**0 %**
Description:				

Item Description	CU	$ / Per	Qty	Amount
OTHER OTHER	13-ALL14	[redacted]		$1,000.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18			$25,000.00
POLE OH - POLE - 3ph (Telephone custodian)	14-OH12			$110,000.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$5,600.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$23,870.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$1,665.00
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts)	14-OH22			$24,500.00
SECTIONALIZE OH-Vertical Disco Switch 600/900 amp 3-1ph	14-OH43			$24,960.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arresters	14-OH15			$1,410.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Segment			CD00313-30
INSULATOR OH - Replace insulators w/ VISE TOP - 3ph Arresters	14-OH16	[redacted]	$990.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					382	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-31

General Information

Segment: [redacted]

Status: Prelim Design Submitted

Segment Type: STRUCTURAL HARDENING

Town: ROXBURY

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

Design Alternative CD00313-31

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$100,085
Contingency Amount:	$24,020
Estimate:	$124,105
Reimbursement:	$0
Net Amount:	**$124,105**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$28,000.00
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11			$34,320.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph	14-OH15			$7,050.00
POLETOP OH - Replace wood xarm with composite xarm - 3ph	14-OH17A			$1,705.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$13,320.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arrester	14-OH15			$705.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMR	14-OH19			$14,985.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					113	

Design Alternative

CD00313-31

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Segment CD00313-32

General Information

Segment: [redacted]

Status: Prelim Design Approved

Segment Type: ELECTRICAL HARDENING

Town: ROXBURY

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 09/30/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$832,440
Contingency Amount:	$199,786
Estimate:	$1,032,226
Reimbursement:	$0
Net Amount:	**$1,032,226**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$10,000.00
POLE OH - POLE - 1ph (CL&P custodian)	14-OH13			$140,000.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$800.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$13,320.00
OH WIRE OH-Reconductor w/175 Mil Tree Wire-1ph(any gauge)	14-OH25			$315,000.00
OH WIRE OH - Reconductor w/ 175 Mil Tree Wire - 3ph -1/0	14-OH26A			$165,000.00
SECTIONALIZE OH - Hydraulic Recloser - 1ph	14-OH40			$8,320.00
TREE OH - Tree Trimming	14-OH61			$117,000.00
OTHER OTHER Coleman Drilling	14-ALL14			$63,000.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Segment CD00313-32

Associated / Impacted Devices

Status	T	Cust	Notes
Existing	[redacted]	235	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Segment CD00313-33

General Information

Segment: [redacted] Status: Prelim Design Approved

Segment Type: ELECTRICAL HARDENING Town: ROXBURY Budget Year: 2015

Work Type: LT-Rehab Trimming Required: ☐ In Service Date: 09/30/2015

Description: [redacted]

Itemized Work List

ID	Major	Minor
1	[redacted]	
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	24.00 %
SubTotal:	$805,230
Contingency Amount:	$193,255
Estimate:	$998,485
Reimbursement:	$0
Net Amount:	**$998,485**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$12,000.00
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11			$102,960.00
OH WIRE OH-Reconductor w/175 Mil Tree Wire-1ph(any gauge)	14-OH25			$64,500.00
OH WIRE OH-Reconductor w/175 Mil Tree Wire-1ph(any gauge)	14-OH25			$306,000.00
OH WIRE OH-Reconductor w/175 Mil Tree Wire-1ph(any gauge)	14-OH25			$42,000.00
OH WIRE OH-Reconductor w/175 Mil Tree Wire-1ph(any gauge)	14-OH25			$46,500.00
EQUIPMENT OH - Regulator - 1ph - on POLE	14-OH47			$20,000.00
TREE OH - Tree Trimming	14-OH61			$10,500.00
XF DB/UG - Padmount XF - 1ph	14-UG130			$19,100.00

Segment CD00313-33

UG CABLE DB - Cable Replacement - 1ph	14-UG151	[redacted]	$69,000.00
UG CABLE DB - Cable Replacement - 1ph	14-UG151		$51,600.00
XF OH - Stepdown - 1ph - on POLE 2 New Steps	14-OH49		$28,700.00
OTHER OTHER Coleman Drilling	14-ALL14		$28,000.00
EQUIPMENT OH - Remove Capacitor, any kVAR Remove 2 Regulators	14-OH54		$4,370.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					154	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-34

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: ROXBURY

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
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11			

Design Alternative CD00313-34

Estimate

Preliminary Estimate Summary

Revision Number:	1
Contingency:	24.00 %
SubTotal:	$20,825
Contingency Amount:	$4,998
Estimate:	$25,823
Reimbursement:	$0
Net Amount:	**$25,823**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$5,000.00
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11			$8,580.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$800.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph	14-OH19			$1,665.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$1,665.00
TREE OH - Tree Trimming	14-OH61			$1,000.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Rubber Ties	14-OH15			$2,115.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					149	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative CD00313-35

General Information

Segment: [redacted]

Status: Revision Prelim Design

Segment Type: STRUCTURAL HARDENING

Town: ROXBURY

Budget Year: 2015

Work Type: LT-Rehab

Trimming Required: ☐

In Service Date: 12/31/2015

Description: [redacted].

