

INTERIOR GIRDER 5 MOMENT TABLE (S.N. 082-0323)						
		0.4 Sp. 1	Pier 1	0.5 Sp. 2	Pier 2	0.6 Sp. 3
I_s	(in ⁴)	76,491	136,939	76,491	163,840	76,491
$I_c(n)$	(in ⁴)	155,484	151,311	155,484	178,308	155,484
$I_c(3n)$	(in ⁴)	116,073	151,311	116,073	178,308	116,073
S_s	(in ³)	1,866	3,260	1,866	3,901	1,866
$S_c(n)$	(in ³)	2,442	3,393	2,442	4,025	2,442
$S_c(3n)$	(in ³)	2,216	3,393	2,216	4,025	2,216
S_{xl}	(in ³)	42.67	85.33	42.67	133.33	42.67
DC1	(k/')	1.07	1.21	1.07	1.27	1.07
M_{DC1}	(k)	814	3,573	1,659	4,537	1,352
DC2	(k/')	0.26	0.26	0.26	0.26	0.26
M_{DC2}	(k)	131	553	278	685	224
DW	(k/')	0.37	0.37	0.37	0.37	0.37
M_{DW}	(k)	267	1,067	551	1,319	443
M_{LL+IM}	(k)	1,894	2,750	2,271	3,017	2,262
M_u (Strength I)	(k)	4,896	11,571	7,222	13,786	6,593
M_{bl}	(k)	3.04	17.07	11.65	20.83	8.71
f_s DC1	(ksi)	5.24	13.15	10.67	13.96	8.70
f_s DC2	(ksi)	0.71	1.96	1.51	2.04	1.21
f_s DW	(ksi)	1.45	3.77	2.98	3.93	2.40
f_s 1.3(LL+IM)	(ksi)	12.10	12.65	14.51	11.69	14.45
f_1	(ksi)	0.86	2.40	3.28	1.87	2.45
f_s (Service II)	(ksi)	19.49	31.53	29.67	31.62	26.76
f_s (Total)(Strength I)	(ksi)	25.89	41.57	39.23	41.64	35.44
F_{cr} (Service II)	(ksi)	47.50	47.50	47.50	47.50	47.50
V_f	(k)	39.10	52.50	41.75	58.01	41.26
F_{cr}	(ksi)	50.00	50.00	50.00	50.00	50.00

EXTERIOR GIRDER 1A MOMENT TABLE (S.N. 082-0325 - Unit 1)						
		0.4 Sp. 1	Pier 1	0.5 Sp. 2	Pier 2	0.6 Sp. 3
I_s	(in ⁴)	76,491	136,939	76,491	163,840	89,613
$I_c(n)$	(in ⁴)	149,201	149,289	149,201	176,261	165,628
$I_c(3n)$	(in ⁴)	111,531	149,289	111,531	176,261	125,405
S_s	(in ³)	1,866	3,260	1,866	3,901	2,186
$S_c(n)$	(in ³)	2,411	3,375	2,411	4,008	2,725
$S_c(3n)$	(in ³)	2,183	3,375	2,183	4,008	2,492
S_{xl}	(in ³)	42.67	85.33	42.67	133.33	66.67
DC1	(k/')	1.00	1.14	1.00	1.20	1.03
M_{DC1}	(k)	590	2,137	967	4,188	2,168
DC2	(k/')	0.26	0.26	0.26	0.26	0.26
M_{DC2}	(k)	136	450	196	787	406
DW	(k/')	0.23	0.23	0.23	0.23	0.23
M_{DW}	(k)	162	566	291	1,091	635
M_{LL+IM}	(k)	1,625	2,694	2,339	3,288	2,966
M_u (Strength I)	(k)	3,994	8,797	5,984	13,609	9,361
M_{bl}	(k)	0.00	27.29	9.91	42.75	12.97
f_s DC1	(ksi)	3.79	7.87	6.22	12.88	11.90
f_s DC2	(ksi)	0.75	1.60	1.08	2.36	1.96
f_s DW	(ksi)	0.89	2.01	1.60	3.27	3.06
f_s 1.3(LL+IM)	(ksi)	10.51	12.45	15.13	12.80	16.98
f_1	(ksi)	0.00	3.84	2.79	3.85	2.33
f_s (Service II)	(ksi)	15.95	23.93	24.03	31.30	33.90
f_s (Total)(Strength I)	(ksi)	21.17	31.61	31.89	41.18	44.77
F_{cr} (Service II)	(ksi)	47.50	47.50	47.50	47.50	47.50
V_f	(k)	35.79	59.62	48.81	63.63	49.59
F_{cr}	(ksi)	50.00	50.00	50.00	50.00	50.00

