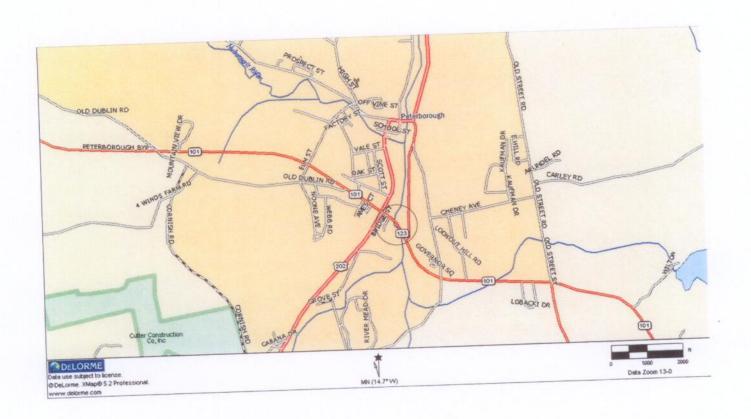
Wilton Bennington Railroad Crossing Location Wilton, New Hampshire



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POLE LOADING DATA

Pole: 50/2 Wood

Pole Loading
Horizontal: 89% (250B)
Vertical: 14% (250B)

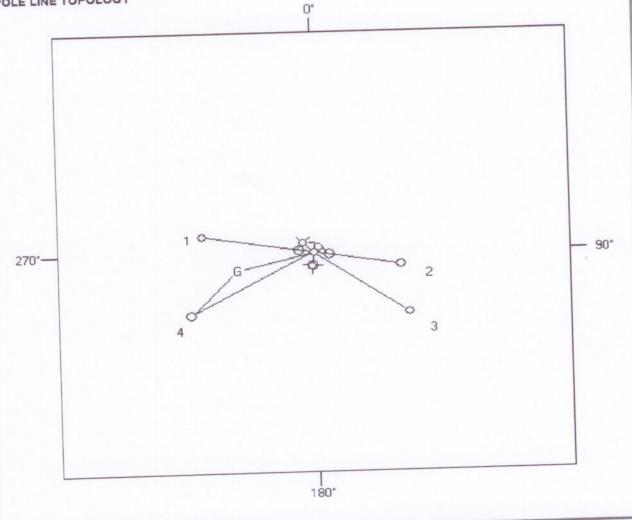
NESC Edition: 250
Loading District: Heavy
Construction: Grade B

NESC Edition: 2007

Rule 250B Loading: Wind (psf): 4 Ice (in): 0.5

OLLO			
Pole #	Length (ft)	Depth (ft)	Elevation (ft)
0	50	7	0
U		8	0
1	40	0	0
2	40	ь	0
3	50	7	O
	50	7	0
4	50		