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
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Design Alternative

CD00313-35

Estimate

Preliminary Estimate Summary

Revision Number:	1
Contingency:	24.00 %
SubTotal:	$67,380
Contingency Amount:	$16,171
Estimate:	$83,551
Reimbursement:	$0
Net Amount:	**$83,551**
Description:	

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18	[redacted]		$5,000.00
POLE OH - POLE - 1ph (Telephone custodian)	14-OH11			$14,300.00
POLE OH - POLE - 1ph (CL&P custodian)	14-OH13			$17,500.00
POLE OH - Install/Replace Anchor and Guy	14-OH14B			$3,200.00
OH WIRE OH - Ampact Connectors - 1ph (2 Ampacts)	14-OH21			$4,995.00
TREE OH - Tree Trimming	14-OH61			$4,000.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph	14-OH19			$6,660.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Arresters	14-OH15			$1,410.00
OTHER OTHER Coleman Drilling	14-ALL14			$2,500.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-35

SECTIONALIZE OH - Cutouts or Arresters - 1ph Fuse XFMRs	14-OH19	[redacted]	$4,995.00
INSULATOR OH - Replace insulators w/ VISE TOP - 1ph Rubber Ties	14-OH15		$2,820.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					134	

Reliability Projection

Title:

Outage Start Date: 04/14/2010 Outage End Date: 04/14/2014 Years History: 4.00

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted]Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-36

General Information

Segment: [redacted]

Status: Prelim Design Submitted

Segment Type: ELECTRICAL HARDENING

Town: WOODBURY

Budget Year: 2016

Work Type: BB-Reconductoring

Trimming Required: ☑

In Service Date: 12/31/2016

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Design Alternative CD00313-36

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00 %
SubTotal:	$1,982,425
Contingency Amount:	$555,079
Estimate:	$2,537,504
Reimbursement:	$0
Net Amount:	**$2,537,504**
Description:	

Item Description	CU	$ / Per	Qty	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Complex	14-ALL16	[redacted]		$25,575.00
POLE OH - POLE - 3ph (Telephone custodian)	14-OH12			$275,000.00
TREE OH - Trimming for Taller Pole	14-OH64			$27,500.00
UG CABLE DB/UG - 1000 - 4CT (3ph) Cu From breaker to riser on [redacted]	14-UG115			$276,000.00
OH WIRE OH - Install Aerial Cable on existing poles (any) Install aerial cable from riser on [redacted] 11S15-S	14-OH36			$943,350.00
OTHER OTHER New Breaker at Carmel Hll 11S16-2	14-ALL14			$400,000.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer State Police Traffic Control	14-ALL18			$35,000.00

Design Alternative

CD00313-36

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Install	[redacted]						[redacted]
Existin						4202	

Reliability Projection

Title:

Outage Start Date: 01/01/2007 Outage End Date: 12/02/2014 Years History: 7.92

[redacted]

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Design Alternative

CD00313-37

General Information

Segment: [redacted]

Status: Draft

Segment Type: ELECTRICAL HARDENING

Town: WOODBURY

Budget Year: 2016

Work Type: BB-Reconductoring

Trimming Required: ☑

In Service Date: 12/31/2016

Description: [redacted].

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00 %
SubTotal:	$2,243,066
Contingency Amount:	$538,336
Estimate:	$2,781,402
Reimbursement:	$0
Net Amount:	**$2,781,402**
Description:	[redacted]

Item Description	CU	$ / Per	Qty	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	14-ALL17	[redacted]		$4,260.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	14-ALL18			$17,000.00
POLE OH - POLE - 3ph (CL&P custodian)	14-OH14			$56,750.00
OH WIRE OH - Reconductor w/Spacer Cable - 556 kcmil	14-OH29			$512,500.00
OH WIRE OH - Line Extension w/Aerial Cable - (any gauge)	14-OH35			$1,015,356.00
TREE OH - SYSTEM RESILENCY Tree Trimming - Backbone	14-OH62			$32,000.00
CONDUIT DB - Conduit Installation	14-UG152			$16,200.00
UG CABLE DB/UG - 1000 - 4CT (3ph) Cu Egress cable out of station	14-UG115			$69,000.00

Design Alternative CD00313-37

OTHER	14-ALL14	[redacted]	[redacted]	$120,000.00
OTHER				
This is amount to cut temporary road in for crews to be able to bring vehicles in.				
OTHER	14-ALL14	[redacted]	[redacted]	$400,000.00
OTHER				
Work to install new breaker position at Carmel Hill Sub				

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes

Segment CD00313-38

General Information

Segment: [redacted]
Status: Prelim Design Approved
Segment Type: ELECTRICAL HARDENING
Town: WOODBURY
Budget Year: 2016
Work Type: BB-Reconductoring
Trimming Required: ☑
In Service Date: 12/31/2016
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	40.00 %
SubTotal:	$2,940,038
Contingency Amount:	$1,176,015
Estimate:	$4,116,053
Reimbursement:	$0
Net Amount:	**$4,116,053**
Description:	[redacted]

Item Description	CU		Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	14-ALL17	[redacted]	$8,520.00
UG CABLE DB/UG - 1000 - 4CT (3ph) Cu	14-UG115		$46,000.00
CONDUIT DB - Conduit Installation	14-UG152		$10,800.00
OTHER OTHER New Breaker installation	14-ALL14		$400,000.00
ACT ACT Estimate for Division Crews This is from estimates to run 500Al aerial cable including splices and poles.	14-ALL13		$999,999.00
ACT ACT Estimate for Division Crews This is from estimates to run 500Al aerial cable including splices cable poles, etc.	14-ALL13	[redacted] [redacted]	$999,999.00
SECTIONALIZE OH - Recloser - 3ph Three reclosers to reconfigure loop scheme.	14-OH38	[redacted] [redacted]	$174,720.00
OTHER OTHER work to make row driveable for line vehicles	14-ALL14	[redacted] [redacted]	$300,000.00

Specific Project Proposal - Project #: CD00313

[redacted] Sys Resil Beth/Morris/Roxbry

Segment CD00313-38

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					4202	

Reliability Projection

Title:

Outage Start Date: 01/01/2007 Outage End Date: 02/04/2015 Years History: 8.10

[redacted]