

# Town of Bedford

ELECTRIC DEPARTMENT



PHONE (540) 587-6071  
FAX (540) 587-6131

877 MONROE STREET  
BEDFORD, VIRGINIA 24523

## Summary of Bid:

Description of work	Bid
PROJECT 1: Labor to Build 69 kV line over 12 kV distribution on Forest Road to McGhee Street Station including install one two way three phase 69 kV, 600 Amp switch at McGhee Street Station in Bedford, Virginia.	
PROJECT 2: Labor to install one way GOAB 69 kV Air Break switch at Weaving Mill Station on Commerce Avenue in Bedford, Virginia.	
PROJECT 3: Labor to relocate existing 69 kV line on Dawn Drive at Frank Chevan Station in Bedford, Virginia.	
Percentage markup on contractor supplied materials.	
<b>Grand Total</b>	

All work must be coordinated with Superintendent AJ Fairchild (phone number 540-587-6075). It will be the responsibility of the contractor to contact him prior to the start of daily work to determine the status of the distribution line. Material will be supplied by the Town of Bedford.

Please supply labor rates to be used for unspecified work.

Work for above projects may be awarded at time of bid or during the 2022 budget year according to the available funds.

All questions should be addressed to Elvin Epting (phone number 540-587-6107) or Scott Salmon (phone number 540-587-6079).

69 KV LOOP IMPROVEMENTS

LABOR	Description	UNIT	LABOR			LABOR			LABOR			
			Install Quantity	Remove Quantity	Transfer Quantity	Unit Cost Install	Unit Cost Remove	Unit Cost Transfer	Unit Cost Install	Unit Cost Remove	Unit Cost Transfer	Total
	POLE WOOD 35 CLASS 5	P305	0	2	0							
	POLE WOOD 45 CLASS 2	P452	0	2	0							
	POLE WOOD 50 CLASS 1	P501	1	0	0							
	POLE WOOD 50 CLASS 2	P502	1	0	0							
	POLE WOOD 50 CLASS H2	P50H2	1	0	0							
	POLE WOOD 55 CLASS 2	P552	1	0	0							
	POLE STEEL 65 CLASS 2	P652	6	0	0							
	POLE STEEL 65 CLASS H1	P65H1	1	0	0							
	POLE STEEL 70 CLASS 1	P701	1	0	0							
	POLE STEEL 70 CLASS 2	P702	6	6	0							
	POLE STEEL 70 CLASS H1	P70H1	5	0	0							
	POLE STEEL 75 CLASS H1	P75H1	4	0	0							
	POLE STEEL SWITCH 75 FT DIRECT EMBED	P75S1	2	0	0							
	CUT OFF POLE	PCUT										
	ROCK HOLE ADDER	PROCK										
	HAND DIG ADDER	PHAND										
	Total		29	0	0							
	LABOR											
	Description	UNIT	Install Quantity	Remove Quantity	Transfer Quantity	Unit Cost Install	Unit Cost Remove	Unit Cost Transfer	Unit Cost Install	Unit Cost Remove	Unit Cost Transfer	Total
	PIN, CROSS-ARM	PXAP	103	150	0							
	ARM, 8 FOOT, WOOD, DOUBLE, 18 IN WD BR	P8DXAW	0	22	0							
	ARM, 8 FOOT WOOD, SINGLE, 18 INCH WD BR	P8XAW	0	12	0							
	ARM, 8 FOOT WOOD, SINGLE, STEEL BR	P8XA	0	2	0							
	ARM, 10 FOOT WOOD, SINGLE, 60 IN WD BR	P10XAW6S	0	0	0							
	ARM, 10 FOOT WOOD, DOUBLE, 60 IN WD BR	P10DXAW6	0	7	0							
	ARM, 10 FOOT, WOOD, TRIPLE, STEEL BRACE	P10TXAW6	0	0	0							
	CLEVIS, NEUTRAL, 3 INCH	PC3	62	70	21							
	GUY, DOUBLE 3/8 IN EHS, 10 FT X 1 ROD, 12 IN ANCHOR	PDGC38D	1	6	0							
	GUY, 3/8 IN EHS, 10 FT X 1 ROD, 12 IN ANCHOR	PDGC38	2	9	0							
	GUY, 1/2 INCH EHS, 10 FT X 1 INCH ROD, 12 IN ANCHOR	PDGC12	3	3	0							
	GUY, DOUBLE 1/2 IN EHS, 10 FT X 1 ROD, 12 IN ANCHOR	PDGC12D	20	0	0							
	POLE GUY FITTING 1/2 EHS	PHGF12	16	0	0							
	SPAN GUY WIRE 3/8 INCH EHS	PGW38	50	375	158							
	FIBERGLASS ROD FOR DOWN GUY, W/FITTINGS 15,000 LB	PGI38	0	0	0							
	FIBERGLASS ROD FOR DOWN GUY W/FITTINGS 21,000 LB	PGI12	35	0	0							
	Total											

