CLIENT:	Invenergy		
PROJECT:	Canisteo 115 kV Transmission Line		
JOB NUMBER:	INV-234		
PREPARED BY:	J. Salyer		
CHECKED BY:	A. White		

TRANSMISSION LINE STRUCTURE STAKING SHEET

STRUCTURE SHEET:	T005-1	OF	T005-12
PLAN & PROFILE SHEET:	T004-1	OF	T004-1
DATE: 15-Feb-18	REVISION:		B

TRANSMISSION CONDUCTOR:	1272 kcmil 45/7 ACSR "Bittern"
DISTRIBUTION CONDUCTOR :	
OPGW:	48 Fiber AlumaCore AC-34/52/646
SHIELD WIRE :	3/8" 7 Strand EHS Steel
GUY WIRE :	1" 19-Strand EHS Steel

STRUCTURE NUMBER	STATION NUMBER	BACK SPAN	HORIZONTAL ANGLE	POLE CLASS & LENGTH	POLETOP ASSEMBLY	FOUNDATION/EMBEDMENT ASSEMBLY	GROUNDING ASSEMBLY	GUYING ASSEMBLY	MISC. ASSEMBLY	CONSTRUCTION NOTES
SUB DEADEND	0 + 04								TM-DEA	
2	1 + 54	150		60` TDE-115S-2	TDE-115S-J, TM-OPGW-DE	TM-CAISSON 6.5' X 19.5'	TM-SPG		TM-FS	
3	7 + 06	552		H9/115'	TSP-115S-M1, TM-OPGW	TM-101 4.5' X 13.5'	TM-SPG			
4	11 + 61	455	RT 56° 11' 46''	100` TS-115S-60	TS-115S-LA, TM-OPGW-RA	TM-CAISSON 8' X 24'	TM-SPG			
5	18 + 54	694		H8/85'	TSP-115S, TM-OPGW	TM-101 4' X 10.5'	TM-SPG			
6	25 + 16	662		H9/90'	TSP-115S, TM-OPGW	TM-101 4' X 11'	TM-SPG			
7	32 + 04	688		H8/85'	TSP-115S, TM-OPGW	TM-101 4' X 10.5'	TM-SPG			
8	38 + 84	680		H9/90'	TSP-115S, TM-OPGW	TM-101 4' X 11'	TM-SPG			
9	45 + 64	680		H8/85'	TSP-115S, TM-OPGW	TM-101 4' X 10.5'	TM-SPG			
10	52 + 44	680		H9/90'	TSP-115S, TM-OPGW	TM-101 4' X 11'	TM-SPG			
11	59 + 24	680		H8/85'	TSP-115S, TM-OPGW	TM-101 4' X 10.5'	TM-SPG			

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	QTY	CONDUCTORS & OHGW
1	60` TDE-115S-2			1	TM-OPGW-RA	1	TM-101 4.5' X 13.5'	10	TM-SPG			1	TM-FS	--	1272 kcmil 45/7 ACSR "Bittern"
1	100` TS-115S-60			1	TS-115S-LA	1	TM-CAISSON 6.5' X 19.5					1	TM-DEA	--	48 Fiber AlumaCore AC-34/52/646
1	H9/115'			1	TDE-115S-J	1	TM-CAISSON 8' X 24'							--	3/8" 7 Strand EHS Steel
3	H9/90'			1	TM-OPGW-DE	3	TM-101 4' X 11'								
4	H8/85'			1	TSP-115S-M1	4	TM-101 4' X 10.5'								
				7	TSP-115S										
				8	TM-OPGW										

CLIENT:	Invenergy		
PROJECT:	Canisteo 115 kV Transmission Line		
JOB NUMBER:	INV-234		
PREPARED BY:	J. Salyer		
CHECKED BY:	A. White		

TRANSMISSION LINE STRUCTURE STAKING SHEET

STRUCTURE SHEET:	T005-2	OF	T005-12
PLAN & PROFILE SHEET:	T004-1-2	OF	T004-1
DATE: 15-Feb-18	REVISION:		B

TRANSMISSION CONDUCTOR:	1272 kcmil 45/7 ACSR "Bittern"
DISTRIBUTION CONDUCTOR :	
OPGW:	48 Fiber AlumaCore AC-34/52/646
SHIELD WIRE :	3/8" 7 Strand EHS Steel
GUY WIRE :	1" 19-Strand EHS Steel

STRUCTURE NUMBER	STATION NUMBER	BACK SPAN	HORIZONTAL ANGLE	POLE CLASS & LENGTH	POLETOP ASSEMBLY	FOUNDATION/EMBEDMENT ASSEMBLY	GROUNDING ASSEMBLY	GUYING ASSEMBLY	MISC. ASSEMBLY	CONSTRUCTION NOTES
11	59 + 24									
12	66 + 04	680		H9/90'	TSP-115S, TM-OPGW	TM-101 4' X 11'	TM-SPG			
13	72 + 94	689	LT 30° 29' 40''	80` TS-115S-30	TS-115S-MA, TM-OPGW-RA	TM-CAISSON 6.5' X 19.5'	TM-SPG			
14	79 + 74	681		H9/90'	TSP-115S, TM-OPGW	TM-101 4' X 11'	TM-SPG			
15	86 + 28	654		H8/80'	TSP-115S, TM-OPGW	TM-101 4' X 10'	TM-SPG			
16	92 + 84	656		H9/90'	TSP-115S, TM-OPGW	TM-101 4' X 11'	TM-SPG			
17	99 + 71	687		H8/85'	TSP-115S, TM-OPGW	TM-101 4' X 10.5'	TM-SPG			
18	106 + 24	652		H8/85'	TSP-115S, TM-OPGW	TM-101 4' X 10.5'	TM-SPG			
19	113 + 50	727		H10/95'	TSP-115S, TM-OPGW	TM-101 4.5' X 11.5'	TM-SPG			
20	121 + 23	772		H10/95'	TSP-115S, TM-OPGW	TM-101 4.5' X 11.5'	TM-SPG			
21	127 + 96	674	RT 5° 12' 4''	85` TS-115S-15	TS-115S-MA, TM-OPGW-RA	TM-CAISSON 6' X 18'	TM-SPG			

