

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

GENERAL	CLEAR ROADWAY (GIRDERS PER SPAN)	8940 (8)				10160 (9)				11370 (10)				12590 (11)				13810 (12)				15020 (13)			
		0*	15*	30*	45*	0*	15*	30*	45*	0*	15*	30*	45*	0*	15*	30*	45*	0*	15*	30*	45*	0*	15*	30*	45*
OVERALL WIDTH	A	9718	10060	11221	13743	10934	11320	12625	15463	12150	12578	14030	17183	13366	13838	15434	18902	14582	15096	16838	20622	15798	16355	18242	22342
CROWN	B	97	97	97	97	109	109	109	109	122	122	122	122	134	134	134	134	146	146	146	146	158	158	158	158
DIFFERENTIAL FOR ROADWAY GRADE OF	1%	0	26	56	97	0	29	63	109	0	33	70	122	0	36	77	134	0	39	84	146	0	42	91	158
	2%	0	52	112	194	0	59	126	219	0	65	140	243	0	72	154	267	0	78	168	292	0	85	182	316
	3%	0	78	168	292	0	88	189	328	0	98	210	365	0	107	232	401	0	117	253	437	0	127	272	474
ABUT WING PROJECTION	D	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697
ABUT WING PILE LOCATION	E	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070
MAIN PILE NUMBER	F	6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9
NUMBER OF PILES EACH ABUTMENT	G	8	8	8	8	9	9	9	9	9	9	9	9	10	10	10	10	11	11	11	11	11	11	11	11
NUMBER OF PILES EACH PIER	H	6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9
PILE SPACING	I	1524	1577	1759	2153	1472	1524	1700	2082	1675	1734	1934	2369	1609	1666	1858	2276	1560	1615	1802	2207	1712	1773	1977	2421
PILE END DISTANCE	J	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485
NUMBER PER LINE	K	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13
SPACING	L	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719
END DISTANCES	M	793	821	916	1121	793	821	916	1121	793	821	916	1121	793	821	916	1121	793	821	916	1121	793	821	916	1121
	N	413	428	477	584	413	428	477	584	413	428	477	584	413	428	477	584	413	428	477	584	413	428	477	584
NUMBER OF STIRRUPS	AI501	71	80	87	109	78	82	90	114	84	94	102	126	92	96	105	131	100	104	114	142	100	112	122	150
NUMBER OF U-BARS	AI502	14	16	18	20	18	18	20	24	20	22	24	28	24	24	28	32	28	28	30	36	30	32	34	40
LENGTH OF MAIN BARS	A2501	12000	12000	12000	12000	12000	12000	12000	9000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	9000	12000	12000	12000	12000	12000
NUMBER " " "	A2501	10	10	10	10	10	10	10	20	10	10	10	20	10	10	10	20	10	10	10	20	10	10	20	20
LENGTH " " "	A2502	4296	4827	6624	10528	5512	6086	8028	7648	6728	7345	9432	3368	7944	8603	10836	5087	9160	9862	7640	6807	10376	11121	9044	8527
NUMBER " " "	A2502	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
LENGTH OF TOPPING BARS	AI503	2359	2442	2724	3336	2359	2442	2724	3306	3575	3701	4128	5056	3575	3701	4230	5320	4791	4960	5532	6775	4791	4960	5630	7035
NUMBER OF TOPPING BARS	AI503/04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
NUMBER OF PILE TIE BARS	AI505	16	16	16	16	18	18	18	18	18	18	18	18	20	20	20	20	22	22	22	22	22	22	22	22
NUMBER OF WING BARS	WI501	8	8	9	11	8	8	9	11	8	8	9	11	8	8	9	11	8	8	9	11	8	8	9	11
NUMBER OF WING U-BARS	WI502	18	18	22	26	18	18	22	26	18	18	22	26	18	18	22	26	18	18	22	26	18	18	22	26
NUMBER OF DOWELS	Z250H	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13
NUMBER OF DOWELS	E2501	36	36	36	36	42	42	42	42	42	42	42	42	48	48	48	48	54	54	54	54	54	54	54	54
NUMBER OF TIES	PI001	36	36	36	36	42	42	42	42	42	42	42	42	48	48	48	48	54	54	54	54	54	54	54	54
NUMBER OF STIRRUPS	PI501	48	49	53	65	54	55	60	73	42	61	67	82	66	67	74	90	54	74	81	99	78	80	88	107
NUMBER " " "	PI502	36	36	36	36	42	42	42	42	42	42	42	42	48	48	48	48	54	54	54	54	54	54	54	54
NUMBER " " "	PI503	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 " " "	PI504	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 " " "	PI505	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 SPLICE TIES	PI507				10			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
NUMBER U-BARS	PI508	14	16	18	20	18	18	20	24	20	22	24	28	24	24	28	32	28	28	30	36	30	32	34	40
LENGTH OF TOPPING BARS	PI509	2359	2442	2724	3336	2359	2442	2724	3306	3575	3701	4128	5056	3575	3701	4230	5320	4791	4960	5532	6775	4791	4960	5630	7035
NUMBER OF TOPPING BARS	PI509/0	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	P2501	9568	9910	11071		10784	11170																		
NUMBER " " "	P2501	4	4	4		4	4																		
LENGTH " " "	P2502				8600			8600	8600	8600	8600	11600	8600	8600	8600	11600	11600	11600	11600	11600	11600	11600	11600	11600	11600
NUMBER " " "	P2502				4			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
LENGTH " " "	P2503				6393			5275	8113	4800	5228	6680	6833	6016	6488	5084	8552	4232	4746	6488	10272	5448	6005	7892	11992
NUMBER " " "	P2503				4			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
LENGTH " " "	P2504	9568	9910	11071		10784	11170			12000															
NUMBER " " "	P2504	9	9	9		9	9			9															
LENGTH " " "	P2505				9000			9000	12000					9000	9000	12000	12000	9000	9000	12000	12000	9000	9000	12000	12000
NUMBER " " "	P2505				9			9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
LENGTH " " "	P2506				5993			4875	4713	4828	6280	6433		5616	6088	4684	8152	6832	7346	6088	9872	8048	8605	7492	11592
NUMBER " " "	P2506				9			9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
NUMBER OF DOWELS	Z250H	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26

⊗ OMIT FOR PIERS WITH PIPE PILES
 # OMIT FOR PIERS WITH H-PILES

