Attachment #1 - Steel Tower List

From Tape 6844

STEEL TOWER LIST 0 11/07/85

OPERATING NAME	FAIRVIEW ROGUE 1 (L.H.CIRCUIT)	
DESIGN NAME	FAIRVIEW ROGUE (L.H.CIRCUIT)	
WORK ORDER NUMBER	114-102	
DESIGN VOLTAGE	230 KV	DOUBLE CIRCUIT
CONDUCTOR	BITTERN	14200 POUNDS/PHASE
ICE LOAD	1/2 INCH	
GROUND WIRE	7 NO 8 ALUMOWELD	6370 POUNDS
SUSPENSICN INSULATORS	12 FOG TYPE 15000 LBS MWT	
DEAD END INSULATORS	22 STANDARD TYPE, 25000 LBS MWT	

NOTE-- RIGHT HAND CIRCUIT OPERATES AS FAIRVIEW BANDON 2

MADE BY -LDM/RWG

OPRNG NO	SERIAL NO	STATION	SPAN AHEAD	ANGLE DEG-MIN	TOWER TYPE	BODY HT	LEG EXTENSIONS 1	2	3	4	FIG TYPE	TOP SOIL
	BAY17	321+51.4	722.6		SDE							
							FAIRVIEW SS					
							BEGIN GROUND WIRE					
*							2 OHGW 230KV BAY17 - AGF4, MWT 2500#					
*							1 OHGW 115KV BAY10 - AGF4, MWT 2000#					
*							CONDUCTOR MWT 6000#/PHASE (ONE SPAN)					
*												
*												
1/1	AGF 4	328+74.0BK 329+25.0AH	1335.4	C13 16LT	113DSE	65	40.0	32.5	30.0	40.0	GRILL	EARTH
							1 TYPE 113DS GROUND WIRE BRACKET					
							GRND WIRE MWT 5000# ONE SPAN					
							CONDUCTOR MWT 11000#/PHASE ONE SPAN					
1/2	AGF 5	342+60.4	1039.6	84 51LT	5D2	42	27.5	27.5	27.5	27.5	GRILL	EARTH
							BEGIN COND MWT 14200#/PHASE					
							BEGIN GW MWT 6370#					
							1 TYPE 5D02 GROUND WIRE BRACKET					
1/3	AGF 6	353+00.0	1075.0		113M1	70	32.5	30.0	27.5	30.0	PLATE	EARTH
							1 TYPE 113M GROUND WIRE BRACKET					
1/4	AGF 7	363+75.0	1175.0		113A1	50	22.5	20.0	17.5	20.0	PLATE	EAR
							1 TYPE 113A GROUND WIRE BRACKET					
1/5	AGF 8	375+50.0	1625.0		113A1	50	12.5	10.0	10.0	12.5	PLATE	EARTH
							1 TYPE 113A GROUND WIRE BRACKET					
2/1	AGF 9	391+75.0	1175.0		113B1	50	37.5	37.5	37.5	35.0	PLATE	EARTH
							1 TYPE 113B GROUND WIRE BRACKET					
2/2	AGF 10	403+50.0	1099.7	C 3 51LT	113DS	45	15.0	12.5	15.0	15.0	GRILL	EARTH
							1 TYPE 113DS GROUND WIRE BRACKET					
							END GROUND WIRE					

OPRNG NO	SERIAL NO	STATION	SPAN AHEAD	ANGLE DEG-MIN	TOWER TYPE	BODY HT	LEG EXTENSIONS 1	2	3	4	FIG TYPE	TOP SOIL
							CONDUCTOR WWT		14200#/PHASE		CONTINUED	
2/3	AGF 11	414+49.7BK 414+50.0AH	1075.0	C 27LT	23L	70	22.5	20.0	20.0	20.0	PLATE	EARTH
2/4	AGF 12	425+25.0	975.0		23L	50	12.5	12.5	12.5	12.5	PLATE	EARTH
3/1	AGF 13	435+00.0	1225.0		23L	50	7.5	7.5	7.5	7.5	PLATE	EAR...
3/2	AGF 14	447+25.0	975.0		23L	50	15.0	10.0	10.0	15.0	PLATE	EARTH
3/3	AGF 15	457+00.0	1090.0		23L	50	7.5	7.5	7.5	7.5	PLATE	EARTH
3/4	AGF 16	467+90.0	985.0		23L	50	5.0	7.5	5.0	5.0	PLATE	EARTH
3/5	AGF 17	477+75.0	1500.0		113A1	50	10.0	7.5	7.5	10.0	PLATE	EARTH
4/1	AGF 18	492+75.0	2250.0		113B1	50	10.0	10.0	10.0	10.0	PLATE	EARTH
4/2	AGF 19	515+25.0	2475.0	5 7RT	113DS	65	47.5	37.5	40.0	50.0	GRILL	EARTH
5/1	AGF 20	540+00.0	730.9		113B2	50	17.5	20.0	22.5	20.0	PLATE	EARTH
5/2	AGF 21	547+30.9BK 548+09.6AH	1080.4	30 20RT	113DS	45	17.5	17.5	15.0	15.0	GRILL	EAR
5/3	AGF 22	558+90.0	1910.0		113B1	50	10.0	10.0	7.5	10.0	PLATE	EARTH
5/4	AGF 23	578+00.0	1575.0		113B1	50	7.5	7.5	7.5	7.5	PLATE	EARTH
6/1	AGF 24	593+75.0	648.9	C 2 37RT	113A1	50	10.0	5.0	5.0	10.0	PLATE	EARTH
6/2	AGF 25	600+23.9BK 600+25.0AH	900.0	C 3 27RT	113A1	50	17.5	15.0	15.0	15.0	PLATE	EARTH

OPRNG NO	SERIAL NO	STATION	SPAN AHEAD	ANGLE DEG-MIN	TOWER TYPE	BODY HT	LEG EXTENSIONS 1	2	3	4	FIG TYPE	TOP SOIL
							CONDUCTOR WWT 14200#/PHASE				CONTINUED	
6/3	AGF 26	609+25.0	1625.0		113A1	50	7.5	10.0	7.5	5.0	PLATE	EARTH
6/4	AGF 27	625+50.0	2609.2		113B1	50	17.5	17.5	15.0	15.0	PLATE	EARTH
7/1	AGF 28	651+59.2	1823.0	10 LT	113DS	45	15.0	15.0	15.0	17.5	GRILL	EARTH
7/2	AGF 29	669+82.2	667.8	10 24RT	113DS	45	7.5	12.5	7.5	5.0	GRILL	EARTH
							BEGIN COND WWT 12000#/PHASE					
7/3	AGF 30	676+50.0	2475.0		113B1	90	32.5	40.0	35.0	27.5	PLATE	EARTH
8/1	AGF 31	701+25.0	683.5		113A1	50	7.5	7.5	7.5	10.0	PLATE	EARTH
8/2	AGF 32	708+08.5	441.5	2 5RT	23L	50	10.0	10.0	10.0	10.0	PLATE	EARTH
8/3	AGF 33	712+50.0	1843.9		23L	50	12.5	17.5	12.5	10.0	PLATE	EARTH
* 8/4	AGF 34	722+93.9	1246.1	6 24LT	113DS	45	22.5	22.5	22.5	22.5	GRILL	EARTH
							BEGIN COND WWT 14200#/PHASE					
* 8/5	AGF 35	735+40.0	1235.0		113A1	70	40.0	40.0	40.0	40.0	AUGER	EARTH
							FOR AUGER FOOTINGS SEE DRAWING 159472-TBA-A3					
* 8/6	AGF 36	747+75.0	1310.0		113A1	70	37.5	37.5	37.5	37.5	AUGER	EARTH
9/1	AGF 37	760+85.0	1165.0		113A1	70	27.5	27.5	27.5	27.5	AUGER	EARTH
*												
9/2	AGF 38	772+50.0	1644.3		113A1	70	15.0	15.0	15.0	15.0	AUGER	EARTH
9/3	AGF 39	788+94.3	1405.7	16 18LT	113DS	45	10.0	12.5	17.5	15.0	GRILL	EARTH

FAIRVIEW ROGUE 1 (L.H.CIRCUIT)