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	QTY	CONDUCTORS & OHGW
1	80` TS-115S-30			2	TM-OPGW-RA	1	TM-101 4' X 10'	10	TM-SPG					--	1272 kcmil 45/7 ACSR "Bittern"
1	85` TS-115S-15			2	TS-115S-MA	1	TM-CAISSON 6.5' X 19.5							--	48 Fiber AlumaCore AC-34/52/646
1	H8/80'			8	TM-OPGW	1	TM-CAISSON 6' X 18'							--	3/8" 7 Strand EHS Steel
2	H10/95'			8	TSP-115S	2	TM-101 4' X 10.5'								
2	H8/85'					2	TM-101 4.5' X 11.5'								
3	H9/90'					3	TM-101 4' X 11'								

CLIENT:	Invenergy		
PROJECT:	Canisteo 115 kV Transmission Line		
JOB NUMBER:	INV-234		
PREPARED BY:	J. Salyer		
CHECKED BY:	A. White		

TRANSMISSION LINE STRUCTURE STAKING SHEET

STRUCTURE SHEET:	T005-3	OF	T005-12
PLAN & PROFILE SHEET:	T004-2	OF	T004-1
DATE: 15-Feb-18	REVISION:		B

TRANSMISSION CONDUCTOR:	1272 kcmil 45/7 ACSR "Bittern"
DISTRIBUTION CONDUCTOR :	
OPGW:	48 Fiber AlumaCore AC-34/52/646
SHIELD WIRE :	3/8" 7 Strand EHS Steel
GUY WIRE :	1" 19-Strand EHS Steel

STRUCTURE NUMBER	STATION NUMBER	BACK SPAN	HORIZONTAL ANGLE	POLE CLASS & LENGTH	POLETOP ASSEMBLY	FOUNDATION/EMBEDMENT ASSEMBLY	GROUNDING ASSEMBLY	GUYING ASSEMBLY	MISC. ASSEMBLY	CONSTRUCTION NOTES
21	127 + 96		RT 5° 12' 4''							
22	133 + 11	515	RT 9° 39' 9''	90` TS-115S-15	TS-115S-MA, TM-OPGW-RA	TM-CAISSON 6' X 18'	TM-SPG			
23	140 + 33	721		H10/95'	TSP-115S, TM-OPGW	TM-101 4.5' X 11.5'	TM-SPG			
24	148 + 13	780		H11/95'	TSP-115S, TM-OPGW	TM-101 4.5' X 11.5'	TM-SPG			
25	155 + 80	767	RT 41° 16' 35''	90` TS-115S-60	TS-115S-LA, TM-OPGW-RA	TM-CAISSON 7.5' X 22.5'	TM-SPG			
26	163 + 27	747		H10/90'	TSP-115S, TM-OPGW	TM-101 4.5' X 11'	TM-SPG			
27	169 + 55	628		H8/85'	TSP-115S, TM-OPGW	TM-101 4' X 10.5'	TM-SPG			
28	176 + 44	689	LT 48° 43' 9''	85` TDE-115S-50	TDE-115S-J, TM-OPGW-DE	TM-CAISSON 7' X 21'	TM-SPG		TM-FS	
29	183 + 69	725		H10/90'	TSP-115S, TM-OPGW	TM-101 4.5' X 11'	TM-SPG			
30	191 + 12	743		H10/100'	TSP-115S, TM-OPGW	TM-101 4.5' X 12'	TM-SPG			
31	198 + 07	695		H10/110'	TSP-115S, TM-OPGW	TM-101 4.5' X 13'	TM-SPG			

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	QTY	CONDUCTORS & OHGW
1	H10/100'			1	TM-OPGW-DE	1	TM-101 4.5' X 12'	10	TM-SPG			1	TM-FS	--	1272 kcmil 45/7 ACSR "Bittern"
1	85` TDE-115S-50			1	TS-115S-LA	1	TM-CAISSON 7' X 21'							--	48 Fiber AlumaCore AC-34/52/646
1	90` TS-115S-15			1	TDE-115S-J	1	TM-101 4' X 10.5'							--	3/8" 7 Strand EHS Steel
1	90` TS-115S-60			1	TS-115S-MA	1	TM-101 4.5' X 13'								
1	H10/110'			2	TM-OPGW-RA	1	TM-CAISSON 6' X 18'								
1	H10/95'			7	TM-OPGW	1	TM-CAISSON 7.5' X 22.5								
1	H11/95'			7	TSP-115S	2	TM-101 4.5' X 11.5'								
1	H8/85'					2	TM-101 4.5' X 11'								
2	H10/90'														

CLIENT:	Invenergy		
PROJECT:	Canisteo 115 kV Transmission Line		
JOB NUMBER:	INV-234		
PREPARED BY:	J. Salyer		
CHECKED BY:	A. White		

TRANSMISSION LINE STRUCTURE STAKING SHEET

STRUCTURE SHEET:	T005-4	OF	T005-12
PLAN & PROFILE SHEET:	T004-2-3	OF	T004-1
DATE: 15-Feb-18	REVISION:		B

TRANSMISSION CONDUCTOR:	1272 kcmil 45/7 ACSR "Bittern"
DISTRIBUTION CONDUCTOR :	
OPGW:	48 Fiber AlumaCore AC-34/52/646
SHIELD WIRE :	3/8" 7 Strand EHS Steel
GUY WIRE :	1" 19-Strand EHS Steel