POLE LINE TOPOLOGY



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UY STRAND DA	TA								
Anchor Strand		Attach	Length	Direction	Tension	Strength	Loading		
1 1/2° EI		148"	14"	70*	9,018	24,210	37% 35%		
1 1/2° Et		192"	14"	70°	8,409	24,210	5%		
2 1/2° EI		24"	14'	5*	1,248	24,210	0%		
2 1/2° El	HS	228"	14	5° 5°	1,629	24,210	7%		
2 1/2' El	HS	240"	14	5-	1,025	2-1,2-1-			
ANCHOR DATA									
		Anchor		301	Tension	Rod Strength		r Strength	
Anchor Rod 1 1' Ros		10" Triple Heli		Class - 4	17,422	36,000		1,000	
2 1' Ros		10" Triple Heli		Class - 4	2,860	36,000	3	1,000	
SPAN GUY DATA	4							Londing	
Span Strand		Attach A	Attach B	Length	Direction	Tension	Strength 24,210	Loading 0%	
4 1/2* E		144"	60"	192	240°	0	24,210	0%	
4 1/2° E		207"	72"	192'	240° 240°	0	24,210	0%	
4 1/2° E	HS	234"	159"	192'	240				
INSULATORS									
		Attach	Load	ling	Angle				
Insulator 25VV Poet		6"	57		0°				
25KV Post 25KV Post		6"	57	%	0°				
25KV Post		6"	57	%	0.				
ARM / BRACKET Arm/Bracket 8' Double Xarm (3-5/		Attach 6"	Veri 51	Loading 6	Horz Loading 23%				
Arm/Bracket									
8' Double Xarm (3-5/	/8x4-5/8)	6*	519	6					
Arm/Bracket & Double Xarm (3-5/ SPANS Span: 1 Spa		6*		6					
Arm/Bracket & Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1	/8x4-5/8) an Length (f	6" ft): 152	Directio	n: 280°	23%	B(in) Ter	nsion		
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary	an Length (f	6" ft): 152 ling Span (ft)	519	n: 280°	23% (in) Attach		1602		
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1)	/8x4-5/8) an Length (1	6" ft): 152	Directio Offset (ii	n: 280° n) Atlach A	(in) Attach		1602 1602		
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1)	/8x4-5/8) an Length (f	6" ft): 152 ling Span (ft)	Directio	n: 280° n) Attach A	23% (in) Attach		1602		
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1)	/8x4-5/8) an Length (f	5" (t): 152 ling Span (t) 150 150	Directio	n: 280° n) Atlach A	(in) Attach		1602 1602 1602		
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1)	/8x4-5/8) an Length (f	5" (t): 152 ling Span (t) 150 150	Directio	n: 280° n) Atlach A	(in) Attach		1602 1602		
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral	an Length (f	5" ft): 152 ling Span (ft): 150 150	Directio Offset (#44 0 -44	n: 280° n) Attach A -6 -6 -6 -6	23% (in) Attach 6 -11 6 42		1602 1602 1602	Description	
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use Joint Use	an Length (f	5" ft): 152 ling Span (ft) 150 150 ling Span (ft)	Directio Offset (ii 44 0 -44 1 Diameter (in	n: 280° n) Attach A -6 -6 -6 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9	23% (in) Attach 6 -11 6 42 Attach A (in)	Attach B (in)	1602 1602 1602	Description	
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use Joint Use Cable 5.5M (1/4)+ 0.75° C/	an Length (f	5" ft): 152 ling Span (ft) 150 150 150 ling Span (ft) 100	Directio Offset (in 44 0 -44 1 Diameter (in 1.04	n: 280° n) Attach A -6 -6 -6 -6 129) Weight (ibs/ft) C.27	23% (in) Attach 6 -11 6 42		1602 1602 1602 1602 Tension (lbs) 974 2201	Description	
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use Joint Use	ATV	5" ft): 152 ling Span (ft) 150 150 ling Span (ft)	Directio Offset (ii 44 0 -44 1 Diameter (in	n: 280° n) Attach A -6 -6 -6 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9	(in) Attach 6 -11 6 42 Attach A (in) 228	Attach B (in)	1602 1602 1602 1602 Tension (lbs)	Description	
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use Joint Use Cable 5.5M (1/4) + 0.75° CE 5.5M (5/16) + 0.75° TE 10M (3/8) + 1.50° TE	ATV	5" ft): 152 ling Span (ft) 150 150 150 150 150 100 100 100	Directio Offset (ii	n: 280° n) Attach A -6 -6 -6 -6 129) Weight (ibs/ft) C.27 C.50 1.40	23% (in) Attach 6 -11 6 42 Attach A (in) 228 240	Attach B (in) 228 240	1602 1602 1602 1602 Tension (lbs) 974 2201	Description	