Signed: \_\_\_\_\_  
Company: \_\_\_\_\_

69 KV LOOP IMPROVEMENTS

Conductors, Deadends and Accessories		LABOR			LABOR			LABOR		
UNIT	Install	Remove	Transfer	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Transfer	Total	
Quantity	Quantity	Quantity	Quantity	Install	Remove	Transfer	Install	Transfer	Total	
STIRRUP	8	4	1							
WIRE, #4 ACSR 2/C 600 VOLT	0	0	0							
WIRE, 1/0 ALUM 3/C 600 VOLT Nertina	1911	50	0							
WIRE, #4 SINGLE CONDUCTOR OPEN WIRE 600 VOLT	0	150	0							
WIRE, #1/0 SINGLE CONDUCTOR OPEN WIRE 600 VOLT	0	3445	0							
WIRE, #6 COPPER	0	0	0							
WIRE 1/0 ACSR	0	995	4865							
WIRE 4/0 ACSR	0	3210	302							
WIRE 336 ACSR MERLIN	555	0	15563							
WIRE, #2-3/C ALUM., 600 VOLT	0	0	320							
DEAD-END #4 ACSR CLAMP AND BOLT	3	3	2							
DEAD-END #6 COPPER CLAMP AND BOLT	1	0	0							
DEAD-END 4/0 ACSR CLAMP AND BOLT	0	3	2							
DEAD-END 336 ACSR CLAMP AND BOLT	0	0	0							
DEAD-END #2 ACSR CLAMP, BOLT AND 15 KV INSULATOR	1	0	0							
DEAD-END #336 ACSR CLAMP, BOLT AND 15 KV INSULATOR	3	3	0							
DEAD-END 6 ACSR CLAMP, BOLT AND 15 KV INSULATOR	3	0	0							
DEAD-END #4/0 ACSR CLAMP, BOLT AND 15 KV INSULATOR	0	9	0							
DEAD-END #336 ACSR CLAMP, BOLT AND 15 KV INSULATOR	33	36	0							
DEAD-END #1/0 ALUMINUM SECONDARY	14	18	14							
DEAD-END #1/0 ALUMINUM SECONDARY	10	4	0							
GRIP, PREFORMED 336 ACSR P/LP #DST-0158	0	0	0							
GRIP, PREFORMED 336 ACSR P/LP #DBST-1108	6	0	0							
GRIP, PREFORMED 336 ACSR	69	0	0							
GRIP, PREFORMED 1/0 ACSR P/LP #SPL-1360-P	24	0	0							
INSULATOR, PIN 15 KV POLYMER	94	139	0							
GROUND #6 COPPER SOLID	0	1	0							
CAPACITOR ANY SIZE WITH SWITCH AND CONTROL	0	0	1							
Steel 6 foot switch frame.	0	1	0							
STREET LIGHTS										
UNIT	Install	Remove	Transfer	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Transfer	Total	
Quantity	Quantity	Quantity	Quantity	Install	Remove	Transfer	Install	Transfer	Total	
STLG-100	0	0	2							