STRUCTURE NUMBER	STATION NUMBER	BACK SPAN	HORIZONTAL ANGLE	POLE CLASS & LENGTH	POLETOP ASSEMBLY	FOUNDATION/EMBEDMENT ASSEMBLY	GROUNDING ASSEMBLY	GUYING ASSEMBLY	MISC. ASSEMBLY	CONSTRUCTION NOTES
31	198 + 07									
32	202 + 63	456	RT 20° 14' 36''	80` TS-115S-30	TS-115S-MA, TM-OPGW-RA	TM-CAISSON 6.5' X 19.5'	TM-SPG			
33	208 + 84	621		H8/80'	TSP-115S, TM-OPGW	TM-101 4' X 10'	TM-SPG			
34	214 + 97	613		H8/85'	TSP-115S, TM-OPGW	TM-101 4' X 10.5'	TM-SPG			
35	220 + 45	548		H8/80'	TSP-115S, TM-OPGW	TM-101 4' X 10'	TM-SPG			
36	226 + 47	602	LT 19° 27' 51''	75` TS-115S-20	TS-115S-MA, TM-OPGW-RA	TM-CAISSON 6' X 18'	TM-SPG			
37	233 + 29	682		H8/90'	TSP-115S, TM-OPGW	TM-101 4.5' X 11'	TM-SPG			
38	239 + 31	602	RT 16° 53' 46''	95` TS-115S-15	TS-115S-MA, TM-OPGW-RA	TM-CAISSON 6' X 18'	TM-SPG			
39	247 + 35	804		85` TS-115S-15	TSP-115S-M2, TM-OPGW	TM-CAISSON 6' X 18'	TM-SPG			
40	254 + 23	688	LT 25° 51' 59''	80` TS-115S-30	TS-115S-MA, TM-OPGW-RA	TM-CAISSON 6.5' X 19.5'	TM-SPG			
41	260 + 52	629		H9/90'	TSP-115S, TM-OPGW	TM-101 4' X 11'	TM-SPG			

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	QTY	CONDUCTORS & OHGW
1	95` TS-115S-15			1	TSP-115S-M2	1	TM-101 4' X 10.5'	10	TM-SPG					--	1272 kcmil 45/7 ACSR "Bittern"
1	H8/90'			4	TM-OPGW-RA	1	TM-101 4.5' X 11'							--	48 Fiber AlumaCore AC-34/52/646
1	H8/85'			4	TS-115S-MA	1	TM-101 4' X 11'							--	3/8" 7 Strand EHS Steel
1	75` TS-115S-20			5	TSP-115S	2	TM-101 4' X 10'								
1	85` TS-115S-15			6	TM-OPGW	2	TM-CAISSON 6.5' X 19.5								
1	H9/90'					3	TM-CAISSON 6' X 18'								
2	80` TS-115S-30														
2	H8/80'														

CLIENT:	Invenergy		
PROJECT:	Canisteo 115 kV Transmission Line		
JOB NUMBER:	INV-234		
PREPARED BY:	J. Salyer		
CHECKED BY:	A. White		

TRANSMISSION LINE STRUCTURE STAKING SHEET

STRUCTURE SHEET:	T005-5	OF	T005-12
PLAN & PROFILE SHEET:	T004-3-4	OF	T004-1
DATE: 15-Feb-18	REVISION:	B	

TRANSMISSION CONDUCTOR:	1272 kcmil 45/7 ACSR "Bittern"
DISTRIBUTION CONDUCTOR :	
OPGW:	48 Fiber AlumaCore AC-34/52/646
SHIELD WIRE :	3/8" 7 Strand EHS Steel
GUY WIRE :	1" 19-Strand EHS Steel

STRUCTURE NUMBER	STATION NUMBER	BACK SPAN	HORIZONTAL ANGLE	POLE CLASS & LENGTH	POLETOP ASSEMBLY	FOUNDATION/EMBEDMENT ASSEMBLY	GROUNDING ASSEMBLY	GUYING ASSEMBLY	MISC. ASSEMBLY	CONSTRUCTION NOTES
41	260 + 52									
42	266 + 78	626		H9/95'	TSP-115S, TM-OPGW	TM-101 4' X 11.5'	TM-SPG			
43	274 + 47	770	RT 80° 21' 25''	90` TDE-115S-90	TDE-115S-N, TM-OPGW-DE	TM-CAISSON 7.5' X 22.5'	TM-SPG			
44	282 + 65	818		H10/95'	TSP-115S, TM-OPGW	TM-101 4.5' X 11.5'	TM-SPG			
45	289 + 88	723	LT 4° 15' 16''	(3) H2/85'	TH3I-115-J, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4' X 10.5'	(3) TM-9, (3) TM-108C	(10) TA-3H, (10) TG-41A, (12) TM-DT, (10) TM-GG, (10) GSI-B, (2) TG-41D		
46	296 + 03	615		(3) H6/85'	TH3I-115-J, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4' X 10.5'	(3) TM-9, (3) TM-108C	(6) TA-3H, (6) TG-41A, (6) TM-DT, (6) TM-GG, (6) GSI-B		
47	302 + 06	604		(2) H3/90'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 4' X 11'	(2) TM-9, (2) TM-108C		TM-110	
48	309 + 38	732	LT 23° 38' 30''	(3) 130' LAM-TH3I-115-J	TH3DE-115-J, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 5' X 15'	(3) TM-9, (3) TM-108C			
49	316 + 56	717		(2) H4/75'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9.5'	(2) TM-9, (2) TM-108C		TM-110	
50	323 + 64	708	LT 20° 59' 27''	(3) 120' LAM-TH3S-115-MA	TH3S-115-MA, TM-OPGW-RA, TM-OHGW-RA	(3) TM-101 5' X 14'	(3) TM-9, (3) TM-108C			
51	328 + 55	491		(2) H4/100'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 4' X 12'	(2) TM-9, (2) TM-108C		TM-110	