OPRNG NO	SERIAL NO	STATION	SPAN AHEAD	ANGLE DEG-MIN	TOWER TYPE	BODY HT	LEG EXTENSIONS 1	2	3	4	FIG TYPE	TOP SOIL
							CONDUCTOR WT	14200#/PHASE			CONTINUED	
10/1	AGF 40	803+00.0	625.0		23L	50	7.5	5.0	10.0	10.0	PLATE	EARTH
10/2	AGF 41	809+25.0	850.0		23L	50	5.0	5.0	7.5	5.0	PLATE	EARTH
10/3	AGF 42	817+75.0	1125.0		23L	50	7.5	12.5	7.5	10.0	PLATE	EAR
10/4	AGF 43	829+00.0	985.1	35RT	23L	50	5.0	7.5	5.0	5.0	PLATE	EARTH
10/5	AGF 44	838+85.1	1301.6	1 1LT	113A1	50	12.5	10.0	12.5	12.5	PLATE	EARTH
10/6	AGF 45	851+86.7BK 851+86.6AH	1213.4	34RT	113A1	50	5.0	5.0	5.0	5.0	PLATE	EARTH
11/1	AGF 46	864+00.0	1306.8		113A1	50	35.0	32.5	35.0	37.5	PLATE	EARTH
11/2	AGF 47	877+06.8BK 904+55.4AH	2244.6	6LT	113B1	50	5.0	7.5	7.5	7.5	PLATE	EARTH
11/3	AGF 48	927+00.0	1025.0		113B1	50	35.0	27.5	27.5	32.5	PLATE	EARTH
12/1	AGF 49	937+25.0	1275.0		23L	70	12.5	10.0	10.0	15.0	PLATE	EARTH
12/2	AGF 50	950+00.0	1598.1		113B1	50	10.0	7.5	5.0	7.5	PLATE	EARTH
12/3	AGF 51	965+98.1	726.9	26 RT	113DS	45	5.0	7.5	10.0	7.5	GRILL	EARTH
12/4	AGF 52	973+25.0	900.0		23L	50	5.0	5.0	5.0	5.0	PLATE	EARTH
12/5	AGF 53	982+25.0	1575.0	1 54LT	113A1	50	10.0	10.0	7.5	7.5	PLATE	EARTH
13/1	AGF 54	998+00.0	679.3		113M1	70	37.5	30.0	35.0	40.0	PLATE	EARTH

	OPRNG NO	SERIAL NO	STATION	SPAN AHEAD	ANGLE DEG-MIN	TOWER TYPE	BODY HT	LEG EXTENSIONS 1	2	3	4	FIG TYPE	TOP SOIL
								CONDUCTOR WHT 14200#/PHASE				CONTINUED	
	13/2	AGF 55	1004+79.3BK 1004+78.1AH	1486.9	1 54RT	113A1	70	35.0	27.5	25.0	40.0	PLATE	EARTH
*													
	13/3	AGF 56	1019+65.0	815.0		23L	50	17.5	17.5	22.5	25.0	PLATE	EAR
	13/4	AGF 57	1027+80.0	1830.0		23L	50	20.0	17.5	17.5	20.0	PLATE	EARTH
*	14/1	AGF 58	1038+10.0	1165.0		23L	50	25.0	22.5	20.0	25.0	PLATE	EARTH
	14/2	AGF 59	1049+75.0	1074.4		23L	50	7.5	7.5	5.0	5.0	PLATE	EARTH
	14/3	AGF 60	1060+49.4	750.6	3 18RT	113BB1	70	25.0	30.0	27.5	22.5	PLATE	EARTH
	14/4	AGF 61	1068+00.0	2423.3		113B1	70	30.0	32.5	30.0	27.5	PLATE	EARTH
	15/1	AGF 62	1092+23.3	1996.7	17 32RT	113DS	45	17.5	20.0	27.5	25.0	GRILL	EARTH
	15/2	AGF 63	1112+20.0	1280.0		113B1	50	7.5	5.0	10.0	10.0	PLATE	EARTH
	15/3	AGF 64	1125+00.0	208.0		23L	50	5.0	5.0	10.0	7.5	PLATE	EARTH
	15/4	AGF 65	1127+08.0BK 1127+04.7AH	1905.3	7 54RT	113DS	45	12.5	5.0	5.0	12.5	GRILL	EARTH
								BEGIN COND WHT 12000#/PHASE					
*	16/1	AGF 66	1146+10.0	855.0		113A1	70	35.0	20.0	20.0	37.5	PLATE	EARTH
	16/2	AGF 67	1154+65.0	960.0		23L	50	7.5	5.0	5.0	7.5	PLATE	EARTH
	16/3	AGF 68	1164+25.0	2065.0		113B1	50	15.0	10.0	7.5	10.0	PLATE	EARTH

OPRNG NO	SERIAL NO	STATION	SPAN AHEAD	ANGLE DEG-MIN	TOWER TYPE	BODY HT	LEG EXTENSIONS 1	2	3	4	FIG TYPE	TOP SOIL
*							CONDUCTOR MWT 12000#/PHASE				CONTINUED	
16/4	AGF 69	1184+90.0	941.0	13 8RT	113DS	45	12.5	7.5	5.0	7.5	GRILL	EARTH
							BEGIN COND MWT 14200#/PHASE					
16/5	AGF 70	1194+31.0BK 1194+25.0AH	705.0	1 40LT	23L	50	5.0	15.0	15.0	7.5	PLATE	EARTH
17/1	AGF 71	1201+30.0	795.0		23L	50	32.5	15.0	15.0	30.0	PLATE	EARTH
17/2	AGF 72	1209+25.0	1259.0		23L	70	15.0	10.0	7.5	12.5	PLATE	EARTH
* 17/3	AGF 73	1221+84.0	816.0	23 28LT	113DS	45	10.0	7.5	5.0	7.5	GRILL	EARTH
17/4	AGF 74	1230+00.0	1100.0		23L	70	12.5	12.5	12.5	12.5	PLATE	EARTH
17/5	AGF 75	1241+00.0	984.9		23L	50	20.0	20.0	20.0	20.0	PLATE	EARTH
18/1	AGF 76	1250+84.9	840.1	11 2LT	113DS	45	10.0	5.0	10.0	12.5	GRILL	EARTH
18/2	AGF 77	1259+25.0	790.0		23L	70	25.0	22.5	30.0	30.0	PLATE	EARTH
18/3	AGF 78	1267+15.0	900.0		23L	50	5.0	5.0	5.0	5.0	PLATE	EARTH
18/4	AGF 79	1276+15.0	1004.4	10LT	23L	50	12.5	15.0	12.5	12.5	PLATE	EARTH
18/5	AGF 80	1286+19.4BK 1286+19.2AH	1055.8	8 19RT	113DS	45	5.0	7.5	7.5	5.0	GRILL	EARTH
18/6	AGF 81	1296+75.0	750.0		23L	50	7.5	7.5	5.0	5.0	PLATE	EARTH
19/1	AGF 82	1304+25.0	990.0		23L	50	10.0	10.0	10.0	10.0	PLATE	EARTH
19/2	AGF 83	1314+15.0	1229.1		23L	70	10.0	12.5	10.0	10.0	PLATE	EARTH

OPRNG NO	SERIAL NO	STATION	SPAN AHEAD	ANGLE DEG-MIN	TOWER TYPE	BODY HT	LEG EXTENSIONS 1	2	3	4	FIG TYPE	TOP SOIL
							CONDUCTOR WWT 14200#/PHASE CONTINUED					
19/3	AGF 84	1326+44.1	1830.9	4 5RT	113B1	70	30.0	30.0	30.0	30.0	PLATE	EARTH
19/4	AGF 85	1336+75.0	925.0		23L	50	10.0	12.5	12.5	10.0	PLATE	EARTH
* 19/5	AGF 86	1346+00.0	1150.0		23L	50	30.0	30.0	30.0	30.0	PLATE	EAR
20/1	AGF 87	1357+50.0	850.0		23L	50	5.0	7.5	7.5	7.5	PLATE	EARTH
20/2	AGF 88	1366+00.0	557.9	54 57LT	113DE	45	10.0	12.5	10.0	7.5	GRILL	EARTH
							1 TYPE 113D GROUND WIRE BRACKET					
							CONDUCTOR WWT 10000#/PHASE ONE SPAN					
20/3	FZ 8	1371+57.9BK 1372+20.0AH		3 43LT	2D1		EXISTING TOWER					
							END BITTERN CONDUCTOR BEGIN DRAKE CONDUCTOR BANDON SS AREA					

