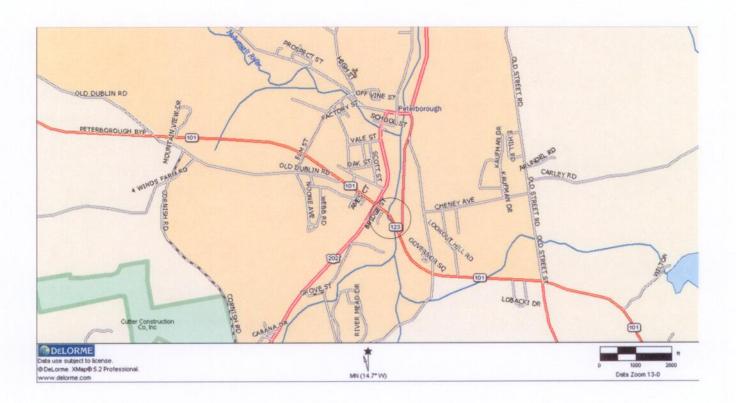
Teljet Longhaul LLC

Water Crossing Location

Contoocook River

Peterborough, New Hampshire



PoleForeman - Pole Loading Analysis Report

License: Trial Version - Unregistered



POLE LOADING DATA Pole: 40/H2 Wood

Pole Loading
Horizontal: 59% (250B)
Vertical: 0% (250B)

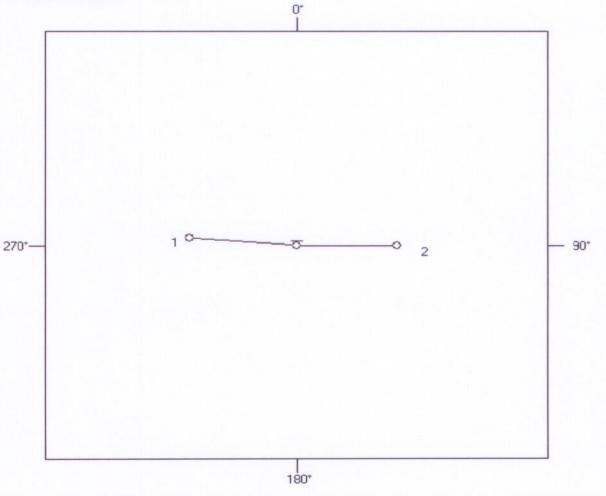
NESC Edition: 2007
Loading District: Heavy
Construction: Grade B

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

POLES

Pole #	Length (ft)	Depth (ft)	Elevation (ft)
0	40	10	0
1	40	6	0
2	45	6.5	0

POLE LINE TOPOLOGY



File: contoocook River.pff

4/11/11 7:57 AM

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PoleForeman - Pole Loading Analysis Report