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	QTY	CONDUCTORS & OHGW
1	90` TDE-115S-90			1	TH3S-115-MA	1	TM-CAISSON 7.5' X 22.5	3	TM-SPG	2	TG-41D	3	TM-110	--	1272 kcmil 45/7 ACSR "Bittern"
1	H10/95'			1	TM-OHGW-RA	1	TM-101 4' X 11.5'	18	TM-108C	16	TM-GG			--	48 Fiber AlumaCore AC-34/52/646
1	H9/95'			1	TM-OPGW-RA	1	TM-101 4.5' X 11.5'	18	TM-9	16	TG-41A			--	3/8" 7 Strand EHS Steel
2	H3/90'			1	TH3DE-115-J	2	TM-101 4' X 11'			16	TA-3H				
2	H4/100'			1	TDE-115S-N	2	TM-101 3.5' X 9.5'			16	GSI-B				
2	H4/75'			2	TSP-115S	2	TM-101 4' X 12'			18	TM-DT				
3	130' LAM-TH3I-115-J			2	TH3I-115-J	3	TM-101 5' X 14'								
3	120' LAM-TH3S-115-MA			3	TM-OHGW-DE	3	TM-101 5' X 15'								
3	H2/85'			3	TH-115	6	TM-101 4' X 10.5'								
3	H6/85'			3	TM-OHGW										
				4	TM-OPGW-DE										

CLIENT:	Invenergy		
PROJECT:	Canisteo 115 kV Transmission Line		
JOB NUMBER:	INV-234		
PREPARED BY:	J. Salyer		
CHECKED BY:	A. White		

TRANSMISSION LINE STRUCTURE STAKING SHEET

STRUCTURE SHEET:	T005-6	OF	T005-12
PLAN & PROFILE SHEET:	T004-4	OF	T004-1
DATE: 15-Feb-18	REVISION:	B	

TRANSMISSION CONDUCTOR:	1272 kcmil 45/7 ACSR "Bittern"
DISTRIBUTION CONDUCTOR :	
OPGW:	48 Fiber AlumaCore AC-34/52/646
SHIELD WIRE :	3/8" 7 Strand EHS Steel
GUY WIRE :	1" 19-Strand EHS Steel

STRUCTURE NUMBER	STATION NUMBER	BACK SPAN	HORIZONTAL ANGLE	POLE CLASS & LENGTH	POLETOP ASSEMBLY	FOUNDATION/EMBEDMENT ASSEMBLY	GROUNDING ASSEMBLY	GUYING ASSEMBLY	MISC. ASSEMBLY	CONSTRUCTION NOTES
51	328 + 55									
52	335 + 50	695	RT 37° 48' 39''	(3) H4/70'	TH3S-115-MA, TM-OPGW-RA, TM-OHGW-RA	(3) TM-101 3.5' X 9'	(3) TM-9, (3) TM-108C	(6) TA-3H, (3) TG-41A2, (8) TM-DT, (6) TM-GG, (6) GSI-B, (2) TG-41D		
53	341 + 56	606	RT 88° 56' 21''	(3) H6/85'	TH3DE-115-N, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4' X 10.5'	(3) TM-9, (3) TM-108C	(10) TA-3H, (10) TG-41A, (12) TM-DT, (10) TM-GG, (10) GSI-B, (2) TG-41D		
54	344 + 50	294		(2) H5/90'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 11'	(2) TM-9, (2) TM-108C		TM-110	
55	353 + 91	941		(3) H6/85'	TH3I-115-J-M1, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4' X 10.5'	(3) TM-9, (3) TM-108C	(3) TA-3H, (3) TG-41A, (3) TM-DT, (3) TM-GG, (3) GSI-B		
56	365 + 37	1146	LT 91° 46' 9''	(3) 75' LAM-TH3DE-115-N	TH3DE-115-N, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4' X 9.5'	(3) TM-9, (3) TM-108C		TM-FS	
57	373 + 03	766		(2) H4/85'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10.5'	(2) TM-9, (2) TM-108C		TM-110	
58	381 + 43	839		(2) H5/85'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10.5'	(2) TM-9, (2) TM-108C		TM-110	
59	389 + 77	834		(2) H4/70'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9'	(2) TM-9, (2) TM-108C		TM-110	
60	397 + 53	776		(2) H4/75'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9.5'	(2) TM-9, (2) TM-108C		TM-110	
61	405 + 55	803	LT 21° 46' 18''	(3) H2/80'	TH3S-115-MA, TM-OPGW-RA, TM-OHGW-RA	(3) TM-101 3.5' X 10'	(3) TM-9, (3) TM-108C	(6) TA-3H, (3) TG-41A2, (8) TM-DT, (6) TM-GG, (6) GSI-B, (2) TG-41D		

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	QTY	CONDUCTORS & OHGW
2	H4/75'			1	TH3I-115-J-M1	2	TM-101 3.5' X 11'	25	TM-108C	6	TG-41A2	1	TM-FS	--	1272 kcmil 45/7 ACSR "Bittern"
2	H5/85'			2	TH3DE-115-N	2	TM-101 3.5' X 9.5'	25	TM-9	6	TG-41D	5	TM-110	--	48 Fiber AlumaCore AC-34/52/646
2	H5/90'			2	TM-OHGW-RA	3	TM-101 3.5' X 10'			13	TG-41A			--	3/8" 7 Strand EHS Steel
2	H4/85'			2	TH3S-115-MA	3	TM-101 4' X 9.5'			25	TM-GG				
3	75' LAM-TH3DE-115-N			2	TM-OPGW-RA	4	TM-101 3.5' X 10.5'			25	TA-3H				
3	H2/80'			3	TM-OHGW-DE	5	TM-101 3.5' X 9'			25	GSI-B				
5	H4/70'			3	TM-OPGW-DE	6	TM-101 4' X 10.5'			31	TM-DT				
6	H6/85'			5	TH-115										
				5	TM-OPGW										
				5	TM-OHGW										

CLIENT:	*Invenergy*		
PROJECT:	*Canisteo 115 kV Transmission Line*		
JOB NUMBER:	*INV-234*		
PREPARED BY:	*J. Salyer*		
CHECKED BY:	*A. White*		