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U. S. Department of the Interior – Bonneville Power Administration

STEEL TOWER LIST

REV. 1. Oper. name was Bandon-Gold Beach No. 2 7-80

Type construction Single Circuit
Design voltage 230 KV Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000#
Ground wire
M.W.T.
Insulators: Susp 15,000#Fog D.E. 25,000#*

Operating name Fairview-Rogue #1 ~~Bandon-Gold Beach No. 2~~
Design name Bandon -Gold Beach No. 2
Section Bandon-Rogue
Contaminated Air Work Order 135-20
Material yard
By JBI Date 6-9-69 Ck by JBT Date 6-12-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
~~1/7~~	~~PN7T~~	~~1367+50.0~~		~~89°45'Rt.~~	~~E~~	~~70~~	~~Wood Pole H-Frame Structure (See Wood Pole Structure List)~~						~~X-Arm Per Dwg. T6160~~ ~~*Fog Ins. Bk 15000M~~ ~~Single String Bk~~ ~~Double String Ah~~
20/3 ~~1/8~~	FZ 8	~~1361+61.3Bk~~ 1372+20.0Ah	980.0	~~11°56' Rt.~~	D1	42	15	15	15	15	Grillage	Earth	
21/1 ~~1A/1~~	FZ 9	1382+00.0	750.0		A1	50	12½	15	15	12½	Grillage	Earth	
21/2 ~~1A/2~~	FZ10	1389+50.0	900.0		A1	50	12½	15	12½	12½	Grillage	Earth	
21/3 ~~1A/3~~	FZ11	1398+50.0	825.0		A1	50	15	15	15	15	Grillage	Earth	
21/4 ~~1A/4~~	FZ12	1406+75.0	900.0		A1	50	22½	22½	22½	22½	Grillage	Earth	
21/5 ~~1A/5~~	FZ13	1415+75.0	771.8		A2	70	17½	17½	17½	17½	Grillage	Earth	
2-/1	FZ14	1423+46.8Bk 61+50.8Ah	774.2	21°24'Lt.	D1	42	30	30	30	30	Grillage	Earth	X-Arm Per Dwg. T6160
22/2	FZ15	69+25.0	800.0		A1	50	10	10	7½	7½	Grillage	Earth	
22/3	FZ16	77+25.0	925.0		A1	50	10	10	7½	5	Grillage	Earth	
22/4	FZ17	86+50.0	800.0		A1	50	20	22½	20	17½	Grillage	Earth	
22/5	FZ18	94+50.0	925.0		A1	50	7½	7½	7½	7½	Grillage	Earth	
22/6	FZ19	103+75.0	1550.0	0°50'Rt.	2H1	90	25	25	25	25	Plate	Earth	

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U. S. Department of the Interior – Bonneville Power Administration

STEEL TOWER LIST

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REV.1. Oper.name was Bandon-Gold Beach No. 2 7-80

Type construction Single Circuit
Design voltage 230 KV Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000#
Ground wire
M.W.T.
Insulators: Susp 15,000#Fog D.E. 25,000#

Operating name Fairview-Rogue #1 ~~Bandon-Gold Beach No. 2~~
Design name Bandon-Gold Beach No. 2
Section Bandon-Rogue
Contaminated Air Work Order 135-20
Material yard
By JBT Date 6-9-69 Ck by JBT Date 6-12-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
23/1	FZ20	119+25.0Bk 118+78.3Ah	671.7	23°18'Lt.	2P	82	25	17½	15	17½	Grillage	Earth	Heavy Footing
23/2	FZ21	125+50.0	625.0	10°22'Rt.	2K	50	15	15	15	12½	Grillage	Earth	
23/3	FZ22	131+75.0	1100.0		A1	50	25	22½	22½	25	Grillage	Earth	
23/4	FZ23	142+75.0	1275.0		2H1	70	15	17½	17½	17½	Plate	Earth	
23/5	FZ24	155+50.0	925.0		2H1	70	17½	17½	17½	17½	Plate	Earth	
24/1	FZ25	164+75.0	692.3		A1	50	25	25	22½	22½	Grillage	Earth	
24/2	FZ26	171+67.3Bk 171+74.9Ah	1100.1	4°21'Rt.	2H1	70	25	25	20	17½	Plate	Earth	
24/3	FZ27	182+75.0	623.0		A1	50	20	20	20	20	Grillage	Earth	
24/4	FZ28	188+98.0	927.0		A2	50	25	25	25	25	Grillage	Earth	
24/5	FZ29	198+25.0	900.0		A1	50	7½	7½	7½	7½	Grillage	Earth	
24/6	FZ30	206+25.0	850.0		A1	50	10	10	10	10	Grillage	Earth	

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U. S. Department of the Interior – Bonneville Power Administration

STEEL TOWER LIST 3 10

REV.1. Oper. name was Bandon-Gold Beach No. 2 7-80

Type construction Single Circuit
Design voltage 230 KV Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000#
Ground wire
M.W.T.
Insulators: Susp 15,000# Fog D.E. 6,000#

Operating name ~~Bandon-Gold Beach No. 2~~ Fairview-Rogue #1
Design name Bandon-Gold Beach No. 2
Section Bandon-Rogue
Work Order 135-20
Material yard
By [illegible] Date 5-9-69 Ck by [illegible] Date [illegible]

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
25/1	FZ31	214+75.0	650.0		A1	50	10	12½	10	10	Grillage	Earth	
25/2	FZ32	221+25.0	1825.0		2H1	70	27½	25	17½	20	Plate	Earth	
25/3	FZ33	239+50.0	950.0		2H1	70	30	27½	35	37½	Plate	Earth	
25/4	FZ34	249+00.0	776.5		A1	50	22½	22½	22½	22½	Grillage	Earth	
25/5	FZ35	256+76.5Bk 256+84.5Ah	840.5	4°32'Rt.	2H1	50	15	15	12½	10	Plate	Earth & Sandstone	
25/6	FZ36	265+25.0	1235.0		2H1	50	22½	20	20	20	Plate	Earth & Sandstone	
26/1	FZ37	277+60.0	765.0		2H1	50	30	30	30	30	Plate	Earth & Sandstone	
26/2	FZ38	285+25.0	975.0		A1	50	10	12½	12½	10	Grillage	Earth & Sandstone	
26/3	FZ39	295+00.0	775.0		A1	50	7½	7½	7½	7½	Grillage	Earth & Sandstone	
26/4	FZ40	302+75.0	900.0		A1	50	15	15	15	15	Grillage	Earth & Sandstone	
26/5	FZ41	311+75.0	805.0		A2	50	12½	12½	12½	12½	Grillage	Earth & Sandstone	
26/6	FZ42	319+80.0	920.0		A1	50	7½	10	7½	5	Grillage	Earth & Sandstone	

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U. S. Department of the Interior – Bonneville Power Administration

STEEL TOWER LIST

REV.1. Oper. name was Bandon-Gold Beach No. 2

Type construction Single Circuit
Design voltage 230 KV Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000#
Ground wire
M.W.T.
Insulators: Susp 15,000# Fog D.E. 25,000#

