

DATA FOR STANDARD SCC PRECAST GIRDER BRIDGES WITH CAST-IN-PLACE CONCRETE SUBSTRUCTURES

		8720 (8)				9940 (9)				11160 (10)				12380 (11)				13600 (12)				14820 (13)				
CLEAR ROADWAY WIDTH (GIRDERS PER SPAN)		9870				11090				12310				13530				14750				15970				
OVERALL WIDTH		0'	15'	30'	40'	0'	15'	30'	40'	0'	15'	30'	40'	0'	15'	30'	40'	0'	15'	30'	40'	0'	15'	30'	40'	
GENERAL	SKREW	99	99	99	99	111	111	111	111	123	123	123	123	135	135	135	135	148	148	148	148	160	160	160	160	
	CROWN	0	26	57	83	0	30	64	93	0	33	71	103	0	36	78	114	0	40	85	124	0	43	92	134	
	DIFFERENTIAL FOR ROADWAY GRADE OF	1%	0	53	114	166	0	59	128	186	0	66	142	207	0	73	156	227	0	79	170	248	0	86	184	268
PILES	ABUT WING PROJECTION (OBTUSE)	M1	1080	828	658	418	1080	828	658	418	1080	828	658	418	1080	828	658	418	1080	828	658	418	1080	828	658	418
	ABUT WING PROJECTION (ACUTE)	M2	1080	1387	1940	2454	1080	1387	1940	2454	1080	1387	1940	2454	1080	1387	1940	2454	1080	1387	1940	2454	1080	1387	1940	2454
	ABUT WING PILE LOCATION (OBTUSE)	N1	860	1182	1692	2292	860	1182	1692	2292	860	1182	1692	2292	860	1182	1692	2292	860	1182	1692	2292	860	1182	1692	2292
	ABUT WING PILE LOCATION (ACUTE)	N2	860	623	410	256	860	623	410	256	860	623	410	256	860	623	410	256	860	623	410	256	860	623	410	256
	ABUT WING TOE HEIGHT (OBTUSE)	P1	540	414	329	209	540	414	329	209	540	414	329	209	540	414	329	209	540	414	329	209	540	414	329	209
	ABUT WING TOE HEIGHT (ACUTE)	P2	540	694	970	1227	540	694	970	1227	540	694	970	1227	540	694	970	1227	540	694	970	1227	540	694	970	1227
	ABUT PILE SPACING	Q	2050	2130	2370	2680	1910	1980	2210	2500	1810	1870	2090	2360	1990	2060	2300	2600	1890	1960	2180	2470	2050	2120	2360	2670
	ABUT PILE END DISTANCE	R	835	849	959	1082	770	791	878	989	725	762	837	955	795	824	912	1031	760	775	886	983	810	847	961	1079
	NUMBER OF PILE EACH ABUTMENT		7	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10
	NUMBER OF PILES EACH PIER		4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6
DOWELS	PIER PILE SPACING	S	2600	2700	3000	3380	2920	3010	3370	3800	2560	2650	2950	3350	2330	2410	2690	3050	2540	2630	2930	3310	2750	2850	3170	3600
	PIER PILE END DISTANCE	T	1035	1059	1199	1372	1165	1226	1348	1539	1035	1072	1207	1335	940	979	1087	1206	1025	1060	1191	1353	1110	1142	1296	1424
REINFORCEMENT ONE ABUTMENT	NUMBER PER LINE	U	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13
	32 mm DIA DOWEL SPACING	V	1220	1263	1409	1593	1220	1263	1409	1593	1220	1263	1409	1593	1220	1263	1409	1593	1220	1263	1409	1593	1220	1263	1409	1593
	32 mm DIA DOWEL END DISTANCE		853	883	985	1114	853	883	985	1114	853	883	985	1114	853	883	985	1114	853	883	985	1114	853	883	985	1114
	NUMBER OF STIRRUPS	A1501	40	41	46	52	44	46	51	58	48	50	56	63	52	54	60	68	57	59	65	74	61	63	70	79
	NUMBER OF U-BARS	A1502	34	35	39	44	38	39	44	49	42	43	48	55	46	48	53	60	50	52	58	65	54	56	62	70
	LENGTH OF TOPPING BARS	A1503	4860	5034	5624	6367	4860	5034	5624	6367	6080	6297	7032	7960	6080	6297	7032	7960	7300	7560	8441	9553	7300	7560	8441	9553
	NUMBER OF TOPPING BARS	A1504	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	LENGTH OF MIDDLE BARS	A1505	11620	12033	13433	15199	12840	13296	14842	16792	14060	14560	16251	18385	15280	15823	17659	19977	16500	17086	19068	21570	17720	18349	20477	23162
