

Circuit 'Circuit 1' Section #276 from structure #69B to structure #Hudson Sub 1, start set #25 ', end set #3 '3'

Cable 'C:\Users\10138\OneDrive - Stanley Consultants Inc\Desktop\WORK\GUC\Phase 2 - POD3 to Simpson Tline\PLS-1\PLS-CADD\WIR\narcissus_aac - 3000.wir', Ruling span (ft) 153.452

Sagging data: Catenary (ft) 2469.6, Horiz. Tension (lbs) 2948.7 Condition I Temperature (deg F) 60

Weather case for final after creep 60 Deg F, Equivalent to 17.8 (deg F) temperature increase

Weather cases for final after load:

'NESC Medium District Loading (250B)'

'NESC Extreme Wind (250C)'

'NESC Concurrent Ice and Wind (250D)' (controlling case), Equivalent to 19.2 (deg F) temperature increase

'Extreme Ice'

Ruling Span Sag Tension Report

Row #	Weather Case #	Weather Case Description	Cable Load Hor. Load (lbs/ft)	Cable Load Vert Load (lbs/ft)	Cable Load Res. Load (lbs/ft)	R.S. Initial Cond. Max. Tens. (lbs)	R.S. Initial Cond. Hori. Tens. (lbs)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (ft)	R.S. Initial Cond. R.S. Sag (ft)
1	1	NESC Medium District Loading (250B)	0.6	1.68	1.98	6054	6042	28	3051	0.96
2	2	NESC Extreme Wind (250C)	3.67	1.19	3.86	5231	5218	24	1351	2.18
3	3	NESC Concurrent Ice and Wind (250D)	1.13	4.05	4.21	7277	7251	33	1723	1.71
4	4	Extreme Ice	0	4.05	4.05	6443	6417	29	1583	1.86

Section #219 from structure #69A to structure #Hudson Sub 2, start set #21 ', end set #2 '2'

Cable 'C:\Users\10138\OneDrive - Stanley Consultants Inc\Desktop\WORK\GUC\Phase 2 - POD3 to Simpson Tline\PLS-1\PLS-CADD\WIR\7no_9_alumoweld - 2000.wir', Ruling span (ft) 154.92

Sagging data: Catenary (ft) 6505.2, Horiz. Tension (lbs) 1350.48 Condition I Temperature (deg F) 60

Weather case for final after creep 60 Deg F, Equivalent to 26.2 (deg F) temperature increase

Weather cases for final after load:

'NESC Medium District Loading (250B)'

'NESC Extreme Wind (250C)'

'NESC Concurrent Ice and Wind (250D)' (controlling case), Equivalent to 9.3 (deg F) temperature increase

'Extreme Ice'

Ruling Span Sag Tension Report

Row #	Weather Case #	Weather Case Description	Cable Load Hor. Load (lbs/ft)	Cable Load Vert Load (lbs/ft)	Cable Load Res. Load (lbs/ft)	R.S. Initial Cond. Max. Tens. (lbs)	R.S. Initial Cond. Hori. Tens. (lbs)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (ft)	R.S. Initial Cond. R.S. Sag (ft)
1	1	NESC Medium District Loading (250B)	0.28	0.39	0.68	2000	1992	16	2920	1.03
2	2	NESC Extreme Wind (250C)	1.01	0.21	1.03	1814	1811	14	1758	1.71
3	3	NESC Concurrent Ice and Wind (250D)	0.8	1.88	2.04	2718	2696	22	1321	2.27
4	4	Extreme Ice	0	1.88	1.88	2518	2496	20	1329	2.26