

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	2155	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	
NUMBER OF STIRRUPS	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 U-BARS	O	71	80	87	109	78	82	90	114	84	94	102	126	92	96	105	131	100	104	114	142	100	112	122	150	
LENGTH OF MAIN BARS	P	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 " " "	Q	10	10	10	10	10	10	10	20	10	10	10	20	10	10	10	20	10	10	10	20	10	10	10	20	
LENGTH " " "	R	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 " " "	S	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	T	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	U	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	V	16	16	16	16	18	18	18	18	20	20	20	20	20	20	20	20	22	22	22	22	22	22	22	22	
NUMBER OF WING BARS	W	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	X	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	Y	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	Z	36	36	36	36	42	42	42	42	48	48	48	48	48	48	48	48	54	54	54	54	54	54	54	54	
NUMBER OF TIES	AA	36	36	36	36	42	42	42	42	48	48	48	48	48	48	48	48	54	54	54	54	54	54	54	54	
NUMBER OF STIRRUPS	AB	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 " " "	AC	36	36	36	36	42	42	42	42	48	48	48	48	48	48	48	48	54	54	54	54	54	54	54	54	
NUMBER " " "	AD		2	2	2		2	2	2		2	2	2		2	2	2		2	2	2	2	2	2		
NUMBER " " "	AE			2	2			2	2			2	2			2	2			2	2	2	2	2		
NUMBER " " "	AF							2	2			2	2			2	2			2	2	2	2	2		
NUMBER OF SPLICE TIES	AG				10			10	10			10	10			10	10			10	10	10	10	10		
NUMBER U-BARS	AH	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	AI	2359	2442	2724	3336	2359	2442	2724	3336	3575	3701	4128	5056	3575	3701	4230	5320	4791	4960	5532	6775	4791	4960	5630	7035	
NUMBER OF TOPPING BARS	AJ	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	AK	9568	9910	11071		10784	11170																			
NUMBER " " "	AL	4	4	4		4	4																			
LENGTH " " "	AM				8600			8600	8600	8600	8600	11600		8600	8600	11600	11600	11600	11600	11600	11600	11600	11600	11600	11600	
NUMBER " " "	AN				4			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
LENGTH " " "	AO				6393			5275	8113	4800	5228	6680	6833	6016	6488	5084	8552	4232	4746	6488	10272	5448	6005	7892	11992	
NUMBER " " "	AP				4			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
LENGTH " " "	AQ	9568	9910	11071		10784	11170			12000																
NUMBER " " "	AR	9	9	9		9	9			9																
LENGTH " " "	AS				9000			9000	12000			9000	12000	9000	9000	12000	12000	9000	9000	12000	12000	9000	9000	12000	12000	
NUMBER " " "	AT				9			9	9			9	9			9	9			9	9	9	9	9	9	
LENGTH " " "	AU				5993			4875	4713			4828	6280	6433	5616	6088	4684	8152	6832	7346	6088	9872	8048	8605	7492	11592
NUMBER " " "	AV				9			9	9			9	9			9	9			9	9	9	9	9	9	
NUMBER OF DOWELS	AW	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	

BAR LIST: FOR ABUTMENTS AND PIERS					
MARK	SIZE	TYPE	X	Y	LENGTH
A1501	15	C	450	480	2140
A1502	15	A	450	450	1350
A1503	15	F	P	600	P + 600
A1504	15	F	P	1200	P + 1200
A1505	15	E	225	480	1690
A2501	25	STR			M
A2502	25	STR			N
W1501	15	STR			12 000
W1502	15	A	450	450	1350
Z2501H	25	STR			750
E2501	25	STR			1000
P1001	10	D	450		650
P1501	15	C	450	480	2 140
P1502	15	E	225	480	1 690
P1503	15	C	465	480	2 170
P1504	15	C	520	480	2 280