

TR Řípov - rek.R110kV, sek.tech., VS, PZTS
Montážní tabulky pro FV
V5523

Stringing Chart Report

Section #25 from structure #82 to structure #V5523N, start set #3 'LS', end set #1 ''
 Cable 'O:\PROLinCZPHA\22129_TR Řípov-rek_R110KV\PLS\lana\243_all_39_stla-30°C', Ruling span (m) 80.7602
 Sagging data: Catenary (m) 320, Horiz. Tension (N) 3101.44 Condition C Temperature (deg C) -5
 Weather case for final after creep 80°C, Equivalent to 30.0 (deg C) temperature increase
 Weather case for final after load 40°C, Equivalent to 0.1 (deg C) temperature increase
 Results below for condition 'Initial FE'
 Calculations done using actual span lengths and vertical projections

+ Span From + + Span To +			Span	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Left	Span			
Str.	Set	Ph.	Str.	Set	Ph.	Length	Span	Span	Span	Span	Span	Span	Span	Span	Span	Span	Span	Span	Struct	Vertical			
							Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Number	Projection			
						(m)	-20 C	-15 C	-10 C	-5 C	0 C	5 C	10 C	15 C	20 C	25 C	30 C	35 C	40 C	45 C	50 C		
						(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		
82	3		1V5523N	1	1	83.1	2.79	2.82	2.86	2.89	2.93	2.96	3.00	3.03	3.06	3.09	3.13	3.16	3.19	3.22	3.25	82	-19.95

+ Span From + + Span To +			Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz
Str.	Set	Ph.	Str.	Set	Ph.	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension
						-20 C	-15 C	-10 C	-5 C	0 C	5 C	10 C	15 C	20 C	25 C	30 C	35 C	40 C	45 C	50 C
						(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)
82	3		1V5523N	1	1	3447	3403	3361	3322	3280	3242	3205	3169	3135	3101	3069	3037	3008	2978	2949

TR Říčov - rek.R110kV, sek.tech., VS, PZTS
Montážní tabulky pro FV
V5523

Stringing Chart Report

Section #33 from structure #82 to structure #V5523N, start set #4 'PS', end set #2 ''

Cable 'O:\PROLinCZPHA\22129_TR Říčov-rek_R110KV\PLS\lana\243_all_39_stla-30°C', Ruling span (m) 80.0737

Sagging data: Catenary (m) 320, Horiz. Tension (N) 3101.44 Condition C Temperature (deg C) -5

Weather case for final after creep 80°C, Equivalent to 30.0 (deg C) temperature increase

Weather case for final after load 40°C, Equivalent to 0.1 (deg C) temperature increase

Results below for condition 'Initial FE'

Calculations done using actual span lengths and vertical projections

+ Span From + + Span To +			Span		Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Left	Span		
Str.	Set	Ph.	Str.	Set	Ph.	Length	Span	Span	Span	Span	Span	Span	Span	Span	Span	Span	Span	Span	Span	Struct	Vertical		
						Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Number	Projection		
						-20 C	-15 C	-10 C	-5 C	0 C	5 C	10 C	15 C	20 C	25 C	30 C	35 C	40 C	45 C	50 C			
						(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		(m)		
82	4	1V5523N	2	1		82.4	2.75	2.78	2.82	2.85	2.89	2.92	2.96	2.99	3.02	3.05	3.09	3.12	3.15	3.18	3.21	82	-19.95

+ Span From	+ Span To	+ Span	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz
Str. Set Ph.	Str. Set Ph.	Ph.	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension
			-20 C	-15 C	-10 C	-5 C	0 C	5 C	10 C	15 C	20 C	25 C	30 C	35 C	40 C	45 C	50 C			
			(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)
82	4	1V5523N	2	1	3446	3402	3360	3321	3279	3240	3203	3167	3132	3098	3066	3034	3005	2975	2946	

TR Řípov - rek.R110kV, sek.tech., VS, PZTS
Montážní tabulky pro FV
V5523

Stringing Chart Report

Section #44 from structure #82 to structure #V5523N, start set #6 'PD', end set #3 ''

Cable 'O:\PROLinCZPHA\22129_TR Řípov-rek_R110KV\PLS\lana\243_all_39_st1a-30°C', Ruling span (m) 82.1027

Sagging data: Catenary (m) 320, Horiz. Tension (N) 3101.44 Condition C Temperature (deg C) -5

Weather case for final after creep 80°C, Equivalent to 30.0 (deg C) temperature increase

Weather case for final after load 40°C, Equivalent to 0.1 (deg C) temperature increase

Results below for condition 'Initial FE'

Calculations done using actual span lengths and vertical projections

+ Span From + + Span To +			Span		Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Mid	Left	Span		
Str.	Set	Ph.	Str.	Set	Ph.	Length	Span	Span	Span	Span	Span	Span	Span	Span	Span	Span	Span	Span	Span	Struct	Vertical		
						Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Sag	Number	Projection		
						-20 C	-15 C	-10 C	-5 C	0 C	5 C	10 C	15 C	20 C	25 C	30 C	35 C	40 C	45 C	50 C			
						(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)		(m)		
82	6	1V5523N	3	1		83.6	2.81	2.84	2.88	2.91	2.94	2.98	3.01	3.04	3.07	3.11	3.14	3.17	3.20	3.23	3.26	82	-16.15

+ Span From	+ Span To	+ Span	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz	Horiz
Str. Set Ph.	Str. Set Ph.	Ph.	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension	Tension
			-20 C	-15 C	-10 C	-5 C	0 C	5 C	10 C	15 C	20 C	25 C	30 C	35 C	40 C	45 C	50 C			
			(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)	(N)
82	6	1V5523N	3	1	3436	3394	3353	3316	3276	3239	3203	3168	3135	3102	3070	3039	3009	2982	2954	