

GIRDER 1W MOMENT TABLE

		0.4 Span 1	Pier 24	0.5 Span 2	Pier 25	0.5 Span 3	Pier 26	0.5 Span 4	Pier 27	0.6 Span 5
I_s	(in ⁴)	218,738	490,545	218,738	490,545	218,738	521,091	225,958	521,091	232,857
$I_c(n)$	(in ⁴)	426,644	516,823	426,644	516,823	427,508	549,587	460,251	551,532	481,681
$I_c(3n)$	(in ⁴)	311,925	516,823	311,925	516,823	312,447	549,587	333,336	551,532	347,122
S_s	(in ³)	4,343	8,490	4,343	8,490	4,343	9,028	4,589	9,028	4,834
$S_c(n)$	(in ³)	5,669	9,255	5,669	9,255	5,673	9,865	6,042	9,925	6,364
$S_c(3n)$	(in ³)	5,069	9,255	5,069	9,255	5,073	9,865	5,411	9,925	5,708
S_{xt}	(in ³)	100	327	100	327	100	375	121	375	144
DC1	(k/')	1.38	1.68	1.38	1.68	1.38	1.77	1.49	1.84	1.53
MDC1	('k)	4,530	10,828	3,774	10,396	3,728	11,451	4,334	12,671	5,318
DC2	(k/')	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
MDC2	('k)	629	1,358	534	1,325	542	1,345	528	1,348	623
DW	(k/')	0.33	0.33	0.33	0.33	0.35	0.39	0.42	0.43	0.43
M _{DW}	('k)	1,193	2,598	1,031	2,492	1,005	2,926	1,322	3,366	1,540
$M_t + IM$	('k)	5,350	8,294	5,441	8,718	5,806	8,442	6,193	7,457	6,207
M_u (Strength I) *	('k)	18,481	35,326	17,277	35,330	17,856	36,914	19,843	37,404	21,630
M_{bt}	('k)	20	27	36	27	49	32	49	33	19
f_s DC1	(ksi)	12.52	15.30	10.43	14.69	10.30	15.22	11.33	16.84	13.20
f_s DC2	(ksi)	1.49	1.76	1.26	1.72	1.28	1.64	1.17	1.63	1.31
f_s DW	(ksi)	2.82	3.37	2.44	3.23	2.38	3.56	2.93	4.07	3.24
f_s 1.3($t+IM$)	(ksi)	14.72	13.98	14.97	14.69	15.97	13.35	15.99	11.72	15.22
f_t	(ksi)	2.43	0.99	4.33	0.99	5.92	1.04	4.83	1.06	1.57
f_s (Service II)	(ksi)	31.55	34.41	29.11	34.34	29.93	33.76	31.43	34.26	32.97
f_s (Total)(Strength I) *	(ksi)	43.64	47.46	40.36	47.40	41.52	46.60	43.63	47.22	45.65
F_{cr} (Service II)	(ksi)	37.79	47.54	37.79	47.54	37.79	47.44	36.39	47.44	35.12
V _r	(k)	42.05	53.23	41.27	53.81	42.88	57.75	46.15	58.80	46.71
F_{cr}	(ksi)	50.00	49.70	50.00	49.70	50.00	49.70	50.00	49.70	50.00

* LRFD Strength I Load Combinations include an Operational Importance Factor, $\gamma_I = 1.05$