EXTERIOR GIRDER 1A MOMENT TABLE (S.N. 082-0325 - Unit 2)								
		0.4 Sp. 4	Pier 4	0.5 Sp. 5	Pier 5	0.5 Sp. 6	Pier 6	0.6 Sp. 7
I_s	(in ⁴)	76,491	163,840	76,491	163,840	76,491	136,939	76,491
$I_c(n)$	(in ⁴)	149,201	176,261	149,201	176,261	149,201	149,289	149,201
$I_c(3n)$	(in ⁴)	111,531	176,261	111,531	176,261	111,531	149,289	111,531
S_s	(in ³)	1,866	3,901	1,866	3,901	1,866	3,260	1,866
$S_c(n)$	(in ³)	2,411	4,008	2,411	4,008	2,411	3,375	2,411
$S_c(3n)$	(in ³)	2,183	4,008	2,183	4,008	2,183	3,375	2,183
S_{xl}	(in ³)	42.67	133.33	42.67	133.33	42.67	85.33	42.67
DC1	(k/')	1.00	1.20	1.00	1.20	1.00	1.14	1.00
M_{DC1}	(k)	1,201	4,347	1,659	4,743	1,274	3,257	1,091
DC2	(k/')	0.26	0.26	0.26	0.26	0.26	0.26	0.26
M_{DC2}	(k)	242	806	321	872	251	633	222
DW	(k/')	0.23	0.23	0.23	0.23	0.23	0.23	0.23
M_{DW}	(k)	360	1,130	512	1,251	398	866	319
M_{LL+IM}	(k)	2,763	3,593	2,844	3,926	2,612	3,125	2,237
M_u (Strength I)	(k)	7,179	14,424	8,220	15,766	7,074	11,630	6,035
M_{bl}	(k)	20.98	47.49	0.00	0.00	0.00	0.00	0.00
f_s DC1	(ksi)	7.72	13.37	10.67	14.59	8.19	11.99	7.02
f_s DC2	(ksi)	1.33	2.41	1.76	2.61	1.38	2.25	1.22
f_s DW	(ksi)	1.98	3.38	2.81	3.75	2.19	3.08	1.75
f_s 1.3(LL+IM)	(ksi)	17.88	13.99	18.40	15.28	16.90	14.44	14.47
f_1	(ksi)	5.90	4.27	0.00	0.00	0.00	0.00	0.00
f_s (Service II)	(ksi)	28.91	33.15	33.65	36.23	28.66	31.76	24.46
f_s (Total)(Strength I)	(ksi)	38.35	43.63	44.53	47.69	38.00	41.86	32.41
F_{cr} (Service II)	(ksi)	47.50	47.50	47.50	47.50	47.50	47.50	47.50
V_f	(k)	51.24	67.11	46.48	59.69	40.81	61.99	38.44
F_{cr}	(ksi)	50.00	50.00	50.00	50.00	50.00	50.00	50.00

EXTERIOR GIRDER 6 MOMENT TABLE (S.N. 082-0323)						
		0.4 Sp. 1	Pier 1	0.5 Sp. 2	Pier 2	0.6 Sp. 3
I_s	(in ⁴)	76,491	136,939	76,491	163,840	76,491
$I_c(n)$	(in ⁴)	153,181	150,537	153,181	177,524	153,181
$I_c(3n)$	(in ⁴)	114,367	150,537	114,367	177,524	114,367
S_s	(in ³)	1,866	3,260	1,866	3,901	1,866
$S_c(n)$	(in ³)	2,431	3,386	2,431	4,018	2,431
$S_c(3n)$	(in ³)	2,204	3,386	2,204	4,018	2,204
S_{xl}	(in ³)	42.67	85.33	42.67	133.33	42.67
DC1	(k/')	1.07	1.21	1.07	1.27	1.07
M_{DC1}	(k)	816	3,590	1,701	4,557	1,378
DC2	(k/')	0.26	0.26	0.26	0.26	0.26
M_{DC2}	(k)	172	657	304	796	259
DW	(k/')	0.27	0.27	0.27	0.27	0.27
M_{DW}	(k)	246	1,000	551	1,246	431
M_{LL+IM}	(k)	2,289	3,352	2,815	3,707	2,777
M_u (Strength I)	(k)	5,610	12,675	8,259	15,048	7,553
M_{bl}	(k)	3.51	18.62	13.37	22.66	10.16
f_s DC1	(ksi)	5.25	13.21	10.94	14.02	8.86
f_s DC2	(ksi)	0.94	2.33	1.66	2.38	1.41
f_s DW	(ksi)	1.34	3.54	3.00	3.72	2.35
f_s 1.3(LL+IM)	(ksi)	14.69	15.44	18.07	14.39	17.82
f_1	(ksi)	0.99	2.62	3.76	2.04	2.86
f_s (Service II)	(ksi)	22.22	34.53	33.66	34.51	30.44
f_s (Total)(Strength I)	(ksi)	29.52	45.53	44.57	45.45	40.35
F_{cr} (Service II)	(ksi)	47.50	47.50	47.50	47.50	47.50
V_f	(k)	45.02	64.00	53.78	68.71	52.42
F_{cr}	(ksi)	50.00	50.00	50.00	50.00	50.00

