

**GREENVILLE UTILITIES COMMISSION
GREENVILLE, NORTH CAROLINA**

**TUBULAR STEEL STRUCTURES
FOR THE
230 POD TO BELLS FORK
115 kV TRANSMISSION LINE**

SCHEDULE 1

**STEEL TRANSMISSION STRUCTURES
GALVANIZED STEEL A572, GRADE 65
WITH CORROCOTE BELOW GRADE PROTECTION & GROUND SLEEVE**

Structure Number	Pole Ht./Class *	Min. Moment Capacity 5' From Top (ft-kips)	Direct Embedment Depth **	Quantity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission & Distribution Poles – Direct Embedded (with Ground Sleeve)							
GUC-TAP-1A	50/S-03.5	27	9'-0"	1		\$	\$
GUC-TAP-1B	50/S-03.5	27	9'-0"	1		\$	\$
GUC-TAP-1C	50/S-03.5	27	9'-0"	1		\$	\$
1-1 Omitted	45/S-02.9	23	8'-6"	1		\$	\$
4-1 Omitted	45/S-02.9	23	6'-6"	1		\$	\$
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* Pole class designation will be defined by either the current RUS Standard Steel Pole Class or as an Unguyed Designation.
 ** Ground sleeve is to be applied to direct embedment structures at the appropriate height per the “embedment depth” table.
 *** Manufacturer to provide recommendation for bearing plate thickness.

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Structure Number	Pole Ht./Class *	Min. Moment Capacity 5' From Top (ft-kips)	Caisson Diameter	Caisson Thickness	Embedment Depth	Quantity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles – Vibratory Pole Base (VPB)									
2A	90/ENG	Per LT	3'-0"	0.375"	30'-0"	1		\$	\$
3A	85/ENG	Per LT	3'-0"	0.375"	30'-0"	1		\$	\$
2	110/S-08.0	64	3'-0"	0.375"	30'-0"	1		\$	\$
3	110/S-09.0	72	3'-0"	0.375"	30'-0"	1		\$	\$
4	105/S-08.0	64	3'-0"	0.375"	25'-0"	1		\$	\$
5	105/S-06.5	50	3'-0"	0.375"	25'-0"	1		\$	\$
6	105/S-05.7	44	3'-0"	0.375"	25'-0"	1		\$	\$
7	105/S-05.7	44	3'-0"	0.375"	25'-0"	1		\$	\$
8	105/S-08.0	64	3'-0"	0.375"	25'-0"	1		\$	\$
9	105/S-10.0	80	3'-0"	0.375"	25'-0"	1		\$	\$
10	105/S-08.0	64	3'-0"	0.375"	25'-0"	1		\$	\$
11	110/S-10.0	80	3'-0"	0.375"	30'-0"	1		\$	\$
12	115/S-10.0	80	3'-0"	0.375"	30'-0"	1		\$	\$
13	115/S-12.0	96	3'-0"	0.375"	35'-0"	1		\$	\$
15	110/S-08.0	64	3'-0"	0.375"	30'-0"	1		\$	\$
16	115/S-10.0	80	3'-0"	0.375"	35'-0"	1		\$	\$
17	110/S-09.0	72	3'-0"	0.375"	30'-0"	1		\$	\$
18	105/S-09.0	72	3'-0"	0.375"	25'-0"	1		\$	\$
19	105/S-08.0	64	3'-0"	0.375"	25'-0"	1		\$	\$
20	95/S-08.0	64	3'-0"	0.375"	20'-0"	1		\$	\$
21	100/S-10.0	80	3'-0"	0.375"	25'-0"	1		\$	\$
22	100/S-08.0	64	3'-0"	0.375"	20'-0"	1		\$	\$