1	GUY STRAND DAT Anchor Strand	Attach	Length	Direction	Tension	Strength	Loading		
ANCHOR DATA Anchor Rod									
1									
1	ANCHOR DATA								
Insulations									
Attach Loading Argle 25KV Post 4	1 1" Rod	10" Triple He	li	Class - 4	33	36,000		31,000	
25KV Post 4" 63% 5" 5" 25KV Post 7" 63% 5" 5" 25KV Post 7" 63% 5" 5" 3" SpoolTangent: 76" 40% 5" 5" 3" SpoolTangent: 4" 14% 63%	INSULATORS								
25KV Post 7' 63% 5' 25KV Post 7' 63% 5' 3" SpootTargent 7' 78" 40% 5' 3" SpootTargent 7' 78" 40% 5' 3" SpootTargent 7' 78" 12% 63% 12% 12% 63% 12% 12% 12% 12% 12% 12% 12% 12% 12% 12		Attach							
25KV Post 3" SpootTangent: 7" 63% 5' 5' 40% 5' ARM / BRACKET DATA Amtigracket 10" Single Pole Top Post 4" 14% 63% 63% 12% 12% SPANS Span: 1 Span Length (ft): 193 Direction: 275° Circuit: 1 Primary 10 ACSR (6/1) 200 0 1 78 42 1802 Joint Use Cable 6.6M (1/4) + 0.75" TELCO 200 1 1 78 42 1802 Span: 2 Span Length (ft): 180 Direction: 90° Circuit: 1 Primary 10 Actach 8 (6/1) 119 119 1564 Span: 4									
ARM / BRACKET DATA Amstracket 10" Single Nam (3-5/8x4-5/3) 7" 28% 12% SPANS Span: 1 Span Length (ft): 193 Direction: 275° Circuit: 1 Primary Ruling Span (ft) 200 44 -5 6 1802 1/0 ACSR (6/1) 200 -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Span Length (ft): 180 Direction: 90° Circuit: 1 Primary Ruling Span (ft) Weight (bs/ft) Attach A (in) Attach B (in) Tenson 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Span Length (ft): 180 Direction: 90° Circuit: 1 Primary Ruling Span (ft) 0 1 78 42 1802 Joint Use Span Length (ft): 180 Direction: 90° Circuit: 1 Primary Ruling Span (ft) Diameter (in) Weight (bs/ft) Attach A (in) Attach B (in) Tenson (bs) Description 1802 Neutral 1/0 ACSR (6/1) 200 44 -5 6 6 1802 Span: 2 Span Length (ft): 180 Direction: 90° Circuit: 1 Primary Ruling Span (ft) 0 1 1 78 42 1802 Joint Use Span (ft) 200 44 -5 6 6 1802 Neutral 1/0 ACSR (6/1) 200 44 -5 6 6 1802 Neutral 1/0 ACSR (6/1) 200 44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Span Color Span (ft) 200 44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Span Color Span (ft) Diameter (in) Weight (bs/ft) Attach A (in) Attach B (in) Tenson (bs) Description 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Cable Ruling Span (ft) Diameter (in) Weight (bs/ft) Attach A (in) Attach B (in) Tenson (bs) Description									
10° Single Pole Top Post 3° Single Xarm (3-5/8x4-5/8) 7° 28% 12% SPANS Span: 1 Span Length (ft): 193 Direction: 275° Circuit: 1 Primary Ruling Span (ft) 200 44 -5 6 1802 1/0 AcSR (6/1) 200 -44 -5 6 1802 Neutral 1/0 AcSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Cable Ruling Span (ft) 09° Circuit: 1 Primary Ruling Span (ft) 076set (in) Attach A (in) Attach B (in) Tension 119 119 1564 Diameter (in) 0.97 119 119 119 1564 Primary Ruling Span (ft) 076set (in) Attach A (in) Attach B (in) Tension (ibs) Description 100 AcSR (6/1) 200 44 -5 6 6 1802 Diameter (in) 0.97 119 119 119 1564 Diameter (in) 0.97 119 119 119 1564 Primary Ruling Span (ft) 076set (in) Attach A (in) Attach B (in) Tension (ibs) Description 100 AcSR (6/1) 200 44 -5 6 6 1802 1/0 AcSR (6/1) 200 44 -5 6 6 1802 Neutral 1/0 AcSR (6/1) 200 44 -5 6 6 1802 Neutral 1/0 AcSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Auling Span (ft) 076set (in) Attach A (in) Attach B (in) Tension (ibs) Description 100 AcSR (6/1) 200 1 78 42 1802 Neutral 1/0 AcSR (6/1) 200 1 78 42 1802									