TRANSMISSION LINE STRUCTURE STAKING SHEET

STRUCTURE SHEET:	*T005-7*	OF	*T005-12*
PLAN & PROFILE SHEET:	*T004-5*	OF	*T004-1*
DATE: *15-Feb-18*	REVISION:		*B*

TRANSMISSION CONDUCTOR:	*1272 kcmil 45/7 ACSR "Bittern"*
DISTRIBUTION CONDUCTOR :	
OPGW:	*48 Fiber AlumaCore AC-34/52/646*
SHIELD WIRE :	*3/8" 7 Strand EHS Steel*
GUY WIRE :	*1" 19-Strand EHS Steel*

STRUCTURE NUMBER	STATION NUMBER	BACK SPAN	HORIZONTAL ANGLE	POLE CLASS & LENGTH	POLETOP ASSEMBLY	FOUNDATION/EMBEDMENT ASSEMBLY	GROUNDING ASSEMBLY	GUYING ASSEMBLY	MISC. ASSEMBLY	CONSTRUCTION NOTES
61	405 + 55		LT 21° 46' 18''							
62	416 + 01	1045		(2) H5/110'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 4' X 13'	(2) TM-9, (2) TM-108C		(2) TM-110	
63	420 + 36	435	LT 11° 31' 32''	(3) C1/80'	TH3S-115-MA, TM-OPGW-RA, TM-OHGW-RA	(3) TM-101 3' X 10'	(3) TM-9, (3) TM-108C	(6) TA-3H, (3) TG-41A2, (8) TM-DT, (6) TM-GG, (6) GSI-B, (2) TG-41D		
64	425 + 13	477		(2) H4/75'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9.5'	(2) TM-9, (2) TM-108C		TM-110	
65	433 + 89	876		(2) H6/90'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 11'	(2) TM-9, (2) TM-108C		(2) TM-110	
66	444 + 41	1052	RT 27° 36' 22''	(3) H4/85'	TH3S-115-MA, TM-OPGW-RA, TM-OHGW-RA	(3) TM-101 3.5' X 10.5'	(3) TM-9, (3) TM-108C	(6) TA-3H, (3) TG-41A2, (8) TM-DT, (6) TM-GG, (6) GSI-B, (2) TG-41D		
67	451 + 76	735		(2) H3/70'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9'	(2) TM-9, (2) TM-108C		TM-110	
68	458 + 16	640		(2) H4/70'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9'	(2) TM-9, (2) TM-108C		TM-110	
69	467 + 22	906		(2) H5/80'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10'	(2) TM-9, (2) TM-108C		(2) TM-110	
70	476 + 70	947		(2) H6/80'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10'	(2) TM-9, (2) TM-108C		(2) TM-110	
71	487 + 52	1082		(3) 95' LAM-TH3I-115-J	TH3I-115-J-M1, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4.5' X 12'	(3) TM-9, (3) TM-108C			

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	QTY	CONDUCTORS & OHGW
2	H5/110'			1	TH3I-115-J-M1	2	TM-101 3.5' X 11'	23	TM-108C	4	TG-41D	11	TM-110	--	1272 kcmil 45/7 ACSR "Bittern"
2	H6/90'			1	TM-OHGW-DE	2	TM-101 4' X 13'	23	TM-9	6	TG-41A2			--	48 Fiber AlumaCore AC-34/52/646
2	H5/80'			1	TM-OPGW-DE	2	TM-101 3.5' X 9.5'			12	TM-GG			--	3/8" 7 Strand EHS Steel
2	H4/75'			2	TM-OHGW-RA	3	TM-101 3' X 10'			12	TA-3H				
2	H4/70'			2	TH3S-115-MA	3	TM-101 3.5' X 10.5'			12	GSI-B				
2	H3/70'			2	TM-OPGW-RA	3	TM-101 4.5' X 12'			16	TM-DT				
2	H6/80'			7	TH-115	4	TM-101 3.5' X 10'								
3	H4/85'			7	TM-OHGW	4	TM-101 3.5' X 9'								
3	95' LAM-TH3I-115-J			7	TM-OPGW										
3	C1/80'														

CLIENT:	Invenergy		
PROJECT:	Canisteo 115 kV Transmission Line		
JOB NUMBER:	INV-234		
PREPARED BY:	J. Salyer		
CHECKED BY:	A. White		

TRANSMISSION LINE STRUCTURE STAKING SHEET

STRUCTURE SHEET:	T005-8	OF	T005-12
PLAN & PROFILE SHEET:	T004-5-6	OF	T004-1
DATE: 15-Feb-18	REVISION:		B

TRANSMISSION CONDUCTOR:	1272 kcmil 45/7 ACSR "Bittern"
DISTRIBUTION CONDUCTOR :	
OPGW:	48 Fiber AlumaCore AC-34/52/646
SHIELD WIRE :	3/8" 7 Strand EHS Steel
GUY WIRE :	1" 19-Strand EHS Steel

STRUCTURE NUMBER	STATION NUMBER	BACK SPAN	HORIZONTAL ANGLE	POLE CLASS & LENGTH	POLETOP ASSEMBLY	FOUNDATION/EMBEDMENT ASSEMBLY	GROUNDING ASSEMBLY	GUYING ASSEMBLY	MISC. ASSEMBLY	CONSTRUCTION NOTES
71	487 + 52									
72	493 + 88	636		(2) H3/80'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10'	(2) TM-9, (2) TM-108C		TM-110	
73	498 + 01	413		(2) H4/80'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10'	(2) TM-9, (2) TM-108C		TM-110	
74	509 + 02	1101		(3) H6/80'	TH3I-115-J-M1, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 3.5' X 10'	(3) TM-9, (3) TM-108C	(3) TA-3H, (3) TM-DT, (3) TG-41A, (3) TM-GG, (3) GSI-B		
75	513 + 32	429	RT 42° 47' 6''	(3) H6/85'	TH3DE-115-J, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4' X 10.5'	(3) TM-9, (3) TM-108C	(10) TA-3H, (10) TG-41A, (12) TM-DT, (10) TM-GG, (10) GSI-B, (2) TG-41D		
76	519 + 36	605		(2) H5/85'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10.5'	(2) TM-9, (2) TM-108C		TM-110	
77	530 + 48	1112		(2) H6/80'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10'	(2) TM-9, (2) TM-108C		(2) TM-110	
78	537 + 92	744		(2) H4/85'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10.5'	(2) TM-9, (2) TM-108C		TM-110	
79	547 + 38	945		(2) H5/85'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10.5'	(2) TM-9, (2) TM-108C		TM-110	
80	553 + 93	655		(2) H3/85'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10.5'	(2) TM-9, (2) TM-108C		TM-110	
81	561 + 06	713		(2) H5/105'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 4' X 12.5'	(2) TM-9, (2) TM-108C		(2) TM-110	