Operating name Fairview-Rogue #1 ~~Bandon-Gold Beach No. 2~~
Design name Bandon- Gold Beach No. 2
Section Bandon-Rogue
Contamainted Air Work Order 135-20
Material yard
By JBI Date 6-10-69 Ck by JBT Date 6-12-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
27/1	FZ43	329+00.0	800.0		A1	50	20	20	17½	17½	Grillage	Earth & Sandstone	
27/2	FZ44	337+00.0	1000.0		A1	50	15	15	12½	12½	Grillage	Earth	
27/3	FZ45	347+00.0	1050.0		2H1	50	20	22½	20	15	Plate	Earth	
27/4	FZ46	357+50.0	1230.0		2H1	70	17½	27½	20	15	Plate	Earth	
27/5	FZ47	369+80.0	1320.0		2H1	50	30	32½	32½	27½	Plate	Earth	
28/1	FZ48	383+00.0	850.0		2H1	50	20	20	17½	15	Plate	Earth	
28/2	FZ49	391+50.0	1150.0		2H1	50	7½	15	10	5	Plate	Earth	
28/3	FZ50	403+00.0	672.7		2H1	70	10	20	15	10	Plate	Earth	
28/4	FZ51	409+72.7Bk 409+53.7Ah	746.3	10°50'Lt.	2K	50	12½	15	15	12½	Grillage	Earth	
28/5	FZ52	417+00.0	550.0		A1	50	10	10	10	10	Grillage	Earth	
28/6	FZ53	422+50.0	1175.0		2S1	50	5	5	5	5	Plate	Earth	

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U. S. Department of the Interior – Bonneville Power Administration

STEEL TOWER LIST

REV. 3/1/72 "as built" 11/5 changes
7-[illegible] name was Bandon-Gold Beach #2

Type construction Single Circuit
Design voltage 230 KV Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000#
Ground wire
M.W.T.
Insulators: Susp 15,000#Fog D.E. 25,000#

Operating name ~~Bandon-Gold Beach No. 2~~ Fairview-Rogue #1
Design name Bandon-Gold Beach No. 2
Section Bandon-Rogue
Contaminated Air Work Order 135-20
Material yard
By JBI Date 6-10-69 Ck by JBT Date 6-12-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
29/1	FZ54	434+25.0	815.0		B1	50	25	25	27½	25	Grillage	Earth	
29/2	FZ55	442+40.0	919.0		2S1	50	7½	10	7½	5	Plate	Earth	
29/3	FZ56	451+59.0	1641.0		2H1	50	15	20	17½	12½	Plate	Earth	
29/4	FZ57	468+00.0	536.4		2H1	50	25	30	32½	27½	Plate	Earth	
29/5	FZ58	473+36.4Bk 473+37.9Ah	1347.1	31°14'Rt.	D1	62	10	12½	5	5	Grillage	Earth & Sandstone	X-Arm Per Dwg. T6160
30/1 ~~10/1~~	FZ59	486+85.0	940.0	0°13'Rt.	2H1	50	12½	17½	10	10	Plate	Earth & Sandstone	
30/2 ~~10/2~~	FZ60	496+25.0	1725.0		2H1	70	27½	32½	27½	17½	Plate	Earth & Sandstone	
30/3 ~~10/3~~	FZ61	513+50.0	1146.2	Const. 12°00'Lt.	D1	42	12½	20	15	7½	Grillage	Earth	X-Arm per Dwg. T6160
30/4 ~~10/4~~	FZ62	524+96.2Bk 525+00.0Ah	1231.8	Const. 1°49'Lt.	2H1	70	27½	30	27½	22½	Plate	Earth	
31/1 ~~11/1~~	FZ63	537+31.8Bk 537+50.0Ah	2123.0	2°00'Rt.	D1	62	35	32½	30	30	Grillage	Earth	X-Arm Per Dwg. T6160
31/2 ~~11/2~~	FZ64	558+73.0	577.0		2H1	70	27½	37½	32½	25	Plate	Earth & Sandstone	
31/3 ~~11/3~~	FZ65	564+50.0	450.0		2S1	50	7½	7½	5	5	Plate	Earth & Sandstone	
31/4 ~~11/4~~	FZ66	569+00.0	1091.5		2S1	50	15	15	12½	10	Plate	Earth & Sandstone	
31/5 ~~11/5~~	FZ67	579+91.5Bk 625+65.9Ah	995.1	11°37'Rt.	D1	42	15	25	7½	5	Grillage	Earth	Hand Dig all ftgs. X-Arm Per Dwg.T6360

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STEEL TOWER LIST

8 13

REV. 3/1/72 as const. 12/3, 12/4, 12/5, 13/1 rock ftgs to plate; 13/4 to gril.
7-80 Oper. name was Bandon-Gold Beach No. 2

Type construction Single Circuit
Design voltage 230KV Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000#
Ground wire
M.W.T.
Insulators: Susp 15,000# Fog D.E. 25,000#

Fairview-Rogue #1
Operating name ~~Bandon-Gold Beach No. 2~~
Design name Bandon-Gold Beach No. 2
Section Bandon-Rogue
Contaminated Air Work Order 135-20
Material yard
By JBI Date 6-10-69 Ck by JBT Date 6-12-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
32/1 ~~12/1~~	FZ68	635+61.0	1019.0		2H1	50	10	5	15	17½	Plate	Earth & Sandstone	
32/2 ~~12/2~~	FZ69	645+80.0	623.0		2S1	50	7½	5	7½	5	Plate	Earth & Sandstone	
32/3 ~~12/3~~	FZ70	652+03.0	1647.0		2H1	70	35	35	30	30	Plate	Earth	
32/4 ~~12/4~~	FZ71	668+50.0	934.0		2H1	70	32½	35	37½	35	Plate	Earth	
32/5 ~~12/5~~	FZ72	677+84.0	680.0		2S1	50	10	7½	7½	7½	Plate	Earth	
33/1 ~~13/1~~	FZ73	684+64.0	1836.0		2H1	50	17½	17½	15	15	Plate	Earth & Rock	
33/2 ~~13/2~~	FZ74	703+00.0	525.0		2H1	50	12½	15	15	10	Plate	Earth & Rock	
33/3 ~~13/3~~	FZ75	708+25.0	900.0		A1	50	22½	25	20	17½	Grillage	Earth & Rock	
33/4 ~~13/4~~	FZ76	717+25.0	846.0		A1	70	17½	22½	20	15	Grillage	Earth	
33/5 ~~13/5~~	FZ77	725+71.0	629.0		A1	70	22½	25	25	20	Grillage	Earth & Rock	
33/6 ~~13/6~~	FZ78	732+00.0	887.0		2S1	50	5	7½	10	5	Plate	Earth & Rock	

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STEEL TOWER LIST 7

REV. 12/17/70 Relocated & chgd twr type FZ81: angle & span FZ80, FZ82.
2/23/71 Angle @ 764+90.4
3/1/72 As const. plate footings 15/4.
7-80 Oper. name was Bandon-Gold Beach No. 2
*Tower design 16,700# MWT

Type construction: Single Circuit
Design voltage: 230 KV Ice load: 1/2"
Conductor: ACSR Drake
M.W.T.: 12,000#
Ground wire:
M.W.T.:
Insulators: Susp 15,000#Fog D.E. 25,000#

Operating name: ~~Bandon-Gold Beach No. 2~~ Fairview-Rogue #1
Design name: Bandon-Gold Beach No. 2
Section: Bandon-Rogue
Contaminated Air Work Order 135-20
Material yard:
By JBI Date 6-10-69 Ck by JBT Date 6-12-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
34/1 ~~14/1~~	FZ79	740+87.0	1701.4	Const 8°38'Lt	2H1	50	20	17½	17½	17½	Plate	Earth & Rock	
34/2 ~~14/2~~	FZ80	757+88.4	520.4	11°32'Lt Survey	2K	50	27½	27½	22½	22½	Grillage	Earth	
34/3 ~~14/3~~	FZ81	763+08.8	2291.2	Const 9°35'Lt	*D1	102	22½	15	12½	25	Concrete	Earth & Rock	
		764+90.4		6°44'Lt	Survey Angle Point								
34/4 ~~14/4~~	FZ82	786+00.0	786.4	Const 0°03'Lt	2H1	90	42½	37½	47½	50	Plate	Earth& Rock	See Dwg. 151863-DTS-A 100# wts/cond
35/1 ~~15/1~~	FZ83	793+86.4Bk 793+43.1Ah	906.9	2°34'Rt.	2H2	70	12½	17½	15	10	Plate	Earth & Rock	
35/2 ~~15/2~~	FZ84	802+50.0	1218.0		2H2	50	22½	30	27½	20	Plate	Earth	
35/3 ~~15/3~~	FZ85	814+68.0	1132.0		2H1	70	22½	27½	20	17½	Plate	Earth	
35/4 ~~15/4~~	FZ86	826+00.0	910.0		2H1	50	12½	10	10	7½	Plate	Earth	
35/5 ~~15/5~~	FZ87	835+10.0	801.6		2S1	50	10	12½	15	7½	Plate	Earth & Rock	
36/1 ~~16/1~~	FZ88	843+11.6	863.4	3°17'Rt.	2H1	50	12½	12½	10	7½	Plate	Earth & Rock	
36/2 ~~16/2~~	FZ89	851+75.0	825.0		2S1	50	12½	15	7½	5	Plate	Earth & Rock	
36/3 ~~16/3~~	FZ90	860+00.0	1031.8		2H1	50	17½	20	17½	15	Plate	Earth & Rock	
36/4 ~~16/4~~	FZ91	870+31.8	1819.0	8°12'Lt.	D1	42	15	10	12½	15	Grillage	Earth & Rock	X-Arm Per Dwg. T6160
36/5 ~~16/5~~	FZ92	888+50.8Bk 888+39.7Ah	760.3	4°55'Rt.	D1	42	7½	10	12½	12½	Grillage	Earth & Rock	X-Arm Per Dwg. T6360