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use Joint Use Cable 6.5M (1/4) + 0.75° C/ SM (5/16) + 0.75° TE 10M (3/8) + 1.50° TE	ATV ELCO ELCO an Length (5" ft): 152 ling Span (ft) 150 150 150 150 150 150 150 150 160 170 170 170 170 170 171 171 171 171 17	Directio Offset (in 44 0 -44 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n: 280° n) Attach A -6 -6 -6 -6 129) Weight (ibs/ft) C.27 C.50 1.40 on: 100°	23% (in) Attach 6 -11 6 42 Attach A (in) 228 240 252	Attach B (in) 228 240 252	1602 1602 1602 1602 Tension (lbs) 974 2201 3514	Description	
Arm/Bracket 8" Double Xarm (3-5/4 SPANS Span: 1 Span: 1 Primary 1/0 ACSR (6/1) Joint Use Joint Use Cable 5.5M (1/4) + 0.75° C/6M (5/16) + 0.75° TE 10M (3/8) + 1.50° TE Span: 2 Span: 2 Spans 2 Spans 2 Spans 3 SPANS	ATV ELCO ELCO an Length (5" ft): 152 ling Span (ft) 150 150 150 150 100 100 100 (ft): 118 ling Span (ft)	Directio Offset (ii 44 0 -44 1 Diameter (in 1.04 1.03 1.81 Directio	n: 280° n) Attach A -6 -6 -6 -6 129) Weight (ibs/ft) C.27 C.50 1.40 on: 100°	23% (in) Attach 6 -11 6 42 Attach A (in) 228 240 252	Attach B (in) 228 240 252	1602 1602 1602 1602 Tension (lbs) 974 2201	Description	
Arm/Bracket 8° Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use Joint Use Joint Use Cable 6.5M (1/4) + 0.75° C/ SM (5/16) + 0.75° TE 10M (3/8) + 1.50° TE Span: 2 Spa Circuit: 1 Primary 1/0 ACSR (6/1)	ATV ELCO ELCO an Length (5" ft): 152 ling Span (ft) 150 150 150 150 150 150 160 (ft): 118 ling Span (ft) 100	Directio Offset (ii 44 0 -44 1 Diameter (ii 1.04 1.03 1.81 Directio Offset (n: 280° n) Attach A -6 -6 -6 -129) Weight (ibs/ft) C.27 C.50 1.40 on: 100°	23% (in) Attach 6 -11 6 42 Attach A (in) 228 240 252	Attach B (in) 228 240 252 B (in) Te	1602 1602 1602 1602 Tension (lbs) 974 2221 3514	Description	
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use Joint Use Cable 5.5M (1/4) + 0.75° Cf 5M (5/16) + 0.75° TE 10M (3/8) + 1.50° TE Span: 2 Span: 2 Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1)	ATV ELCO ELCO an Length (5" ft): 152 ling Span (ft) 150 150 150 150 150 150 150 160 100 100 100 100 100 100 100 100	Directio Offset (1 44 0 -44 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n: 280° n) Attach A -6 -6 -6 -6 129) Weight (ibs/ft) C.27 C.50 1.40 on: 100°	23% (in) Attach 6 -11 6 42 Attach A (in) 228 240 252	Attach B (in) 228 240 252 B (in) Te	1602 1602 1602 1602 Tension (tbs) 974 2201 3514	Description	
Arm/Bracket 8' Double Xarm (3-5/2) SPANS Span: 1 Span (3-5/2) Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use Joint Use Cable 6.5M (1/4) + 0.75° C/ 5M (5/16) + 0.75° TE 10M (3/8) + 1.50° TE Span: 2 Span (5/1) Primary 1/0 ACSR (6/1)	ATV ELCO ELCO an Length (5" ft): 152 ling Span (ft) 150 150 150 150 150 150 160 (ft): 118 ling Span (ft) 100	Directio Offset (ii 44 0 -44 1 Diameter (ii 1.04 1.03 1.81 Directio Offset (n: 280° n) Attach A -6 -6 -6 -129) Weight (ibs/ft) C.27 C.50 1.40 on: 100°	23% (in) Attach 6 -11 6 42 Attach A (in) 228 240 252	Attach B (in) 228 240 252 B (in) Te	1602 1602 1602 1602 1602 Tension (lbs) 974 2201 3514	Description	
Arm/Bracket 8' Double Xarm (3-5/ SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use Joint Use Cable 5.5M (1/4) + 0.75° Cf 5M (5/16) + 0.75° TE 10M (3/8) + 1.50° TE Span: 2 Span: 2 Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1)	ATV ELCO ELCO an Length (5" ft): 152 ling Span (ft) 150 150 150 150 150 150 150 160 100 100 100 100 100 100 100 100	Directio Offset (1 44 0 -44 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n: 280° n) Attach A -6 -6 -6 -6 129) Weight (ibs/ft) C.27 C.50 1.40 on: 100°	23% (in) Attach 6 -11 6 42 Attach A (in) 228 240 252 (in) Attach 6 -1 6	Attach B (in) 228 240 252 E (in) Te	1602 1602 1602 1602 1602 Tension (lbs) 974 2201 3514	Description	