GIRDER 2W MOMENT TABLE

		0.4 Span 1	Pier 24	0.5 Span 2	Pier 25	0.5 Span 3	Pier 26	0.5 Span 4	Pier 27	0.6 Span 5
I_s	(in ⁴)	218,738	490,545	218,738	490,545	218,738	521,091	225,958	521,091	232,857
$I_c(n)$	(in ⁴)	425,149	516,527	425,149	516,527	427,980	551,622	474,773	555,382	500,482
$I_c(3n)$	(in ⁴)	311,027	516,527	311,027	516,527	312,732	551,622	342,699	555,382	359,358
S_s	(in ³)	4,343	8,490	4,343	8,490	4,343	9,028	4,589	9,028	4,834
$S_c(n)$	(in ³)	5,663	9,247	5,663	9,247	5,675	9,927	6,099	10,043	6,435
$S_c(3n)$	(in ³)	5,064	9,247	5,064	9,247	5,074	9,927	5,468	10,043	5,780
S_{xt}	(in ³)	100	327	100	327	100	375	121	375	144
DC1	(k/')	1.29	1.59	1.29	1.59	1.30	1.74	1.49	1.86	1.55
MDC1	('k)	4,286	11,231	3,635	10,925	3,637	12,103	4,188	13,164	5,126
DC2	(k/')	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
MDC2	('k)	594	1,411	512	1,393	523	1,426	523	1,417	620
DW	(k/')	0.33	0.33	0.33	0.33	0.35	0.39	0.42	0.43	0.43
M _{DW}	('k)	1,127	2,698	986	2,623	976	3,103	1,301	3,533	1,534
$M_t + IM$	('k)	4,267	6,553	4,332	6,956	4,631	6,967	5,200	6,537	5,358
M_u (Strength I) *	('k)	16,020	32,883	14,956	33,080	15,507	35,446	17,786	36,715	19,802
M_{bt}	('k)	17	25	31	25	42	30	42	31	17
f_s DC1	(ksi)	11.84	15.87	10.04	15.44	10.05	16.09	10.95	17.50	12.72
f_s DC2	(ksi)	1.41	1.83	1.21	1.81	1.24	1.72	1.15	1.69	1.29
f_s DW	(ksi)	2.67	3.50	2.34	3.40	2.31	3.75	2.86	4.22	3.18
f_s 1.3($t+IM$)	(ksi)	11.75	11.05	11.93	11.74	12.73	10.95	13.30	10.15	12.99
f_t	(ksi)	2.09	0.92	3.72	0.92	5.01	0.96	4.16	1.01	1.43
f_s (Service II)	(ksi)	27.68	32.26	25.53	32.39	26.33	32.51	28.25	33.57	30.18
f_s (Total)(Strength I) *	(ksi)	38.21	44.38	35.32	44.59	36.44	44.76	39.18	46.19	41.76
F_{cr} (Service II)	(ksi)	37.79	47.54	37.79	47.54	37.79	47.44	36.39	47.44	35.12
V _r	(k)	27.50	40.49	29.34	41.06	30.69	41.10	27.12	37.24	29.37
F_{cr}	(ksi)	50.00	49.70	50.00	49.70	50.00	49.70	50.00	49.60	50.00

* LRFD Strength I Load Combinations include an Operational Importance Factor, $\gamma_I = 1.05$

GIRDER 3W MOMENT TABLE

		0.4 Span 1	Pier 24	0.5 Span 2	Pier 25	0.5 Span 3	Pier 26	0.5 Span 4	Pier 27	0.6 Span 5
I_s	(in ⁴)	211,175	398,895	211,175	398,895	211,175	429,447	211,175	459,997	211,175
$I_c(n)$	(in ⁴)	408,332	424,921	408,332	424,921	412,992	460,212	438,539	494,303	445,039
$I_c(3n)$	(in ⁴)	299,765	424,921	299,765	424,921	302,610	460,212	319,078	494,303	323,520
S_s	(in ³)	4,097	6,879	4,097	6,879	4,097	7,416	4,097	7,953	4,097
$S_c(n)$	(in ³)	5,362	7,621	5,362	7,621	5,382	8,306	5,487	8,956	5,512
$S_c(3n)$	(in ³)	4,787	7,621	4,787	7,621	4,806	8,306	4,907	8,956	4,933
S_{xt}	(in ³)	81	202	81	202	81	240	81	282	81
DC1	(k/')	1.28	1.48	1.28	1.48	1.30	1.64	1.47	1.79	1.52
MDC1	('k)	3,933	9,170	3,403	9,052	3,448	10,148	3,818	11,554	4,506
DC2	(k/')	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
MDC2	('k)	545	1,191	479	1,190	491	1,228	474	1,266	542
DW	(k/')	0.33	0.33	0.33	0.33	0.35	0.39	0.42	0.43	0.43
M _{DW}	('k)	1,034	2,276	919	2,245	922	2,673	1,174	3,153	1,343
$M_t + IM$	('k)	3,343	4,305	3,455	4,554	3,600	4,839	3,802	5,095	3,812
M_u (Strength I) *	('k)	13,648	25,095	12,889	25,345	13,237	28,034	14,469	31,153	15,745
M_{bt}	('k)	15	19	27	19	35	23	33	26	14
f_s DC1	(ksi)	11.52	16.00	9.97	15.79	10.10	16.42	11.18	17.43	13.20
f_s DC2	(ksi)	1.37	1.88	1.20	1.87	1.23	1.77	1.16	1.70	1.32
f_s DW	(ksi)	2.59	3.58	2.30	3.54	2.30	3.86	2.87	4.22	3.27
f_s 1.3($t+IM$)	(ksi)	9.73	8.81	10.05	9.32	10.43	9.09	10.81	8.87	10.79
f_t	(ksi)	2.19	1.12	3.93	1.14	5.14	1.15	4.85	1.10	2.02
f_s (Service II)	(ksi)	25.20	30.27	23.52	30.52	24.06	31.15	26.03	32.23	28.57
f_s (Total)(Strength I) *	(ksi)	34.74	41.56	32.49	41.93	33.24	42.81	36.01	44.30	39.45
F_{cr} (Service II)	(ksi)	39.35	47.91	39.35	47.91	39.35	47.77	39.35	47.65	39.35
V _r	(k)	23.95	31.99	24.12	32.89	24.32	34.11	31.10	44.28	34.50
F_{cr}	(ksi)	50.00	49.60	50.00	49.60	50.00	49.60	50.00	49.60	50.00

