

DATA FOR STANDARD SLC 510 X 1206 PRECAST GIRDER BRIDGES WITH CAST-IN-PLACE CONCRETE SUBSTRUCTURES

GENERAL	CLEAR ROADWAY WIDTH (GIRDERS PER SPAN)	C	8720 (8)				9940 (9)				11160 (10)				12380 (11)				13600 (12)				14820 (13)								
			9870				11090				12310				13530				14750				15970								
			0'	15'	30'	40'	0'	15'	30'	40'	0'	15'	30'	40'	0'	15'	30'	40'	0'	15'	30'	40'	0'	15'	30'	40'					
	OVERALL WIDTH	B																													
	SKEW																														
GENERAL	CROWN	K	99	99	99	99	111	111	111	111	123	123	123	123	135	135	135	135	148	148	148	148	160	160	160	160					
	DIFFERENTIAL FOR ROADWAY GRADE OF	1%	L	0	26	57	83	0	30	64	93	0	33	71	103	0	36	78	114	0	40	85	124	0	43	92	134				
		2%	L	0	53	114	166	0	59	128	186	0	66	142	207	0	73	156	227	0	79	170	248	0	86	184	268				
3%		L	0	79	171	248	0	89	192	279	0	99	213	310	0	109	234	341	0	119	255	371	0	128	277	402					
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	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	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	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	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	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	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	2050	2120	2370	2680	
	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	810	846	925	1044	
	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	10	10	10	10	
	NUMBER OF PILES EACH PIER		5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	
PIER PILE SPACING	S	2060	2130	2380	2690	1910	1980	2210	2490	2120	2190	2450	2770	1990	2060	2300	2600	1890	1960	2180	2470	2050	2120	2370	2680	2050	2120	2370	2680		
PIER PILE END DISTANCE	T	815	849	938	1062	770	790	878	1014	855	897	982	1110	795	824	911	1031	760	775	886	982	810	846	925	1044	810	846	925	1044		
DOWELS	NUMBER PER LINE		8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	13	13	13	13	
	32 mm DIA DOWEL SPACING	U	1220	1263	1409	1593	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	Ub	1045	1082	1207	1364	1045	1082	1207	1364	1045	1082	1207	1364	1045	1082	1207	1364	1045	1082	1207	1364	1045	1082	1207	1364	1045	1082	1207	1364	
	32 mm DIA DOWEL END DISTANCE	Ua	870	901	1005	1136	870	901	1005	1136	870	901	1005	1136	870	901	1005	1136	870	901	1005	1136	870	901	1005	1136	870	901	1005	1136	
REINFORCEMENT ONE ABUTMENT	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	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	54	56	62	70	
	LENGTH OF TOPPING BARS	A1503	4860	5034	5624	6367					6080	6297	7032	7960					7300	7560	8441	9553									
		A1504	Y																												
	NUMBER OF TOPPING BARS	A1503	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
		A1504	Y																												
	LENGTH OF MIDDLE BARS	A1505	W	11620	12033	13433	15199	12840	13296	14842	16792	14060	14560	16251	18385	15280	15823	17659	19977	16500	17086	19068	21570	17720	18349	20477	23162	17720	18349	20477	23162
	NUMBER OF MIDDLE BARS	A1505	8	8	8	8	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	W	11620	12033	13433	15199	12840	13296	14842	16792	14060	14560	16251	18385	15280	15823	17659	19977	16500	17086	19068	21570	17720	18349	20477	23162	17720	18349	20477	23162
	NUMBER OF MAIN BARS	A2501	8	8	8	8	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	18000	18000	18000	18000	
	NUMBER OF WING UPPER BARS	W1501	4	4	4	5	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	28	28	32	36	
	NUMBER OF WING U-BARS (ACUTE)	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	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	16	16	18	20	
	NUMBER OF WING STIRRUPS (ACUTE)	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	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	18000	18000	18000	18000	
	NUMBER OF WING LOWER BARS	W1504	2	2	3	3	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	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	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	18000	18000	18000	18000		
NUMBER OF WING MAIN BARS	W2501	3	3	3	3	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	16	16	16	16		
NUMBER OF PILE DOWELS	E3001	40	40	40	40	48	48	48	48	48	48	48	48	56	56	56	56	64	64	64	64	64	64	64	64	64	64	64	64		
NUMBER OF BARS IN UPSTREAM PILE	E3002	8	8	8	8	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 STIRRUPS	P1501	41	41	42	46	46	46	48	53	52	52	53	59	56	56	59	66	60	61	65	72	65	66	70	78	65	66	70	78		
NUMBER OF U-BARS	P1502	41	41	42	46	46	46	48	53	52	52	53	59	56	56	59	66	60	61	65	72	65	66	70	78	65	66	70	78		
NUMBER OF STIRRUPS	P1503		2	2	2		2	2	2																						