Arm/Bracket 8" Double Xarm (3-5/4 SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) Joint Use Joint Use Cable 5.5M (1/4) + 0.75° Cc 6M (5/16) + 0.75° Te 10M (3/8) + 1.50° TE Span: 2 Span: 2 Span: 2 Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Neutral	ATV ELCO ELCO an Length (5" ft): 152 ling Span (ft) 150 150 150 150 150 160 100 100 100 100 100 100 100	Directio Offset (ii 44 0 -44 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n: 280° n) Attach A -6 -6 -6 -129) Weight (ibs/ft) C.27 C.50 1.40 on: 100° in) Attach A -6 -6 -6 -6	23% (in) Attach 6 -11 6 42 Attach A (in) 228 240 252 (in) Attach 6 -1 6 42	Attach B (in) 228 240 252 E (in) Te	1602 1602 1602 1602 Tension (lbs) 974 2201 3514 ension 1395 1395		
Arm/Bracket 8" Double Xarm (3-5/4) SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Joint Use Joint Use Cable 6.5M (1/4) + 0.75" Cf 5M (5/16) + 0.75" Cf 5M (5/16) + 0.75" Tc 10M (3/8) + 1.50" TE Span: 2 Span Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use	ATV ELCO ELCO an Length (5" ft): 152 ling Span (ft) 150 150 150 150 150 160 100 100 100 100 100 100 100	Directio Offset (ii	n: 280° n) Attach A -6 -6 -6 -129) Weight (ibs/ft) C.27 C.50 1.40 on: 100° and Attach A -6 -6 -6 -6 -6 -6 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9	23% (in) Attach 6 -11 6 42 Attach A (in) 228 240 252 (in) Attach 6 -1 6 42	Attach B (in) 228 240 252 E (in) Te	1602 1602 1602 1602 Tension (lbs) 974 2201 3514 ension 1395 1396 1395		
Arm/Bracket 8' Double Xarm (3-5/2) SPANS Span: 1 Span Gircuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use Joint Use Cable 6.5M (1/4) + 0.75° C/ 5M (5/16) + 0.75° TE 10M (3/8) + 1.50° TE Span: 2 Span Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use Joint Use Joint Use	ATV ELCO an Length (Fu	5" ft): 152 ling Span (ft) 150 150 150 150 150 150 160 100 100 100 100 100 100 100 100 10	Directio Offset (in 1.04 1.03 1.81 Directio Offset (in 4.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	n: 280° n) Attach A -6 -6 -6 -129) Weight (ibs/ft) C.27 C.50 1.40 on: 100° in) Attach A -6 -6 -6 -129 n) Weight (ibs/ft) C.39	23% (in) Attach 6 -11 6 42 Attach A (in) 228 240 252 (in) Attach 6 -1 6 42 (in) Attach 7 (in) Attach 8 (in) Attach 9 (in)	Attach B (in) 228 240 252 E (in) Te	1602 1602 1602 1602 Tension (lbs) 974 2201 3514 ension 1395 1395 1395		
Arm/Bracket 8" Double Xarm (3-5/4) SPANS Span: 1 Spa Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Joint Use Joint Use Cable 6.5M (1/4) + 0.75" Cf 5M (5/16) + 0.75" Cf 5M (5/16) + 0.75" Tc 10M (3/8) + 1.50" TE Span: 2 Span Circuit: 1 Primary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use	ATV SLCO ELCO An Length (5" ft): 152 ling Span (ft) 150 150 150 150 150 150 160 100 100 100 100 100 100 100 100 10	Directio Offset (ii	n: 280° n) Attach A -6 -6 -6 -129) Weight (ibs/ft) C.27 C.50 1.40 on: 100° and Attach A -6 -6 -6 -6 -6 -6 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9	23% (in) Attach 6 -11 6 42 Attach A (in) 228 240 252 (in) Attach 6 -1 6 42	Attach B (in) 228 240 252 E (in) Te	1602 1602 1602 1602 Tension (lbs) 974 2201 3514 ension 1395 1396 1395		

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Span: 3	Span Len	gth (ft): 158	Direction	: 12/				
Joint Use Car 6.6M (1/4) + 0		Ruling Span (R) 150	Diameter (in) 0.97	Weight (lbs/ft) 0.39	Attach A (in) 216	Attach B (in) 216	Tension (lbs) 1419	Description
Span: 4	Span Len	gth (ft): 192	Direction	: 240°				
Joint Use Joint Use Car 6.6M (1/4) + 1		Ruling Span (ft) 150	Diameter (in) 0.97	Weight (lbs/ft) 0.39	Attach A (in) 216	Attach B (in) 216	Tension (lbs) 1419	Description
EQUIPMEN	т							
Equipment 15 KVA 15 KVA 15 KVA		Weight (lbs) 280.0 280.0 280.0	At:ac 96 96 96	th (in)	Direction 100° 280" 185°			
LIGHTS								
Light 150-400W C		Bracket 4 FT Bracket 2 FT Bracket		64	EPA 0.87 1.3	Attach 155 123	Direction 185° 315°	

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