Arm:Bracket 10° Single Pole Top Post 3° Single Xamr (3-5/8x4-5/8) 7° 78" PANS Span: 1 Span Length (ft): 193 Direction: 275° Circuit: 1 Frimary 1/0 AcSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Cable 6.6M (1/4) + 0.75° TELCO Span: 2 Span Length (ft): 180 Direction: 90° Circuit: 1 Frimary Neutral 1/0 AcSR (6/1) 200 1 78 42 1802 Discretion: 90° Circuit: 1 Frimary Neutral 1/0 AcSR (6/1) 200 1 78 42 1802 Description 1564 Discretion: 90° Circuit: 1 Frimary No AcSR (6/1) 200 1 78 42 1802 Discretion: 90° Circuit: 1 Frimary No AcSR (6/1) 200 445 6 1002 100 AcSR (6/1) 200 1 78 42 1802 Discretion: 90° Circuit: 1 Frimary No AcSR (6/1) 200 445 6 1002 1/0 AcSR (6/1) 200 51111 1002 Neutral 1/0 AcSR (6/1) 200 7-445 6 1002 Neutral 1/0 AcSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Joint Use Joint Use Cable Ruling Span (ft) Dismeter (in) Weight (lbs/ft) Attach A (in) Attach B (in) Tension (bs) Description Attach B (in) Tension (bs) Description Attach B (in) Tension (bs) Description	ARM / BRACKET D	DATA							
10° Single Pole Top Post 3° Single Xarm (3-5/8x4-5/3) 7° 28% 12% SPANS Span: 1			vert	Loading	Horz Loading				
SPANS Span: 1 Span Length (ft): 193 Direction: 275°	10" Single Pole Top Po	st 4*	149	6	63%				
SPANS Span: 1 Span Length (ft): 193 Direction: 275°		-5/R\ 7*	200		4.04%				
Circuit: 1 Primary			207	6	1270				
Primary Ruling Span (ft) Offset (in) Attach A (in) Attach B (in) Tension 1802	Spool Rack SPANS	78"			1270				
1/0 ACSR (6/1) 200 D -11 -11 1802 1/0 ACSR (6/1) 200 -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 D 78 42 1802 Joint Use Joint Use Cable 6.6M (1/4) + 0.75" TELCO 200 D 97 0.39 D 119 Tension (ibs) Description 190° Span: 2 Span Length (ft): 180 Direction: 90° Circuit: 1 Primary Ruling Span (ft) 200 D 44 -5 6 1802 1/0 ACSR (6/1) 200 D -11 -11 1802 1/0 ACSR (6/1) 200 D -11 -11 1802 1/0 ACSR (6/1) 200 D -11 -11 1802 1/0 ACSR (6/1) 200 D -44 -5 6 1802 1/0 ACSR (6/1) 200 D -44 -5 6 1802 1/0 ACSR (6/1) 200 D -44 -5 6 1802 1/0 ACSR (6/1) 200 D -44 -5 6 1802 1/0 ACSR (6/1) 200 D -44 -5 6 1802 1/0 ACSR (6/1) 200 D -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 D -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 D -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 D -44 -5 6 1802 Joint Use Joint Use Cable Ruling Span (ft) Diameter (in) Weight (ibs/ft) Attach A (in) Attach B (in) Tension (ibs) Description	SPANS Span: 1 Span	78"			1270				
Neutral 1/0 ACSR (6/1) 200	SPANS Span: 1 Span Circuit: 1	79" Length (ft): 193	Direction	n: 275°		B(in) Te	ension		
Neutral	SPANS Span: 1 Span Circuit: 1 Primary 1/0 ACSR (6/1)	78" Length (ft): 193 Ruling Span (ft) 200	Direction Offset (in	1: 275°) Attach A	(in) Attach	B (in) Te	1802		
Joint Use Joint Use Cable G.GM (1/4) + 0.75" TELCO Span: 2 Span Length (ft): 180 Direction: 90° Circuit: 1 Frimary Ruling Span (ft) 200 44 -5 6 1802 1/0 ACSR (6/1) 200 D -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Cable Ruling Span (ft) Diameter (in) Weight (ibs/ft) Attach A (in) Attach B (in) Tenson 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Cable Ruling Span (ft) Diameter (in) Weight (ibs/ft) Attach A (in) Attach B (in) Tenson 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802	SPANS Span: 1 Span Circuit: 1 Frimary 1/0 ACSR (6/1) 1/0 ACSR (6/1)	79" Length (ft): 193 Ruling Span (ft) 200 200	Direction Offset (in	n: 275°) Attach A	(in) Attach 6 -11	B (in) Te	1802 1802		