* LRFD Strength I Load Combinations include an Operational Importance Factor, $\gamma_I = 1.05$

GIRDER 4W MOMENT TABLE

		0.4 Span 1	Pier 24	0.5 Span 2	Pier 25	0.5 Span 3	Pier 26	0.5 Span 4	Pier 27	0.6 Span 5
I_s	(in ⁴)	211,175	398,895	211,175	398,895	211,175	429,447	211,175	459,997	211,175
$I_c(n)$	(in ⁴)	408,332	424,921	408,332	424,921	414,819	460,410	438,884	494,316	445,039
$I_c(3n)$	(in ⁴)	299,765	424,921	299,765	424,921	303,738	460,410	319,311	494,316	323,520
S_s	(in ³)	4,097	6,879	4,097	6,879	4,097	7,416	4,097	7,953	4,097
$S_c(n)$	(in ³)	5,362	7,621	5,362	7,621	5,389	8,311	5,488	8,957	5,512
$S_c(3n)$	(in ³)	4,787	7,621	4,787	7,621	4,813	8,311	4,908	8,957	4,933
S_{xt}	(in ³)	81	202	81	202	81	240	81	282	81
DC1	(k/')	1.28	1.48	1.28	1.48	1.32	1.65	1.47	1.79	1.52
MDC1	('k)	3,748	9,123	3,322	9,138	3,410	10,214	3,751	11,409	4,374
DC2	(k/')	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
MDC2	('k)	519	1,180	467	1,192	481	1,227	467	1,249	529
DW	(k/')	0.33	0.33	0.33	0.33	0.35	0.39	0.42	0.43	0.43
M _{DW}	('k)	986	2,253	894	2,253	912	2,672	1,150	3,104	1,313
$M_t + IM$	('k)	3,021	3,888	3,068	4,156	3,295	4,805	3,922	4,991	3,926
M_u (Strength I) *	('k)	12,705	24,216	12,020	24,744	12,598	28,053	14,554	30,672	15,716
M_{bt}	('k)	14	18	25	19	32	22	32	25	14
f_s DC1	(ksi)	10.98	15.92	9.73	15.94	9.99	16.53	10.99	17.21	12.81
f_s DC2	(ksi)	1.30	1.86	1.17	1.88	1.20	1.77	1.14	1.67	1.29
f_s DW	(ksi)	2.47	3.55	2.24	3.55	2.27	3.86	2.81	4.16	3.19
f_s 1.3($t+IM$)	(ksi)	8.79	7.96	8.93	8.51	9.54	9.02	11.15	8.69	11.11
f_t	(ksi)	2.03	1.08	3.65	1.10	4.78	1.11	4.72	1.05	2.01
f_s (Service II)	(ksi)	23.54	29.28	22.07	29.87	23.00	31.18	26.09	31.74	28.40
f_s (Total)(Strength I) *	(ksi)	32.43	40.17	30.46	41.00	31.75	42.8			