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STEEL TOWER LIST

8 15

REV. FZ100 chgd. loc. 8/17/70
3/1/72 As const. 18/4 plate ftgs.
7-80 Oper. name was Bandon-Gold Beach #2

Type construction Single Circuit
Design voltage 230 KV Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000#
Ground wire
M.W.T.
Insulators: Susp 15,000# Fog D.E. 25,000#

Operating name Fairview-Rogue #1 ~~Bandon-Gold Beach No. 2~~
Design name Bandon-Gold Beach No. 2
Section Bandon-Rogue
Contaminated Air Work Order 135-20
Material yard
By JBI Date 6-10-69 Ck by JBT Date 6-12-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
37/1 ~~17/1~~	FZ93	896+00.0	975.0		A1	50	15	20	20	17½	Grillage	Earth & Rock	
37/2 ~~17/2~~	FZ94	905+75.0	925.0		2H1	70	25	30	27½	20	Plate	Earth & Rock	
37/3 ~~17/3~~	FZ95	915+00.0	660.0		2S1	50	10	12½	12½	10	Plate	Earth & Rock	
37/4 ~~17/4~~	FZ96	921+60.0	1130.0		A1	70	15	25	17½	7½	Grillage	Earth & Rock	
37/5 ~~17/5~~	FZ97	932+90.0	1252.0		2H1	50	22½	32½	17½	10	Plate	Earth & Rock	
37/6 ~~17/6~~	FZ98	945+42.0	1007.0		2H1	50	10	12½	10	7½	Plate	Earth	
38/1 ~~18/1~~	FZ99	955+49.0Bk 955+33.2Ah	791.8	8°59'Lt.	2K	50	22½	30	22½	20	Grillage	Earth	
38/2 ~~18/2~~	FZ100	963+25	1625.0		2H1	70	20	22½	17½	17½	Plate	Earth	
38/3 ~~18/3~~	FZ101	979+50.0	850.0		2H1	50	7½	10	7½	5	Plate	Earth	
38/4 ~~18/4~~	FZ102	988+00.0	1775.0		2H1	90	25	35	27½	17½	Plate	Earth & Rock	

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U. S. Department of the Interior — Bonneville Power Administration

STEEL TOWER LIST

REV. 7-80 Oper. name was Bandon-Gold Beach #2

Type construction: Single Circuit
Design voltage: 230KV Ice load: 1/2"
Conductor: ACSR Drake
M.W.T.: 12,000#
Ground wire:
M.W.T.:
Insulators: Susp 15,000# Fog D.E. 25,000#

Fairview-Rogue #1
Operating name: ~~Bandon-Gold Beach No. 2~~
Design name: Bandon-Gold Beach No. 2
Section: Bandon-Rogue
Contaminated Air Work Order 135 -20
Material yard:
By JBT Date 6-10-69 Ck by JBT Date 6-12-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
39/1 ~~19/1~~	FZ103	1005+75.0	963.9		2H1	70	10	15	15	7½	Plate	Earth	
39/2 ~~19/2~~	FZ104	1015+38.9Bk 1015+61.7Ah	683.3	13°00'Rt.	2K	50	5	7½	10	10	Grillage	Earth	
39/3 ~~19/3~~	FZ105	1022+45.0	1509.0		2H1	50	15	20	12½	7½	Plate	Earth	
39/4 ~~19/4~~	FZ106	1037+54.0	758.0		2H1	50	10	7½	12½	17½	Plate	Earth	
39/5 ~~19/5~~	FZ107	1045+12.0	978.0		A2	50	15	7½	15	17½	Grillage	Earth	
40/1 ~~20/1~~	FZ108	1054+90.0	760.0	0°02'Rt.	2S1	50	10	10	10	10	Plate	Earth	
40/2 ~~20/2~~	FZ109	1062+50.0	1277.0		2H1	70	25	15	17½	22½	Plate	Earth	
40/3 ~~20/3~~	FZ110	1075+27.0	1148.0		2H1	50	27½	17½	22½	35	Plate	Earth	
40/4 ~~20/4~~	FZ111	1086+75.0	1792.6		2H1	90	32½	30	37½	37½	Plate	Earth	
40/5 ~~20/5~~	FZ112	1104+67.6	607.4	17°56'Lt.	D1	42	15	15	10	10	Grillage	Earth	X-Arm Per Dwg. T6360

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U. S. Department of the Interior — Bonneville Power Administration

STEEL TOWER LIST ~~10~~ 17

REV. 3/1/72 **As built 21/5 footings.**
7-80 Oper. name was Bandon-Gold Beach No. 2

Type construction: Single Circuit
Design voltage: 230 KV Ice load: 1/2"
Conductor: ACSR Drake
M.W.T.: 12,000#
Ground wire:
M.W.T.:
Insulators: Susp 15,000# Fog D.E. 25,000#

Fairview-Rogue #1
Operating name: ~~Bandon-Gold Beach No. 2~~
Design name: Bandon-Gold Beach No. 2
Section: Bandon-Rogue
Contaminated Air Work Order: 135-20
Material yard:
By JBI Date 6-10-69 Ck by JBT Date 6-12-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
41/1 ~~21/1~~	FZ113	1110+75.0	752.0		A2	50	10	12½	12½	10	Grillage	Earth	
41/2 ~~21/2~~	FZ114	1118+27.0	723.0		A2	50	10	12½	10	5	Grillage	Earth	
41/3 ~~21/3~~	FZ115	1125+50.0	703.0		2S1	50	10	17½	10	5	Plate	Earth	
41/4 ~~21/4~~	FZ116	1132+53.0	1512.2	Const. 0°57'Lt.	2H1	50	12½	10	7½	12½	Plate	Earth	
41/5 ~~21/5~~	FZ117	1147+65.2	1981.2	Const. 1°40'Rt.	D1	42	10	10	7½	7½	**Grillage**	**Earth**	X-Arm Per Dwg. T6160 Twr. Set 25' Lt.
				Survey 0°54'Rt.									
42/1 ~~22/1~~	FZ118	1167+46.4Bk 1167+00.0Ah	875.0	Const. 0°11'Rt.	2H2	90	32½	37½	32½	30	Plate	Earth	
42/2 ~~22/2~~	FZ119	1175+75.0	862.3		A2	70	25	27½	27½	25	Grillage	Earth	
42/3 ~~22/3~~	FZ120	1184+37.3Bk 1183+82.7Ah	892.3	30°30'Lt.	D1	42	7½	7½	7½	7½	Grillage	Earth	X-Arm Per Dwg. T6160
42/4 ~~22/4~~	FZ121	1192+75.0	1300.0		2H1	50	25	25	25	25	Plate	Earth	
42/5 ~~22/5~~	FZ122	1205+75.0	1125.0		2H1	50	30	30	27½	27½	Plate	Earth	

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STEEL TOWER LIST

~~11~~ 18

REV. 7-80 Oper. name was Bandon-Gold Beach #2

***Tower Design 16700 MWT

Type construction: Single Circuit
Design voltage: 230 KV Ice load: 1/2"
Conductor: ACSR Drake
M.W.T.: 12,000#
Ground wire:
M.W.T.:
Insulators: Susp 15,000# Fog D.E. 25,000#