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Structure Number	Pole Ht./Class *	Min. Moment Capacity 5' From Top (ft-kips)	Caisson Diameter	Minimum Caisson Thickness	Embedment Depth	Quantity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles – Vibratory Pole Base (VPB)									
23	100/S-08.0	64	3'-0"	0.375"	20'-0"	1		\$	\$
24	95/S-08.0	64	3'-0"	0.375"	20'-0"	1		\$	\$
25	100/S-08.0	64	3'-0"	0.375"	20'-0"	1		\$	\$
26	100/S-09.0	72	3'-0"	0.375"	20'-0"	1		\$	\$
27	100/S-09.0	72	3'-0"	0.375"	20'-0"	1		\$	\$
28	100/S-09.0	72	3'-0"	0.375"	20'-0"	1		\$	\$
29	100/S-08.0	64	3'-0"	0.375"	20'-0"	1		\$	\$
30	100/S-09.0	72	3'-0"	0.375"	20'-0"	1		\$	\$
31	110/S-08.0	64	3'-0"	0.375"	20'-0"	1		\$	\$
32	120/S-12.0	96	3'-0"	0.375"	25'-0"	1		\$	\$
34	115/S-11.0	88	3'-0"	0.375"	25'-0"	1		\$	\$
35	115/S-11.0	88	3'-0"	0.375"	25'-0"	1		\$	\$
36	115/S-12.0	96	3'-0"	0.375"	25'-0"	1		\$	\$
37	115/S-11.0	88	3'-0"	0.375"	25'-0"	1		\$	\$
38	115/S-11.0	88	3'-0"	0.375"	25'-0"	1		\$	\$
39	120/S-13.0	104	3'-0"	0.375"	30'-0"	1		\$	\$
39A	115/S-08.0	64	3'-0"	0.375"	25'-0"	1		\$	\$
40	115/S-09.0	72	3'-0"	0.375"	25'-0"	1		\$	\$
41	115/S-07.4	57	3'-0"	0.375"	25'-0"	1		\$	\$
42	115/S-11.0	88	3'-0"	0.375"	25'-0"	1		\$	\$
43	115/S-12.0	96	3'-0"	0.375"	25'-0"	1		\$	\$
44	120/S-14.0	112	3'-0"	0.375"	30'-0"	1		\$	\$
45	115/S-07.4	57	3'-0"	0.375"	25'-0"	1		\$	\$
46	115/S-07.4	57	3'-0"	0.375"	25'-0"	1		\$	\$

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Structure Number	Pole Ht./Class *	Min. Moment Capacity 5' From Top (ft-kips)	Caisson Diameter	Minimum Caisson Thickness	Embedment Depth	Quantity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles – Vibratory Pole Base (VPB)									
47	115/S-07.4	57	3'-0"	0.375"	25'-0"	1		\$	\$
48	115/S-09.0	72	3'-0"	0.375"	25'-0"	1		\$	\$
49	115/S-10.0	80	3'-0"	0.375"	25'-0"	1		\$	\$
50	110/S-08.0	64	3'-0"	0.375"	25'-0"	1		\$	\$
51	110/S-13.0	104	3'-0"	0.375"	25'-0"	1		\$	\$
52	110/S-09.0	72	3'-0"	0.375"	25'-0"	1		\$	\$
53	115/S-09.0	72	3'-0"	0.375"	30'-0"	1		\$	\$
54	125/S-14.0	112	3'-0"	0.375"	35'-0"	1		\$	\$
55	115/S-09.0	72	3'-0"	0.375"	30'-0"	1		\$	\$
56	120/ENG	Per LT	4'-0"	0.375"	35'-0"	1		\$	\$
57	130/ENG	Per LT	4'-0"	0.375"	35'-0"	1		\$	\$
58	115/ENG	Per LT	3'-0"	0.375"	30'-0"	1		\$	\$
59	115/S-14.0	112	3'-0"	0.375"	30'-0"	1		\$	\$
60	115/S-10.0	80	3'-0"	0.375"	30'-0"	1		\$	\$
61	115/S-11.0	88	3'-0"	0.375"	30'-0"	1		\$	\$
62	115/S-14.0	112	3'-0"	0.375"	30'-0"	1		\$	\$
63	115/S-10.0	80	3'-0"	0.375"	30'-0"	1		\$	\$
64	115/S-09.0	72	3'-0"	0.375"	30'-0"	1		\$	\$
65	120/ENG	Per LT	3'-0"	0.375"	35'-0"	1		\$	\$
66	120/ENG	Per LT	3'-0"	0.375"	35'-0"	1		\$	\$
67	120/ENG	Per LT	3'-0"	0.375"	35'-0"	1		\$	\$
68	120/S-15.0	120	3'-0"	0.375"	35'-0"	1		\$	\$
69	120/S-11.0	88	3'-0"	0.375"	35'-0"	1		\$	\$
70	120/S-14.0	112	3'-0"	0.375"	35'-0"	1		\$	\$