INTERIOR GIRDER 2A MOMENT TABLE (S.N. 082-0325 - Unit 1)						
		0.4 Sp. 1	Pier 1	0.5 Sp. 2	Pier 2	0.6 Sp. 3
I_s	(in ⁴)	76,491	136,939	76,491	163,840	89,613
$I_c(n)$	(in ⁴)	148,676	149,133	148,676	176,103	165,055
$I_c(3n)$	(in ⁴)	111,167	149,133	111,167	176,103	125,026
S_s	(in ³)	1,866	3,260	1,866	3,901	2,186
$S_c(n)$	(in ³)	2,408	3,374	2,408	4,007	2,722
$S_c(3n)$	(in ³)	2,181	3,374	2,181	4,007	2,489
S_{xl}	(in ³)	42.67	85.33	42.67	133.33	66.67
DC1	(k/')	0.96	1.10	0.96	1.16	0.99
M_{DC1}	(k)	589	2,122	942	4,120	2,019
DC2	(k/')	0.26	0.26	0.26	0.26	0.26
M_{DC2}	(k)	104	365	173	688	360
DW	(k/')	0.31	0.31	0.31	0.31	0.31
M_{DW}	(k)	177	600	290	1,116	596
M_{LL+IM}	(k)	1,390	2,195	1,838	2,676	2,302
M_u (Strength I)	(k)	3,564	7,850	5,045	12,367	7,896
M_{bl}	(k)	0.00	24.41	8.28	38.82	10.84
f_s DC1	(ksi)	3.79	7.81	6.06	12.67	11.08
f_s DC2	(ksi)	0.57	1.30	0.95	2.06	1.74
f_s DW	(ksi)	0.97	2.13	1.60	3.34	2.87
f_s 1.3(LL+IM)	(ksi)	9.00	10.15	11.90	10.42	13.19
f_1	(ksi)	0.00	3.43	2.33	3.49	1.95
f_s (Service II)	(ksi)	14.34	21.39	20.51	28.49	28.89
f_s (Total)(Strength I)	(ksi)	19.03	28.25	27.18	37.46	38.09
F_{cr} (Service II)	(ksi)	47.50	47.50	47.50	47.50	47.50
V_f	(k)	31.16	47.58	34.40	48.23	34.61
F_{cr}	(ksi)	50.00	50.00	50.00	50.00	50.00

INTERIOR GIRDER 2A MOMENT TABLE (S.N. 082-0325 - Unit 2)								
		0.4 Sp. 4	Pier 4	0.5 Sp. 5	Pier 5	0.5 Sp. 6	Pier 6	0.6 Sp. 7
I_s	(in ⁴)	76,491	163,840	76,491	163,840	76,491	136,939	76,491
$I_c(n)$	(in ⁴)	148,676	176,103	148,676	176,103	148,676	149,133	148,676
$I_c(3n)$	(in ⁴)	111,167	176,103	111,167	176,103	111,167	149,133	111,167
S_s	(in ³)	1,866	3,901	1,866	3,901	1,866	3,260	1,866
$S_c(n)$	(in ³)	2,408	4,007	2,408	4,007	2,408	3,374	2,408
$S_c(3n)$	(in ³)	2,181	4,007	2,181	4,007	2,181	3,374	2,181
S_{xl}	(in ³)	42.67	133.33	42.67	133.33	42.67	85.33	42.67
DC1	(k/')	0.96	1.16	0.96	1.16	0.96	1.10	0.96
M_{DC1}	(k)	1,123	4,404	1,667	4,727	1,273	3,231	1,088
DC2	(k/')	0.26	0.26	0.26	0.26	0.26	0.26	0.26
M_{DC2}	(k)	205	730	314	783	238	548	196
DW	(k/')	0.31	0.31	0.31	0.31	0.31	0.31	0.31
M_{DW}	(k)	342	1,189	516	1,290	397	901	