Joint Use Cable 6.6M (1/4) + 0.75" TELCO 200 Diameter (in) 0.97 Diameter (in) 0.98 Diameter (in) 0.99 Diameter (in) Diameter	SPANS Span: 1 Span Circuit: 1 Frimary 1/0 ACSR (6/1) 1/0 ACSR (6/1)	79" Length (ft): 193 Ruling Span (ft) 200 200	Direction Offset (in	n: 275°) Attach A	(in) Attach 6 -11	B (in) Te	1802 1802		
6.6M (1/4) + 0.75" TELCO 200 0.97 0.39 119 119 1564 Span: 2 Span Length (ft): 180 Direction: 90° Circuit: 1 Frimary Ruling Span (ft) Offset (in) Attach A (in) Attach B (in) Tension 1/0 ACSR (6/1) 200 44 -5 6 1802 1/0 ACSR (6/1) 200 5 -11 -11 1802 1/0 ACSR (6/1) 200 -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Cable Ruling Span (ft) Diameter (in) Weight (lbs/ft) Attach A (in) Attach B (in) Tension (bs) Description	Spool Rack SPANS Span: 1	Ruling Span (ft) 200 200 200	Offset (in 44 0 -44	n: 275°) Attach A -5 -11 -5	(in) Attach 6 -11 6	B (in) Te	1802 1802 1802		
Circuit: 1 Primary Ruling Span (ft) Offset (in) Attach A (in) Attach B (in) Tension 1/0 ACSR (6/1) 200 44 -5 6 1802 1/0 ACSR (6/1) 200 0 -11 -11 1802 1/0 ACSR (6/1) 200 -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Cable Ruling Span (ft) Diameter (in) Weight (lbs/ft) Attach A (in) Attach B (in) Tension (ibs) Description	Spool Rack SPANS Span: 1 Span Circuit: 1 Frimary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Joint Use	79" Length (ft): 193 Ruling Span (ft) 200 200 200	Direction Offset (in 44 5 -44	n: 275°) Attach A -5 -11 -5 78	(in) Attach 6 -11 6 42		1802 1802 1802		
Frimary Ruling Span (ft) Offset (in) Attach A (in) Attach B (in) Tension 1/0 ACSR (6/1) 200 44 -5 6 1802 1/0 ACSR (6/1) 200 0 -11 -11 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Cable Ruling Span (ft) Diameter (in) Weight (lbs/ft) Attach A (in) Attach B (in) Tension (bs) Description	SPANS Span: 1 Span Circuit: 1 Frimary 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	79" Length (ft): 193 Ruling Span (ft) 200 200 200 200 Ruling Span (ft)	Offset (in 44 D -44 1	n: 275° Attach A -5 -11 -5 78 Weight (lbs/ft)	(in) Attach 6 -11 6 42 Attach A (in)	Attach B (in)	1802 1802 1802 1802 Tension (ibs)	Description	
1/0 ACSR (6/1) 200 44 -5 6 1802 1/0 ACSR (6/1) 200 D -11 -11 1802 1/0 ACSR (6/1) 200 -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Cable Ruling Span (ft) Diameter (in) Weight (ibs/ft) Attach A (in) Attach B (in) Tension (ibs) Description	SPANS Span: 1 Span Circuit: 1 Frimary 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 6.6M (1/4) + 0.75" TELC Span: 2 Span	Ruling Span (ft) 200 200 200 200 Ruling Span (ft) 0 200	Offset (in 44 b -44 1 1 Diameter (in) 0.97	n: 275° Attach A -5 -11 -5 78 Weight (lbs/ft) 0.36	(in) Attach 6 -11 6 42 Attach A (in)	Attach B (in)	1802 1802 1802 1802 Tension (ibs)	Descrption	
1/0 ACSR (6/1) 200 0 -11 -11 1802 1/0 ACSR (6/1) 200 -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Cable Ruling Span (ft) Diameter (in) Weight (lbs/ft) Attach A (in) Attach B (in) Tension (ibs) Description	SPANS Span: 1 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 Cable 6.6M (1/4) + 0.75" TELC Span: 2 Span Circuit: 1	Ruling Span (ft) 200 200 200 200 Ruling Span (ft) 0 200 Ruling Span (ft) 0 Length (ft): 180	Direction Offset (in 44 0 -44 1 Olameter (in) 0.97 Direction	n: 275° Attach A -5 -11 -5 78 Weight (ibs/ft) 0.39 n: 90°	(in) Attach 6 -11 6 42 Attach A (in) 119	Attach E (in)	1802 1802 1802 1802 Tension (ibs) 1564	Description	