Operating name: Fairview-Rogue #1 ~~Bandon-Gold Beach No. 2~~
Design name: Bandon-Gold Beach No. 2
Section: Bandon-Rogue
Contaminated Air Work Order: 135-20
Material yard:
By JBI Date 6-10-69 Ck by JBT Date 6-12-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
43/1 ~~23/1~~	FZ123	1217+00.0	875.0		2H1	50	17½	17½	17½	17½	Plate	Earth	
43/2 ~~23/2~~	FZ124	1225+75.0	672.8		2S1	50	12½	12½	12½	12½	Plate	Earth	
43/3 ~~23/3~~	FZ125	1232+47.8	1202.2	38°34'Rt.	D1	42	15	10	10	15	Grillage	Earth	X-Arm Per Dwg. T6160
43/4 ~~23/4~~	FZ126	1244+50.0	936.5		2H1	50	10	7½	10	12½	Plate	Earth	
43/5 ~~23/5~~	FZ127	1253+86.5Bk 1255+00.0Ah	700.0	2°53'Rt.	2H1	50	17½	17½	17½	15	Plate	Earth	
43/6 ~~23/6~~	FZ128	1262+00.0	950.0		2S1	50	10	10	7½	7½	Plate	Earth	
44/1 ~~24/1~~	FZ129	1271+50.0	1224.9		2H1	50	22½	15	12½	20	Plate	Earth	
44/2 ~~24/2~~	FZ130	1283+74.9	1950.1	1°22'Rt.	D1	42	22½	20	20	17½	Grillage	Earth	X-Arm Per Dwg. T6160
44/3 ~~24/3~~	FZ131	1303+25.0	1275.0		***B1	70	27½	30	27½	27½	Grillage	Earth	
44/4 ~~24/4~~	FZ132	1316+00.0	864.4		2H1	50	25	25	25	25	Plate	Earth	

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STEEL TOWER LIST ~~12~~ 19

REV. 7-80 Oper. name was Bandon-Gold Beach #2

Type construction Single Circuit
Design voltage 230 KV Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000#
Ground wire
M.W.T.
Insulators: Susp 15,000#Fog D.E. 25,000#

Operating name ~~Bandon-Gold Beach No. 2~~ Fairview-Rogue #1
Design name Bandon-Gold Beach No. 2
Section Bandon-Rogue
Contaminated Air Work Order 135-20
Material yard
By JBT Date 6-10-69 Ck by JBT Date 6-13-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
45/1 ~~25/1~~	FZ133	1324+64.4Bk 3+76.6Ah	1323.4	40°15'Lt.	D1	42	15	17½	20	17½	Grillage	Earth	X-Arm Per Dwg. T6160 Port Orford Sub.
45/2 ~~25/2~~	FZ134	17+00.0	875.0		2H1	70	12½	15	15	12½	Plate	Earth	
45/3 ~~25/3~~	FZ135	25+75.0	675.0		A2	50	22½	22½	20	20	Grillage	Earth	
45/4 ~~25/4~~	FZ136	32+50.0	1125.0		2S1	50	20	25	20	12½	Plate	Earth	
45/5 ~~25/5~~	FZ137	43+75.0	800.0		2H1	50	15	17½	17½	17½	Plate	Earth	
45/6 ~~25/6~~	FZ138	51+75.0	925.0		2S1	50	30	30	30	30	Plate	Earth	
46/1 ~~26/1~~	FZ139	61+00.0	811.5		A2	50	27½	27½	25	25	Grillage	Earth	
46/2 ~~26/2~~	FZ140	69+11.5	1138.5	22°33'Rt.	D1	42	17½	15	12½	12½	Grillage	Earth	X-Arm Per Dwg. T6160
46/3 ~~26/3~~	FZ141	80+50.0	961.8		2H1	50	7½	7½	7½	7½	Plate	Earth	
46/4 ~~26/4~~	FZ142	90+11.8Bk 90+75.0Ah	700.0	2°17'Rt.	2H1	50	12½	15	15	12½	Plate	Earth	
46/5 ~~26/5~~	FZ143	97+75.0	1048.0		2S1	50	20	20	20	17½	Plate	Earth	
46/6 ~~26/6~~	FZ144	108+23.0	1392.0		2H1	50	20	12½	12½	15	Plate	Earth	

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U. S. Department of the Interior – Bonneville Power Administration

STEEL TOWER LIST ~~13~~ 20

REV. Angle 28/5. 8/19/70
11-24-71 27/1 Chgd Leg 4 to "As Const"
7-80 Oper. name was Bandon-Gold Beach No. 2

Type construction Single Circuit
Design voltage 230 KV Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000# (except as noted)
Ground wire
M.W.T.
Insulators: Susp 15,000#Fog D.E. 25,000#

Operating name Fairview-Rogue #1 ~~Bandon-Gold Beach No. 2~~
Design name Bandon-Gold Beach No. 2
Section Bandon-Rogue
Contaminated Air Work Order 135-20
Material yard
By JBI Date 6-10-69 Ck by JBT Date 6-13-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
47/1 ~~27/1~~	FZ145	122+15.0	1283.7		2H1	50	15	12½	10	7½	Plate	Earth	
47/2 ~~27/2~~	FZ146	134+98.7	1703.6	2°01'Rt.	B1	50	10	10	12½	10	Grillage	Earth	
47/3 ~~27/3~~	FZ147	152+02.3	498.6	63°06'Lt.	2N	62	10	15	15	12½	Grillage	Earth & Rock	6000 MWT Ah
47/4 ~~27/4~~	FZ148	157+00.9Bk 156+09.9Ah	1240.1	13°31'Rt.	D1	62	30	22½	30	40	Grillage	Earth	6000 MWT Bk X-Arm Per Dwg. T6160
48/1 ~~28/1~~	FZ149	168+50.0	1025.0		2H1	90	20	22½	17½	15	Plate	Earth	
48/2 ~~28/2~~	FZ150	178+75.0	975.0		2H1	70	22½	25	22½	20	Plate	Earth	
48/3 ~~28/3~~	FZ151	188+50.0	1250.0		B1	70	20	20	17½	17½	Grillage	Earth	
48/4 ~~28/4~~	FZ152	201+00.0	1081.1		2H1	70	27½	27½	30	45	Plate	Earth	
48/5 ~~28/5~~	FZ153	211+81.1Bk 211+36.2Ah	1008.8	26°58'Rt.	2P	42	10	22½	20	7½	Plate	Earth	
49/1 ~~29/1~~	FZ154	221+45.0	563.0		2S1	50	10	10	10	10	Plate	Earth & Rock	
49/2 ~~29/2~~	FZ155	227+08.0	1182.2		2S1	50	20	22½	20	7½	Plate	Earth & Rock	
49/3 ~~29/3~~	FZ156	238+90.2Bk 239+33.6Ah	1514.4	24°27'Lt.	2P	42	10	5	15	12½	Plate	Earth & Rock	
49/4 ~~29/4~~	FA157	254+48.0	869.9		2H1	70	17½	30	22½	10	Plate	Earth & Rock	
49/5 ~~29/5~~	FZ158	263+17.9Bk 262+82.1Ah	1508.2	20°16'Rt.	2P	42	37½	20	12½	22½	Plate	Earth & Rock	

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STEEL TOWER LIST

REV. 3/1/72 **As built 32/1 plate ftgs.**
7-80 Oper. name was Bandon-Gold Beach No. 2

Type construction Single Circuit
Design voltage 230 KV= Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000#
Ground wire
M.W.T.
Insulators: Susp 15,000#Fog D.E. 25,000#

Operating name Fairview-Rogue #1 ~~Bandon-Gold Beach No. 2~~
Design name Bandon-Gold Beach No. 2
Section Bandon-Rogue
Contaminated Air Work Order 135-20
Material yard
By JBT Date 6-10-69 Ck by JBT Date 135-20