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	QTY	CONDUCTORS & OHGW
2	H4/85'			1	TH3DE-115-J	2	TM-101 4' X 12.5'	22	TM-108C	2	TG-41D	10	TM-110	--	1272 kcmil 45/7 ACSR "Bittern"
2	H4/80'			1	TH3I-115-J-M1	3	TM-101 4' X 10.5'	22	TM-9	13	TM-GG			--	48 Fiber AlumaCore AC-34/52/646
2	H3/80'			2	TM-OHGW-DE	8	TM-101 3.5' X 10.5'			13	TG-41A			--	3/8" 7 Strand EHS Steel
2	H3/85'			2	TM-OPGW-DE	9	TM-101 3.5' X 10'			13	TA-3H				
2	H5/105'			8	TM-OHGW					13	GSI-B				
3	H6/85'			8	TH-115					15	TM-DT				
4	H5/85'			8	TM-OPGW										
5	H6/80'														

CLIENT:	Invenergy		
PROJECT:	Canisteo 115 kV Transmission Line		
JOB NUMBER:	INV-234		
PREPARED BY:	J. Salyer		
CHECKED BY:	A. White		

TRANSMISSION LINE STRUCTURE STAKING SHEET

STRUCTURE SHEET:	T005-9	OF	T005-12
PLAN & PROFILE SHEET:	T004-6-7	OF	T004-1
DATE: 15-Feb-18	REVISION:	B	

TRANSMISSION CONDUCTOR:	1272 kcmil 45/7 ACSR "Bittern"
DISTRIBUTION CONDUCTOR :	
OPGW:	48 Fiber AlumaCore AC-34/52/646
SHIELD WIRE :	3/8" 7 Strand EHS Steel
GUY WIRE :	1" 19-Strand EHS Steel

STRUCTURE NUMBER	STATION NUMBER	BACK SPAN	HORIZONTAL ANGLE	POLE CLASS & LENGTH	POLETOP ASSEMBLY	FOUNDATION/EMBEDMENT ASSEMBLY	GROUNDING ASSEMBLY	GUYING ASSEMBLY	MISC. ASSEMBLY	CONSTRUCTION NOTES
81	561 + 06									
82	572 + 00	1094		(3) H6/80'	TH3I-115-J-M1, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 3.5' X 10'	(3) TM-9, (3) TM-108C	(6) TA-3H, (6) TG-41A, (6) TM-DT, (6) TM-GG, (6) GSI-B	TM-FS	
83	580 + 95	894	LT 31° 27' 21''	(3) H3/80'	TH3S-115-MA, TM-OPGW-RA, TM-OHGW-RA	(3) TM-101 3.5' X 10'	(3) TM-9, (3) TM-108C	(6) TA-3H, (3) TG-41A2, (8) TM-DT, (6) TM-GG, (6) GSI-B, (2) TG-41D		
84	589 + 20	826		(2) H5/80'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10'	(2) TM-9, (2) TM-108C		TM-110	
85	596 + 13	693		(2) H3/80'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10'	(2) TM-9, (2) TM-108C		TM-110	
86	599 + 49	335		(2) H4/90'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 11'	(2) TM-9, (2) TM-108C		TM-110	
87	610 + 73	1125		(2) H6/115'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 4' X 13.5'	(2) TM-9, (2) TM-108C		(3) TM-110	
88	618 + 41	767		(2) H2/55'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3' X 7.5'	(2) TM-9, (2) TM-108C		TM-110	
89	623 + 37	496		(2) H3/80'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10'	(2) TM-9, (2) TM-108C		TM-110	
90	629 + 73	636		(2) H3/70'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9'	(2) TM-9, (2) TM-108C		TM-110	
91	637 + 35	762		(3) H5/80'	TH3I-115-J-M1, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 3.5' X 10'	(3) TM-9, (3) TM-108C			

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	QTY	CONDUCTORS & OHGW
2	H2/55'			1	TM-OHGW-RA	2	TM-101 3' X 7.5'	23	TM-108C	2	TG-41D	1	TM-FS	--	1272 kcmil 45/7 ACSR "Bittern"
2	H6/115'			1	TH3S-115-MA	2	TM-101 3.5' X 11'	23	TM-9	3	TG-41A2	9	TM-110	--	48 Fiber AlumaCore AC-34/52/646
2	H4/90'			1	TM-OPGW-RA	2	TM-101 4' X 13.5'			6	TG-41A			--	3/8" 7 Strand EHS Steel
2	H3/70'			2	TH3I-115-J-M1	2	TM-101 3.5' X 9'			12	TM-GG				
3	H6/80'			2	TM-OHGW-DE	15	TM-101 3.5' X 10'			12	TA-3H				
5	H5/80'			2	TM-OPGW-DE					12	GSI-B				
7	H3/80'			7	TM-OHGW					14	TM-DT				
				7	TH-115										
				7	TM-OPGW										

CLIENT:	Invenergy		
PROJECT:	Canisteo 115 kV Transmission Line		
JOB NUMBER:	INV-234		
PREPARED BY:	J. Salyer		
CHECKED BY:	A. White		