	NUMBER OF MIDDLE BARS		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	LENGTH OF MAIN BARS	A2501	11620	12033	13433	15199	12840	13296	14842	16792	14060	14560	16251	18385	15280	15823	17659	19977	16500	17086	19068	21570	17720	18349	20477	23162
NUMBER OF MAIN BARS		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
LENGTH OF WING UPPER BARS**	W1501	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	
NUMBER OF WING UPPER BARS		4	4	4	5	4	4	4	5	4	4	4	5	4	4	4	5	4	4	4	5	4	4	4	5	
NUMBER OF WING U-BARS (OBTUSE)	W1502	28	28	32	36	28	28	32	36	28	28	32	36	28	28	32	36	28	28	32	36	28	28	32	36	
NUMBER OF WING U-BARS (ACUTE)		28	28	32	36	28	28	32	36	28	28	32	36	28	28	32	36	28	28	32	36	28	28	32	36	
NUMBER OF WING STIRRUPS (OBTUSE)	W1503	16	16	18	20	16	16	18	20	16	16	18	20	16	16	18	20	16	16	18	20	16	16	18	20	
NUMBER OF WING STIRRUPS (ACUTE)		16	16	18	20	16	16	18	20	16	16	18	20	16	16	18	20	16	16	18	20	16	16	18	20	
LENGTH OF WING LOWER BARS**	W1504	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	
NUMBER OF WING LOWER BARS		2	2	3	3	2	2	3	3	2	2	3	3	2	2	3	3	2	2	3	3	2	2	3	3	
NUMBER OF WING CORNER BARS	W1505	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
NUMBER OF WING CORNER BARS	W1506	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
LENGTH OF WING MAIN BARS**	W2501	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	
NUMBER OF WING MAIN BARS		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
NUMBER OF WING CORNER BARS	W2502	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
REINFORCEMENT ONE PIER	NUMBER OF PILE DOWELS (SEE NOTE 1)	E3001 PLUS E3002 (TOT)	32	32	32	32	32	32	32	32	40	40	40	40	48	48	48	48	48	48	48	48	48	48	48	48
	NUMBER OF STIRRUPS	P1501	41	41	42	46	46	46	48	52	52	52	53	58	56	56	59	65	60	60	65	71	65	65	70	77
	NUMBER OF U-BARS	P1502	34	35	39	44	38	39	44	49	42	43	48	55	46	48	53	60	50	52	58	65	54	56	62	70
	NUMBER OF STIRRUPS	P1503	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	NUMBER OF STIRRUPS	P1504																								
	NUMBER OF STIRRUPS	P1505																								
	LENGTH OF TOPPING BARS	P1506	4860	5034	5624	6367	4860	5034	5624	6367	6080	6297	7032	7960	6080	6297	7032	7960	7300	7560	8441	9553	7300	7560	8441	9553
	NUMBER OF TOPPING BARS	P1507	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	LENGTH OF SKIN BARS	P1508	9720	10068	11247	12734	10940	11331	12656	14327	12160	12594	14064	15920	13380	13857	15473	17512	14600	15120	16882	19105	15820	16383	18291	20697
	NUMBER OF SKIN BARS		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
LENGTH OF MAIN BARS	P2501	9720	10068	11247	12734	10940	11331	12656	14327	12160	12594	14064	15920	13380	13857	15473	17512	14600	15120	16882	19105	15820	16383	18291	20697	
NUMBER OF MAIN BARS		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
LENGTH OF MAIN BARS	P2502	9720	10068	11247	12734	10940	11331	12656	14327	12160	12594	14064	15920	13380	13857	15473	17512	14600	15120	16882	19105	15820	16383	18291	20697	
NUMBER OF MAIN BARS		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
NUMBER OF END TOP BARS	P2503	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
NUMBER OF PILE TIES (SEE NOTE 2)	T1501	44	44	44	44	44	44	44	44	55	55	55	55	66	66	66	66	66	66	66	66	66	66	66	66	