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
50/1 ~~30/1~~	FZ159	277+90.3Bk 277+92.3Ah	1082.7	37°27'Rt.	2P	42	20	10	20	35	Plate	Earth & Rock	
50/2 ~~30/2~~	FZ160	288+75.0	1800.0		2H1	90	20	10	20	20	Plate	Earth & Rock	
50/3 ~~30/3~~	FZ161	306+75.0	1072.0		2H1	90	10	17½	10	10	Plate	Earth & Rock	
50/4 ~~30/4~~	FZ162	317+47.0	1224.2	11°05'Lt.	2K	50	22½	27½	22½	20	Grillage	Earth & Rock	
51/1 ~~31/1~~	FZ163	329+71.2	1698.4	17°36'Lt.	2P	62	17½	20	17½	17½	Plate	Earth & Rock	
51/2 ~~31/2~~	FZ164	346+69.6	1285.4	16°53'Lt.	2P	42	12½	7½	12½	15	Plate	Earth & Rock	
51/3 ~~31/3~~	FZ165	359+25.0	1814.0		2P	42	15	22½	12½	7½	Rock	Rock	
52/1 ~~32/1~~	FZ166	377+39.0	561.0	24°28'Rt.	2P	42	12½	17½	15	10	Plate	Earth	
52/2 ~~32/2~~	FZ167	383+00.0	1111.5		2S1	50	10	12½	7½	12½	Plate	Earth & Rock	
52/3 ~~32/3~~	FZ168	394+11.5Bk 393+39.0Ah	1711.0	11°17'Lt.	2P	42	12½	15	17½	12½	Plate	Earth & Rock	
52/4 ~~32/4~~	FZ169	410+50.0	1149.6	Const. 0°01'Lt.	2H1	50	10	12½	12½	7½	Plate	Earth	
52/5 ~~32/5~~	FZ170	421+99.6Bk 422+00.0Ah	1475.0	Const. 0°08'Lt.	2H2	50	20	25	22½	17½	Plate	Earth	

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STEEL TOWER LIST

22 ~~15~~

REV 3/2/72 **As built 34/2, 34/3, 34/4, 35/1 chgd footings.**
7-80 Oper. name was Bandon-Gold Beach No. 2

Type construction Single Circuit
Design voltage 230 KV Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000#
Ground wire
M.W.T.
Insulators: Susp 15,000#Fog D.E. 25,000#

Fairview-Rogue #1
Operating name ~~Bandon-Gold Beach No. 2~~
Design name Bandon-Gold Beach No. 2
Section Bandon-Rogue
Contaminated Air Work Order 135-20
Material yard
By JBI Date 6-11-69 Ck by JBT Date 6-13-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
53/1 ~~33/1~~	FZ171	436+75.0	1050.0		2H1	50	12½	15	12½	10	Plate	Earth	
53/2 ~~33/2~~	FZ172	447+25.0	1650.0		2P	42	17½	22½	15	10	Plate	Earth	
53/3 ~~33/3~~	FZ173	463+75.0	1250.0		2H1	50	25	30	30	27½	Plate	Earth	
53/4 ~~33/4~~	FZ174	476+25.0	1085.0		2H1	50	22½	20	22½	25	Plate	Earth	
54/1 ~~34/1~~	FZ175	487+10.0	1065.0		2H1	50	15	17½	20	20	Plate	Earth	
54/2 ~~34/2~~	FZ176	497+75.0	1300.0		2P	42	12½	17½	10	7½	Plate	Earth	
54/3 ~~34/3~~	FZ177	510+75.0	925.0		2H1	50	15	12½	7½	12½	Plate	Earth & Rock	
54/4 ~~34/4~~	FZ178	520+00.0	1424.8		B1	70	15	12½	12½	12½	Grillage	Earth & Rock	
55/1 ~~35/1~~	FZ179	534+24.8Bk 534+15.3Ah	1559.7	5°27'Rt.	2K	50	17½	17½	22½	20	Grillage	Earth & Rock	
55/2 ~~35/2~~	FZ180	549+75.0	805.0		2H1	70	25	32½	22½	15	Plate	Earth & Rock	
55/3 ~~35/3~~	FZ181	557+80	942.9		2S1	50	17½	17½	20	15	Plate	Earth & Rock	
55/4 ~~35/4~~	FZ182	567+22.9Bk 666+04.7Ah	645.3	16°13'Rt.	2P	42	25	17½	12½	17½	Plate	Earth	
55/5 ~~35/5~~	FZ183	672+50.0	1280.0		2H1	70	15	17½	7½	5	Plate	Earth	

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STEEL TOWER LIST ~~16~~ 23

REV. 7-80 Oper. name was Bandon-Gold Beach No. 2

Type construction: Single Circuit
Design voltage: 230 KV Ice load: 1/2"
Conductor: ACSR Drake
M.W.T.: 12,000#
Ground wire:
M.W.T.:
Insulators: Susp. 15,000# Fog D.E. 25,000#

Operating name: Fairview-Rogue #1 ~~Bandon-Gold Beach No. 2~~
Design name: Bandon-Gold Beach No. 2
Section: Bandon-Rogue
Contaminated Air Work Order: 135-20
Material yard:
By: JBI Date: 6-11-69 Ck by: JBT Date: 6-13-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
56/1 ~~36/1~~	FZ184	685+30.0	720.0		2H1	50	22½	17½	30	32½	Plate	Earth	
56/2 ~~36/2~~	FZ185	692+50.0	1524.0		2H1	90	32½	25	27½	35	Plate	Earth	
56/3 ~~36/3~~	FZ186	707+74.0	366.5	Const. 1°15'Lt.	2H1	50	17½	22½	20	15	Plate	Earth	See Dwg. 151863-DTS-A 200# Wts/Cond.
56/4 ~~36/4~~	FZ187	711+40.5Bk 711+50.0Ah	1150.0	Const. 3°55'Lt.	2H1	50	17½	22½	10	5	Plate	Earth	
56/5 ~~36/5~~	FZ188	723+00.0	2550.0		2P	42	10	7½	5	5	Plate	Earth	
57/1 ~~37/1~~	FZ189	748+50.0	350.0		2H1	50	27½	32½	30	25	Plate	Earth	
57/2 ~~37/2~~	FZ190	752+00.0	1600.0		2H1	50	12½	17½	20	15	Plate	Earth	
57/3 ~~37/3~~	FZ191	768+00.0	950.0		2H1	50	20	27½	22½	15	Plate	Earth	
57/4 ~~37/4~~	FZ192	777+50.0	1100.0		2H1	50	22½	27½	22½	15	Plate	Earth	
58/1 ~~38/1~~	FZ193	788+50.0	1850.0		2H1	70	27½	32½	30	25	Plate	Earth	
58/2 ~~38/2~~	FZ194	807+00.0	500.0		2H1	50	22½	22½	30	30	Plate	Earth	
58/3 ~~38/3~~	FZ195	812+00.0	600.0		2S1	50	27½	30	30	27½	Plate	Earth	
58/4 ~~38/4~~	FZ196	818+00.0	675.0		2S1	50	20	22½	17½	12½	Plate	Earth	
58/5 ~~38/5~~	FZ197	824+75.0	1604.2		2H1	70	25	25	17½	15	Plate	Earth	

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U. S. Department of the Interior – Bonneville Power Administration

STEEL TOWER LIST ~~17~~ 24

REV. 7-80 Oper. name was Bandon-Gold Beach No. 2

Type construction: Single Circuit
Design voltage: 230 KV Ice load: 1/2"
Conductor: ACSR Drake
M.W.T.: 12,000#
Ground wire:
M.W.T.:
Insulators: Susp. 15,000#Fog D.E. 25,000#