TRANSMISSION LINE STRUCTURE STAKING SHEET

STRUCTURE SHEET:	T005-10	OF	T005-12
PLAN & PROFILE SHEET:	T004-7	OF	T004-1
DATE: 15-Feb-18	REVISION:		B

TRANSMISSION CONDUCTOR:	1272 kcmil 45/7 ACSR "Bittern"
DISTRIBUTION CONDUCTOR :	
OPGW:	48 Fiber AlumaCore AC-34/52/646
SHIELD WIRE :	3/8" 7 Strand EHS Steel
GUY WIRE :	1" 19-Strand EHS Steel

STRUCTURE NUMBER	STATION NUMBER	BACK SPAN	HORIZONTAL ANGLE	POLE CLASS & LENGTH	POLETOP ASSEMBLY	FOUNDATION/EMBEDMENT ASSEMBLY	GROUNDING ASSEMBLY	GUYING ASSEMBLY	MISC. ASSEMBLY	CONSTRUCTION NOTES
91	637 + 35									
92	647 + 82	1047		(2) H4/70'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9'	(2) TM-9, (2) TM-108C		TM-110	
93	652 + 64	482		(2) H4/75'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9.5'	(2) TM-9, (2) TM-108C		TM-110	
94	663 + 61	1097		(2) H5/90'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 11'	(2) TM-9, (2) TM-108C		(2) TM-110	
95	671 + 81	820		(2) H4/75'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9.5'	(2) TM-9, (2) TM-108C		TM-110	
96	678 + 49	668		(2) H5/90'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 11'	(2) TM-9, (2) TM-108C		TM-110	
97	688 + 01	952	RT 19° 27' 53''	(3) H6/80'	TH3DE-115-J, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 3.5' X 10'	(3) TM-9, (3) TM-108C	(10) TA-3H, (10) TG-41A, (12) TM-DT, (10) TM-GG, (10) GSI-B, (2) TG-41D		
98	695 + 66	765		(2) H4/90'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 11'	(2) TM-9, (2) TM-108C		TM-110	
99	702 + 79	713	LT 17° 42' 24''	(3) 90' LAM-TH3I-115-J	TH3I-115-J-M1, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4' X 11'	(3) TM-9, (3) TM-108C			
100	709 + 08	629	LT 2° 8' 22''	(3) 80' LAM-TH3I-115-J	TH3I-115-J-M1, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4' X 10'	(3) TM-9, (3) TM-108C			
101	720 + 46	1138		(3) H5/85'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 10.5'	(2) TM-9, (2) TM-108C		TM-110	

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	QTY	CONDUCTORS & OHGW
2	H4/90'			1	TH3DE-115-J	2	TM-101 3.5' X 10.5'	23	TM-108C	2	TG-41D	8	TM-110	--	1272 kcmil 45/7 ACSR "Bittern"
2	H4/70'			2	TH3I-115-J-M1	2	TM-101 3.5' X 9'	23	TM-9	10	TM-GG			--	48 Fiber AlumaCore AC-34/52/646
3	H5/85'			3	TM-OHGW-DE	3	TM-101 3.5' X 10'			10	TG-41A			--	3/8" 7 Strand EHS Steel
3	80' LAM-TH3I-115-J			3	TM-OPGW-DE	3	TM-101 4' X 10'			10	TA-3H				
3	90' LAM-TH3I-115-J			7	TH-115	3	TM-101 4' X 11'			10	GSI-B				
3	H6/80'			7	TM-OHGW	4	TM-101 3.5' X 9.5'			12	TM-DT				
4	H4/75'			7	TM-OPGW	6	TM-101 3.5' X 11'								
4	H5/90'														

CLIENT:	Invenergy		
PROJECT:	Canisteo 115 kV Transmission Line		
JOB NUMBER:	INV-234		
PREPARED BY:	J. Salyer		
CHECKED BY:	A. White		

TRANSMISSION LINE STRUCTURE STAKING SHEET

STRUCTURE SHEET:	T005-11	OF	T005-12
PLAN & PROFILE SHEET:	T004-7-1	OF	T004-1
DATE: 15-Feb-18	REVISION:		B

TRANSMISSION CONDUCTOR:	1272 kcmil 45/7 ACSR "Bittern"
DISTRIBUTION CONDUCTOR :	
OPGW:	48 Fiber AlumaCore AC-34/52/646
SHIELD WIRE :	3/8" 7 Strand EHS Steel
GUY WIRE :	1" 19-Strand EHS Steel

STRUCTURE NUMBER	STATION NUMBER	BACK SPAN	HORIZONTAL ANGLE	POLE CLASS & LENGTH	POLETOP ASSEMBLY	FOUNDATION/EMBEDMENT ASSEMBLY	GROUNDING ASSEMBLY	GUYING ASSEMBLY	MISC. ASSEMBLY	CONSTRUCTION NOTES
101	720 + 46									
102	727 + 67	720		(2) H4/75'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9.5'	(2) TM-9, (2) TM-108C		TM-110	
103	735 + 59	792		(3) 85' LAM-TH3I-115-J	TH3I-115-J-M1, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4' X 10.5'	(3) TM-9, (3) TM-108C			
104	744 + 37	878		(2) H5/100'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 4' X 12'	(2) TM-9, (2) TM-108C		TM-110	
105	754 + 03	966	RT 86° 48' 29''	(3) 85' LAM-TH3I-115-J	TH3I-115-J-M1, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4' X 10.5'	(3) TM-9, (3) TM-108C			
106	760 + 75	672		(2) H3/75'	TH-115, TM-OPGW, TM-OHGW	(2) TM-101 3.5' X 9.5'	(2) TM-9, (2) TM-108C		TM-110	
107	767 + 90	716	LT 90° 38' 38''	(3) 95' LAM-TH3I-115-J	TH3I-115-J-M1, TM-OPGW-DE, TM-OHGW-DE	(3) TM-101 4' X 10.5'	(3) TM-9, (3) TM-108C		TM-FS	
SUB DEADEND	768 + 57	66							TM-DEA	