Signed: \_\_\_\_\_  
Company: \_\_\_\_\_

69 KV LOOP IMPROVEMENTS

TRANSFORMERS AND SERVICES				LABOR				LABOR				
UNIT	Install	Remove	Transfer	Unit Cost	Remove	Unit Cost	Transfer	Unit Cost	Remove	Unit Cost	Transfer	Total
Quantity	Quantity	Quantity	Quantity	Install	Quantity	Remove	Quantity	Install	Quantity	Remove	Quantity	Total
Cut-Out 7.2 kv Open Type	15	15	0									
Lightning Arrester 8.4 kv MOCV	16	15	1									
TLAC84	8	7	1									
RISER, TRANSFORMER #6 CU PRIMARY #2 CU SECONDARY T1A1	1	1	0									
RISER, TRANSFORMER #6 CU PRIMARY #1/0 CU SECONDARY T1A2	0	0	0									
RISER, TRANSFORMER #6 CU PRIMARY #4/0 CU SECONDARY T1A3	1	0	26									
SD2A3	0	0	0									
SERVICE DROP #2 ALUM,EA	0	0	0									
SDUG2	0	0	0									
SERVICE POLE CONDUIT RISERS	0	0	5									
SDRISE												
Transformer 25 kv 7.2 kv	1	1	2									
X72025	1	1	4									
Transformer 37.5 kv 7.2 kv												
X72037												
Total												
TRANSMISSION UNITS				LABOR				LABOR				
Description	Install	Remove	Transfer	Unit Cost	Remove	Unit Cost	Transfer	Unit Cost	Remove	Unit Cost	Transfer	Total
Quantity	Quantity	Quantity	Quantity	Install	Quantity	Remove	Quantity	Install	Quantity	Remove	Quantity	Total
CONDUCTOR, TRANSMISSION 336 ACSR	16020	4038	381									
CAR336T	5662	342	127									
WIRE, STATIC AND GUY, 3/8 EHS STEEL	9	21	0									
PGW38T	24	4	0									
INSULATOR POLYMER 69KV POST	36	30	0									
CPI69	6	0	0									
SUPPORT WIRE, 3/8 EHS STATIC WIRE CLAMP	25	0	0									
CTWH38SW	3	0	0									
DEADEND 69 KV 336 ACSR	12	8	0									
CDE69T336	1	0	0									
VERTICAL CORNER, 69 KV 336 ACSR	0	0	0									
CVC336S69	0	0	0									
GROUND #4 COPPER FOR TRANSMISSION POLE	25	0	0									
CGT4C	3	0	0									
GROUND #4 COPPER FOR STEEL TRANSMISSION POLE	12	8	0									
CGT4CS	0	0	0									
DEAD-END 3/8 EHS STATIC WIRE	0	0	0									
CDE38SW	1	0	0									
SWITCH, 69 KV 2W GANG-OPERATED AIR BREAK, 1200 AMP	0	0	0									
C2SW69GOAB	0	0	0									
SWITCH, 69 KV 1W GANG-OPERATED AIR BREAK, 1200 AMP	2	0	0									
CSW69GOAB	57	0	0									
GROUND MAT STEEL 4 FT BY 4 FT	3	0	0									
CGSWMAT	0	0	0									
INSULATOR POLYMER 69/115 KV POST WITH 7/8 INCH BOLT	0	0	0									
CPI69A	3	0	0									
DOUBLE SUSPENSION INSULATOR SUPPORT	0	0	0									
CS169T336	0	0	0									
SPLICE TENSION 336 ACSR	0	0	0									
CTS336	0	0	0									
STEEL TRANSMISSION DAVIT ARM	0	0	0									
TDAVIT												
Total												
GRAND TOTAL												

Signed: \_\_\_\_\_  
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