Operating name: Fairview-Rogue #1 ~~Bandon-Gold Beach No. 2~~
Design name: Bandon-Gold Beach No. 2
Section: Bandon-Rogue
Contaminated Air Work Order: 135-20
Material yard:
By: JBT Date: 6-11-69 Ck by: JBT Date: 6-13-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
59/1 ~~39/1~~	FZ198	840+79.2Bk 841+20.1Ah	579.9	23°06'Lt.	2P	42	10	12½	12½	10	Plate	Earth	
59/2 ~~39/2~~	FZ199	847+00.0	850.0		A2	70	22½	20	10	12½	Grillage	Earth	
59/3 ~~39/3~~	FZ200	855+50.0	1700.0		2H1	50	25	27½	17½	17½	Plate	Earth	
59/4 ~~39/4~~	FZ201	872+50.0	1189.0		2H1	50	12½	17½	15	10	Plate	Earth & Rock	
59/5 ~~39/5~~	FZ202	884+39.0	909.5		2H1	50	30	22½	30	35	Plate	Earth	
60/1 ~~40/1~~	FZ203	893+48.5Bk 892+73.1Ah	251.9	41°20'Rt.	2P	42	20	17½	25	25	Plate	Earth	
60/2 ~~40/2~~	FZ204	895+25.0	1220.0		2S1	50	10	7½	5	7½	Plate	Earth	
60/3 ~~40/3~~	FZ205	907+45.0	1255.0		2H1	70	40	20	22..	37½	Plate	Earth	
60/4 ~~40/4~~	FZ206	920.00.0	1675.0		2H1	50	30	32½	27½	27½	Plate	Earth	
60/5 ~~40/5~~	FZ207	936+75.0	997.0		2P	42	10	5	7½	15	Plate	Earth	

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U. S. Department of the Interior – Bonneville Power Administration

STEEL TOWER LIST ~~18~~ 25

REV. 7-80. Oper name was Bandon-Gold Beach #2

*** Tower Design 16,700 MWT

Type construction Single Circuit
Design voltage 230 KV Ice load 1/2"
Conductor ACSR Drake
M.W.T. 12,000#
Ground wire
M.W.T.
Insulators: Susp 15,000# Fog D.E. 25,000#

Operating name Fairview-Rogue #1 ~~Bandon-Gold Beach No. 2~~
Design name Bandon-Gold Beach No. 2
Section Bandon-Rogue
Contaminated Air Work Order 135-20
Material yard
By JBI Date 6-11-69 Ck by JBT Date 6-16-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
61/1 ~~41/1~~	FZ208	946+72.0	508.9		2S1	50	5	7½	10	7½	Plate	Earth	
61/2 ~~41/2~~	FZ209	951+80.9 Bk 952+09.1 Ah	1440.9	16°05' Lt.	2P	42	15	10	12½	17½	Plate	Earth	
61/3 ~~41/3~~	FZ210	966+50.0	1413.0		2H1	50	17½	10	15	22½	Plate	Earth	
61/4 ~~41/4~~	FZ211	980+63.0	1697.0		*** B1	50	22½	20	22½	20	Grillage	Earth	
61/5 ~~41/5~~	FZ212	997+60.0	515.0		2H1	50	15	10	12½	17½	Plate	Earth	
62/1 ~~42/1~~	FZ213	1002+75.0	989.0		2S1	50	10	5	10	12½	Plate	Earth	
62/2 ~~42/2~~	FZ214	1012+64.0	1086.0		2H1	50	17½	12½	15	17½	Plate	Earth	
62/3 ~~42/3~~	FZ215	1023+50.0	1650.0		2H1	50	12½	7½	15	15	Plate	Earth	
62/4 ~~42/4~~	FZ216	1040+00.0	285.0		2H1	50	15	12½	22½	30	Plate	Earth	
62/5 ~~42/5~~	FZ217	1042+85.0	665.0		2S1	50	10	5	10	12½	Plate	Earth	
62/6 ~~42/6~~	FZ218	1049+50.0	2583.9		2P	42	25	25	17½	17½	Plate	Earth	

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U. S. Department of the Interior – Bonneville Power Administration

STEEL TOWER LIST

~~19~~ 26

REV. 7-80 Oper. name was Bandon-Gold Beach No. 2

*** Tower Design 16,700 MWT

Type construction: Single Circuit
Design voltage: 230 KV Ice load: 1/2"
Conductor: ACSR Drake
M.W.T.: 12,000# (except as noted)
Ground wire:
M.W.T.:
Insulators: Susp 15,000#Fog D.E. 25,000#

Operating name: Fairview-Rogue #1 ~~Bandon-Gold Beach No. 2~~
Design name: Bandon-Gold Beach No. 2
Section: Bandon-Rogue
Contaminated Air Work Order: 135-20
Material yard:
By JBI Date 6-11-69 Ck by JBT Date 6-16-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
63/1 ~~43/1~~	FZ219	1075+33.9Bk 1075+08.3Ah	746.7	14°35'Rt.	2P	42	7½	7½	5	5	Plate	Earth & Rock	10,000 MWT AH
63/2 ~~43/2~~	FZ220	1082+55.0	2051.0		2P	42	12½	7½	10	20	Plate	Earth	10,000 MWT BK
63/3 ~~43/3~~	FZ221	1103+06.0	1738.0		2P	42	30	25	35	35	Plate	Earth & Rock	
64/1 ~~44/1~~	FZ222	1120+44.0	1440.7		*** B1	50	12½	7½	12½	15	Grillage	Earth & Rock	
64/2 ~~44/2~~	FZ223	1134+84.7Bk 1134+34.2Ah	690.8	28°21'Rt.	2P	42	5	7½	17½	7½	Plate	Earth & Rock	
64/3 ~~44/3~~	FZ224	1141+25.0	565.0		2S1	50	12½	12½	10	7½	Plate	Earth & Rock	
64/4 ~~44/4~~	FZ225	1146+90.0	1039.0		2S1	50	30	30	27½	27½	Plate	Earth	
65/1 ~~45/1~~	FZ226	1157+29.0	1271.0		2H1	70	22½	27½	22½	17½	Plate	Earth	
65/2 ~~45/2~~	FZ227	1170+00.0	1200.0		B1	50	12½	15	7½	5	Grillage	Earth	
65/3 ~~45/3~~	FZ228	1182+00.0	1705.0		2H1	90	37½	37½	32½	32½	Plate	Earth	
65/4 ~~45/4~~	FZ229	1199+05.0	1253.2		2H1	50	10	15	12½	10	Plate	Earth	

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U.S. DEPARTMENT OF ENERGY — BONNEVILLE POWER ADMINISTRATION

STEEL TOWER LIST

27

REV.
11-23-82 Retyped. Added AGF 89 & two spans into Rogue

** Tower Design 16,700 MWT

Type construction: Single Circuit
Design voltage: 230-kV Ice load: 1/2"
Conductor: ACSR Drake Except as noted
M.W.T.: 12,000# Except as noted
Ground wire: 7 No.8 Alumoweld
M.W.T.: 6370# Except as noted
Insulators: Susp 15,000# Fog D.E. 25,000#

Operating name: Fairview-Rogue No. 1
Design name: Bandon-Gold Beach No. 2
Section: Bandon-Rogue
Contaminated Air Work Order: 135-20
Material yard:
By: JBI Date: 06-11-69 Ck by: JBT Date: 06-16-69

TOWER OPRNG NO.	TOWER SERIAL NO.	STATION	SPAN	ANGLE	TOWER TYPE	TOWER HT	LEG EXTENSIONS				FOOTING TYPE	SOIL TYPE	REMARKS
66/1	FZ230	1211+58.2 Bk 1211+39.6 Ah	560.4	10°37' Rt.	2D	42	5	5	5	5	Grillage	Earth	Begin Ground Wire 2 Type D GW Brkts.
66/2	FZ231	1217+00.0	1000.0		A2	50	10	5	5	12½	Grillage	Earth	2 Type A GW Brkts.
66/3	FZ232	1227+00.0	1862.9		** B2	50	25	20	20	22½	Grillage	Earth	2 Type B2 GW Brkts.
66/4	FZ233	1245+62.9 Bk 110+44 Ah	600	56°20' Rt. ~~*26°09'-Rt~~	2D	82	15	15	25	25	Grillage	Earth & Rock	*Set Tower for Future Angle of 26° Rt. Bittern Cond. 2 spans Cond. MWT 10000# 2 spans. GW MWT 3500# 2 spans 2 Type D GW Brkts.
66/5	AGF89	104+44.0 BK 104+90.2 AH	490.2	2°09' Rt. (Const.)	2A1	50	5	5	7½	7½	Plate	Earth	2 Type A GW Brkts.
Bay 1		100+00			SSDE		230-kV Rogue Substation						