
ERRATA

Strengthening of Existing Composite Beams Using LRFD Procedures

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Replace Table 1 in this paper with the attached Table 1. The values for constant B have been corrected for $F_y = 50$ ksi.

TABLE 1 - CONSTANTS A, B, and C								
SHAPE			Fy = 36			Fy = 50		
			A	B	C	A	B	C
W 36 x 232			31.3	1411	1027	43.5	1411	1426
W 36 x 210			29.9	1330	-479	41.5	1330	-665
W 36 x 194			27.5	1324	-197	38.3	1324	-274
W 36 x 182			26.1	1309	-277	36.3	1309	-384
W 36 x 170			24.5	1298	-251	34.0	1298	-348
W 36 x 160			23.4	1272	-589	32.5	1272	-818
W 36 x 150			22.5	1239	-1050	31.3	1239	-1459
W 36 x 135			21.6	1151	-2429	30.0	1151	-3373
W 33 x 169			24.1	1215	1712	33.5	1215	2378
W 33 x 152			22.9	1150	645	31.8	1150	896
W 33 x 141			21.8	1115	140	30.3	1115	195
W 33 x 130			20.9	1067	-587	29.0	1067	-815
W 33 x 118			19.8	1012	-1337	27.5	1012	-1857
W 30 x 148			23.4	997	1309	32.5	997	1818
W 30 x 132			22.1	933	308	30.8	933	427
W 30 x 124			21.1	917	136	29.3	917	189
W 30 x 116			20.3	886	-299	28.3	886	-415
W 30 x 108			19.6	847	-831	27.3	847	-1155
W 30 x 99			18.7	810	-1288	26.0	810	-1788
W 30 x 90			16.9	809	-1071	23.5	809	-1487
W 27 x 161			23.8	960	4727	33.0	960	6565
W 27 x 146			21.8	943	4218	30.3	943	5859
W 27 x 129			22.0	831	1493	30.5	831	2074
W 27 x 114			20.5	781	743	28.5	781	1032
W 27 x 102			18.5	769	651	25.8	769	904
W 27 x 94			17.6	740	277	24.5	740	385
W 27 x 84			16.6	701	-201	23.0	701	-279
W 24 x 117			19.8	737	2949	27.5	737	4095
W 24 x 104			18.0	718	2500	25.0	718	3472
W 24 x 103			19.8	655	1064	27.5	655	1477
W 24 x 94			18.5	636	833	25.8	636	1157
W 24 x 84			16.9	617	616	23.5	617	855
W 24 x 76			15.8	593	333	22.0	593	462
W 24 x 68			14.9	561	-39	20.8	561	-54
W 24 x 62			15.5	492	-1112	21.5	492	-1544
W 24 x 55			14.2	473	-1178	19.8	473	-1636
W 21 x 111			19.8	618	3083	27.5	618	4282
W 21 x 101			18.0	616	2875	25.0	616	3993
W 21 x 93			20.9	494	551	29.0	494	765
W 21 x 83			18.5	491	596	25.8	491	828
W 21 x 73			16.4	487	587	22.8	487	815
W 21 x 68			15.5	479	497	21.5	479	690
W 21 x 62			14.4	466	364	20.0	466	506
W 21 x 57			14.6	423	-296	20.3	423	-411
W 21 x 50			13.7	393	-564	19.0	393	-783
W 21 x 44			12.6	373	-676	17.5	373	-938
W 18 x 106			21.2	476	2662	29.5	476	3697
W 18 x 97			19.3	479	2560	26.8	479	3556
W 18 x 86			17.3	469	2260	24.0	469	3139
W 18 x 76			15.3	463	2016	21.3	463	2800
W 18 x 71			17.8	377	637	24.8	377	885

TABLE 1 - CONSTANTS A, B, and C								
SHAPE			Fy = 36			Fy = 50		
			A	B	C	A	B	C
W	18 x	65	16.2	378	665	22.5	378	924
W	18 x	60	14.9	376	649	20.8	376	901
W	18 x	55	14.0	366	528	19.5	366	734
W	18 x	50	12.8	362	484	17.8	362	672
W	18 x	46	13.0	330	53	18.0	330	74
W	18 x	40	11.3	325	55	15.8	325	77
W	18 x	35	10.8	296	-185	15.0	296	-257
W	16 x	77	16.4	395	2008	22.8	395	2789
W	16 x	67	14.2	393	1794	19.8	393	2492
W	16 x	57	15.5	310	617	21.5	310	857
W	16 x	50	13.7	306	563	19.0	306	782
W	16 x	45	12.4	301	502	17.3	301	698
W	16 x	40	11.0	300	479	15.3	300	665
W	16 x	36	10.6	276	262	14.8	276	364
W	16 x	31	9.9	256	36	13.8	256	50
W	16 x	26	9.0	234	-107	12.5	234	-149
W	14 x	74	16.2	325	2012	22.5	325	2795
W	14 x	68	14.9	321	1849	20.8	321	2568
W	14 x	61	13.5	316	1656	18.8	316	2300
W	14 x	53	13.3	279	1132	18.5	279	1573
W	14 x	48	12.2	273	1010	17.0	273	1402
W	14 x	43	11.0	269	902	15.3	269	1253
W	14 x	38	11.2	245	518	15.5	245	719
W	14 x	34	10.3	237	429	14.3	237	595
W	14 x	30	9.7	220	274	13.5	220	380
W	14 x	26	9.2	203	85	12.8	203	118
W	14 x	22	8.3	188	-10	11.5	188	-15
W	12 x	58	13.0	272	1605	18.0	272	2229
W	12 x	53	12.4	257	1391	17.3	257	1932
W	12 x	50	13.3	228	1062	18.5	228	1475
W	12 x	45	12.1	225	956	16.8	225	1328
W	12 x	40	10.6	225	876	14.8	225	1217
W	12 x	35	10.8	208	560	15.0	208	778
W	12 x	30	9.4	202	467	13.0	202	649
W	12 x	26	8.3	197	396	11.5	197	550
W	12 x	22	9.4	149	-24	13.0	149	-33
W	12 x	19	8.5	140	-64	11.8	140	-90
W	12 x	16	7.9	125	-148	11.0	125	-205
W	12 x	14	7.2	120	-154	10.0	120	-214
W	10 x	45	12.6	180	980	17.5	180	1361
W	10 x	39	11.3	170	816	15.8	170	1134
W	10 x	33	10.4	154	622	14.5	154	864
W	10 x	30	10.8	148	416	15.0	148	577
W	10 x	26	9.4	146	364	13.0	146	505
W	10 x	22	8.6	133	254	12.0	133	352
W	10 x	19	9.0	111	56	12.5	111	78
W	10 x	17	8.6	102	-4	12.0	102	-5
W	10 x	15	8.3	93	-57	11.5	93	-79
W	10 x	12	6.8	89	-58	9.5	89	-80