1/0 ACSR (6/1) 200 -44 -5 6 1802 Neutral 1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Cable Ruling Span (ft) Diameter (in) Weight (lbs/ft) Attach A (in) Attach B (in) Tension (bs) Description	Spool Rack SPANS Span: 1 Span Circuit: 1 Frimary 1/0 ACSR (6/1) 1/0 ACSR (6/1) 1/0 ACSR (6/1) Neutral 1/0 ACSR (6/1) Ventral 1/0 ACSR (6/1) Joint Use Joint Use Cable 6.6M (1/4) + 0.75" TELC Span: 2 Span Circuit: 1 Frimary	Ruling Span (ft) 200 200 200 200 200 Length (ft): 180 Ruling Span (ft)	Direction Offset (in 44 0 -44 1 Diameter (in) 0.97 Direction	1: 275° Attach A -5 -11 -5 78 Weight (Ibs/ft) 0.38 1: 90°	(in) Attach 6 -11 6 42 Attach A (in) 119	Attach E (in)	1802 1802 1802 1802 Tension (ibs) 1564	Descrption	
1/0 ACSR (6/1) 200 1 78 42 1802 Joint Use Joint Use Cable Ruling Span (ft) Diameter (in) Weight (lbs/ft) Attach A (in) Attach B (in) Tension (bs) Description	Spool Rack SPANS Span: 1	Ruling Span (ft) 200 200 200 200 200 Length (ft): 180 Ruling Span (ft) 200 Ruling Span (ft) 200 Ruling Span (ft)	Direction Offset (in 44 5 -44 1 Diameter (in) 0.97 Direction Offset (in 44	1: 275° Attach A -5 -11 -5 78 Weight (lbs/ft) 0.36 1: 90°	(in) Attach 6 -11 6 42 Attach A (in) 119 (in) Attach 6	Attach E (in)	1802 1802 1802 1802 Tension (ibs) 1564	Description	
Joint Use Cable Ruling Span (ft) Diameter (in) Weight (lbs/ft) Attach A (in) Attach B (in) Tension (ibs) Description	Spool Rack SPANS Span: 1	Ruling Span (ft) 200 200 200 200 Ruling Span (ft) 200 Length (ft): 180 Ruling Span (ft) 200 Ruling Span (ft) 200 Length (ft): 180	Direction Offset (in 44 0 -44 1 Diameter (in) 0.97 Direction Offset (in 44 0	n: 275° Attach A -5 -11 -5 78 Weight (ibs/ft) 0.39 n: 90° Attach A -5 -11	(in) Attach 6 -11 6 42 Attach A (in) 119 (in) Attach 6 -11	Attach E (in)	1802 1802 1802 1802 Tension (ibs) 1564	Description	
Joint Use Cable Ruling Span (ft) Diameter (in) Weight (lbs/ft) Attach A (in) Attach B (in) Tension (ibs) Description	Spool Rack SPANS Span: 1	Ruling Span (ft) 200 200 200 200 Ruling Span (ft) 200 Constant (ft) 200 Ruling Span (ft) 200 Length (ft): 180 Ruling Span (ft) 200 200 200 200	Direction Offset (in 44 0 -44 1 Diameter (in) 0.97 Direction Offset (in 44 0 -44	n: 275° Attach A -5 -11 -5 78 Weight (ibs/ft) 0.39 n: 90° Attach A -5 -11 -5	(in) Attach 6 -11 6 42 Attach A (in) 119 (in) Attach 6 -11 6	Attach E (in)	1802 1802 1802 1802 Tension (ibs) 1564	Description	
6.6M (1/4) + 0.75° TELCO 200 0.97 0.39 119 119 1564	Spool Rack SPANS Span: 1	Ruling Span (ft) 200 200 200 200 Ruling Span (ft) 200 Constant (ft) 200 Ruling Span (ft) 200 Length (ft): 180 Ruling Span (ft) 200 200 200 200	Direction Offset (in 44 0 -44 1 Diameter (in) 0.97 Direction Offset (in 44 0 -44	n: 275° Attach A -5 -11 -5 78 Weight (ibs/ft) 0.39 n: 90° Attach A -5 -11 -5	(in) Attach 6 -11 6 42 Attach A (in) 119 (in) Attach 6 -11 6	Attach E (in)	1802 1802 1802 1802 Tension (ibs) 1564	Descrption	
	Spool Rack SPANS Span: 1	Ruling Span (ft) 200 200 200 200 200 Length (ft): 180 Ruling Span (ft) 200 Length (ft): 180 Ruling Span (ft) 200 200 200 200 200 Ruling Span (ft)	Direction Offset (in 44 0 -44 1 Diameter (in) 0.97 Direction Offset (in 44 0 -44 1 Diameter (in)	1: 275° Attach A -5 -11 -5 78 Weight (lbs/ft) 0.38 1: 90° Attach A -5 -11 -5 78 Weight (lbs/ft)	(in) Attach 6 -11 6 42 Attach A (in) 119 4ttach A (in) 42 Attach A (in)	Attach B (in) 119 B (in) Te	1802 1802 1802 1802 Tension (ibs) 1564 Inson 1802 1802 1802 1802 Tension (ibs)		