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Structure Number	Pole Ht./Class *	Min. Moment Capacity 5' From Top (ft-kips)	Caisson Diameter	Minimum Caisson Thickness	Embedment Depth	Quantity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles – Vibratory Pole Base (VPB)									
71	120/S-14.0	112	3'-0"	0.375"	35'-0"	1		\$	\$
72	110/S-12.0	96	3'-0"	0.375"	25'-0"	1		\$	\$
72A	105/S-10.0	80	3'-0"	0.375"	20'-0"	1		\$	\$
73	120/S-13.0	104	3'-0"	0.375"	35'-0"	1		\$	\$
74	110/S-12.0	96	3'-0"	0.375"	25'-0"	1		\$	\$
75	110/S-15.0	120	3'-0"	0.375"	25'-0"	1		\$	\$
75A	110/S-14.0	112	3'-0"	0.375"	25'-0"	1		\$	\$
76	110/S-13.0	104	3'-0"	0.375"	25'-0"	1		\$	\$
77	110/S-14.0	112	3'-0"	0.375"	25'-0"	1		\$	\$
78	110/S-13.0	104	3'-0"	0.375"	25'-0"	1		\$	\$
79	110/S-12.0	96	3'-0"	0.375"	25'-0"	1		\$	\$
80	105/S-10.0	80	3'-0"	0.375"	20'-0"	1		\$	\$
81	110/S-09.0	72	3'-0"	0.375"	25'-0"	1		\$	\$
82	115/S-10.0	80	3'-0"	0.375"	30'-0"	1		\$	\$
83	125/S-08.0 Omitted	64	3'-0"	0.375"	30'-0"	1		\$	\$
84	110/S-10.0	80	3'-0"	0.375"	25'-0"	1		\$	\$
85	120/S-16.0	128	3'-0"	0.375"	35'-0"	1		\$	\$
86	110/S-10.0	80	3'-0"	0.375"	25'-0"	1		\$	\$
88	115/S-09.0	72	3'-0"	0.375"	25'-0"	1		\$	\$
90	115/ENG	Per LT	4'-0"	0.375"	25'-0"	1		\$	\$
91	105/S-09.0	72	3'-0"	0.375"	20'-0"	1		\$	\$

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Structure Number	Pole Ht./Class *	Caisson Diameter	Minimum Caisson Thickness	Vibratory Embedment Depth	Quantity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles – Surface Mounted Flange Vibratory Pole Base (VPB)								
1	85/ENG**	***	***	***	1		\$	\$
4A	90/ENG**	***	***	***	1		\$	\$
14	80/ENG**	***	***	***	1		\$	\$
33	95/ENG**	***	***	***	1		\$	\$
87	85/ENG**	***	***	***	1		\$	\$
89	85/ENG**	***	***	***	1		\$	\$
92	75/ENG**	***	***	***	1		\$	\$
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* Pole class designation will be defined by either the current RUS Standard Steel Pole Class or as an Unguyed Designation.
 ** See Load Trees in Attachment B.
 *** See Schedule 2 for foundation requirements.

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SCHEDULE 2

**STEEL TRANSMISSION STRUCTURES
GALVANIZED STEEL A572, GRADE 65
WITH CORROCOTE BELOW GRADE PROTECTION**

Structure Number	Caisson Diameter	Minimum Caisson Thickness	Vibratory Embedment Depth + 2' Above Grade	Quantity	Unit Weight (lbs)	Unit Price	Extended Price
Transmission Poles – Flanged Vibratory Pole Base (VPB-F)							
1	5'-0"	0.375"	47'-0"	1		\$	\$
4A	3'-0"	0.5"	37'-0"	1		\$	\$
14	4'-0"	0.375"	37'-0"	1		\$	\$
33	4'-0"	0.75"	37'-0"	1		\$	\$
87	4'-0"	0.75"	42'-0"	1		\$	\$
89	5'-0"	0.75"	37'-0"	1		\$	\$
92	4'-0"	0.75"	32'-0"	1		\$	\$
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* Pole class designation will be defined by either the current RUS Standard Steel Pole Class or as an Unguyed Designation.
 ** See Load Trees in Attachment B