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	QTY	CONDUCTORS & OHGW
2	H4/75'			3	TH-115	2	TM-101 4' X 12'	15	TM-108C			1	TM-FS	--	1272 kcmil 45/7 ACSR "Bittern"
2	H3/75'			3	TH3I-115-J-M1	4	TM-101 3.5' X 9.5'	15	TM-9			1	TM-DEA	--	48 Fiber AlumaCore AC-34/52/646
2	H5/100'			3	TM-OHGW	9	TM-101 4' X 10.5'					3	TM-110	--	3/8" 7 Strand EHS Steel
3	95' LAM-TH3I-115-J			3	TM-OHGW-DE										
6	85' LAM-TH3I-115-J			3	TM-OPGW										
				3	TM-OPGW-DE										

TRANSMISSION LINE STRUCTURE STAKING SHEET

CLIENT :	*Invenergy*		
PROJECT :	*Canisteo 115 kV Transmission Line*		
JOB NUMBER :	*INV-234*		
PREPARED BY :	*J. Salyer*		
CHECKED BY :	*A. White*		

STRUCTURE SHEET:	*T005-12*	OF	*T005-12*
PLAN & PROFILE SHEET:	--	OF	--
DATE: *15-Feb-18*	REVISION :		*B*

TRANSMISSION CONDUCTOR:	*1272 kcmil 45/7 ACSR "Bittern"*
DISTRIBUTION CONDUCTOR :	
OPGW:	*48 Fiber AlumaCore AC-34/52/646*
SHIELD WIRE :	*3/8" 7 Strand EHS Steel*
GUY WIRE :	*1" 19-Strand EHS Steel*

QTY	POLES	QTY	POLES	QTY	POLETOP ASSEMBLY	QTY	FOUNDATION/EMBEDMENT ASSEMBLY	QTY	GROUNDING ASSEMBLY	QTY	GUYING ASSEMBLY	QTY	MISC. ASSEMBLY	STATION LENGTH	CONDUCTORS & OHGW
3	120' LAM-TH3S-115-MA	1	100` TS-115S-60	40	TM-OHGW	3	TM-101 3' X 10'	149	TM-108C	88	TM-GG	49	TM-110		1272 kcmil 45/7 ACSR "Bittern"
3	130' LAM-TH3I-115-J	1	60` TDE-115S-2	17	TM-OHGW-DE	2	TM-101 3' X 7.5'	149	TM-9	106	TM-DT	2	TM-DEA		48 Fiber AlumaCore AC-34/52/646
3	75' LAM-TH3DE-115-N	1	75` TS-115S-20	6	TM-OHGW-RA	34	TM-101 3.5' X 10'	43	TM-SPG	18	TG-41D	5	TM-FS		3/8" 7 Strand EHS Steel
3	80' LAM-TH3I-115-J	3	80` TS-115S-30	2	TDE-115S-J	17	TM-101 3.5' X 10.5'			15	TG-41A2				
6	85' LAM-TH3I-115-J	1	85` TDE-115S-50	1	TDE-115S-N	12	TM-101 3.5' X 11'			58	TG-41A				
3	90' LAM-TH3I-115-J	2	85` TS-115S-15	40	TH-115	13	TM-101 3.5' X 9'			88	TA-3H				
6	95' LAM-TH3I-115-J	1	90` TDE-115S-90	3	TH3DE-115-J	14	TM-101 3.5' X 9.5'			88	GSI-B				
3	C1/80'	1	90` TS-115S-15	2	TH3DE-115-N	3	TM-101 4' X 10'								*CONDUCTOR & OHGW LENGTHS DO NOT INCLUDE ADDER FOR SAG, WASTE AND STRINGING OPERATIONS.
2	H2/55'	1	90` TS-115S-60	2	TH3I-115-J	24	TM-101 4' X 10.5'								
3	H2/80'	1	95` TS-115S-15	10	TH3I-115-J-M1	5	TM-101 4' X 11'								NOTE: POLES CLASSED H6 OR BELOW ARE WOOD; CLASSED POLES ABOVE H6 ARE STEEL
3	H2/85'	1	H10/100'	6	TH3S-115-MA	4	TM-101 4' X 12'								
4	H3/70'	1	H10/110'	66	TM-OPGW	2	TM-101 4' X 12.5'								
2	H3/75'	2	H10/90'	20	TM-OPGW-DE	2	TM-101 4' X 13'								
9	H3/80'	4	H10/95'	15	TM-OPGW-RA	2	TM-101 4' X 13.5'								
2	H3/85'	1	H11/95'	2	TS-115S-LA	3	TM-101 4' X 9.5'								
2	H3/90'	3	H8/80'	7	TS-115S-MA	3	TM-101 4.5' X 12'								
2	H4/100'	8	H8/85'	29	TSP-115S	3	TM-101 5' X 14'								
9	H4/70'	1	H8/90'	1	TSP-115S-M1	3	TM-101 5' X 15'								
12	H4/75'	1	H9/115'	1	TSP-115S-M2	3	TM-101 4' X 10'								
2	H4/80'	7	H9/90'			8	TM-101 4' X 10.5'								
7	H4/85'	1	H9/95'			7	TM-101 4' X 11'								
4	H4/90'					1	TM-101 4' X 11.5'								
2	H5/100'					3	TM-101 4.5' X 11'								
2	H5/105'					5	TM-101 4.5' X 11.5'								
2	H5/110'					1	TM-101 4.5' X 12'								
7	H5/80'					1	TM-101 4.5' X 13'								
9	H5/85'					1	TM-101 4.5' X 13.5'								
6	H5/90'					5	TM-CAISSON 6' X 18'								
2	H6/115'					4	TM-CAISSON 6.5' X 19.5								
13	H6/80'					1	TM-CAISSON 7' X 21'								
12	H6/85'					2	TM-CAISSON 7.5' X 22.5								
2	H6/90'					1	TM-CAISSON 8' X 24'								