

CLEAR ROADWAY (GIRDERS PER SPAN)		8000 (8)				9200 (9)				10400 (10)				11600 (11)				12800 (12)				14000 (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*	
GENERAL	SKEW	A	9100	9420	10508	12870	10300	10664	11894	14566	11500	11906	13278	16266	12800	13248	14780	18104	14000	14494	16168	19802	15200	15734	17552	21498
	OVERALL WIDTH	B	91	91	91	91	103	103	103	103	115	115	115	115	128	128	128	128	140	140	140	140	152	152	152	152
	CROWN	C	0	24	53	91	0	28	59	103	0	31	66	115	0	34	74	128	0	38	81	140	0	41	88	152
	DIFFERENTIAL FOR ROADWAY GRADE OF	1 % 2 % 3 %	C C C	0 0 0	24 49 73	53 105 158	91 182 273	0 0 0	28 55 83	59 119 178	103 206 309	0 0 0	31 62 92	66 133 199	115 230 345	0 0 0	34 69 103	74 148 222	128 256 384	0 0 0	38 75 113	81 162 242	140 280 420	0 0 0	41 81 122	88 176 263
PILES	ABUT WING PROJECTION	D	1200	1250	1400	1700	1200	1250	1400	1700	1200	1250	1400	1700	1200	1250	1400	1700	1200	1250	1400	1700	1200	1250	1400	1700
	ABUT WING PILE LOCATION	E	1300	1350	1500	1850	1300	1350	1500	1850	1300	1350	1500	1850	1300	1350	1500	1850	1300	1350	1500	1850	1300	1350	1500	1850
	MAIN PILE NUMBER	F	6	6	6	6	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9
	" " SPACING	G	1400	1449	1617	1980	1640	1698	1894	2319	1567	1622	1809	2216	1529	1582	1765	2162	1488	1540	1718	2104	1638	1695	1891	2316
DOWELS Z2001	" " END DISTANCE	H	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	I	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	J	1210	1253	1397	1711	1210	1253	1397	1711	1210	1253	1397	1711	1210	1253	1397	1711	1210	1253	1397	1711	1210	1253	1397	1711
	END DISTANCES	K L	1010 630 705	1046 652 729	1166 727 815	1428 891 998	1010 630 700	1046 652 724	1166 727 809	1428 891 990	1010 630 695	1046 652 719	1166 727 803	1428 891 985	1010 630 740	1046 652 763	1166 727 855	1428 891 1048	1010 630 735	1046 652 760	1166 727 851	1428 891 1042	1010 630 730	1046 652 753	1166 727 844	1428 891 1034
REINFORCING ONE ABUTMENT	NUMBER OF STIRRUPS	A1501	71	73	82	102	76	83	92	112	84	86	96	118	92	94	105	129	100	102	114	140	100	110	122	148
	LENGTH OF MAIN BARS	A2501	12000	12000	12000	12000																				

BAR LIST: FOR ABUTMENTS AND PIERS							
MARK	SIZE	TYPE	X	Y	LENGTH	* QTY	* MASS
A1501	15	D			1 960		
A2501	25	STR			12 000		
A2502	25	STR			M		
W1501	15	STR			12 000		
Z2001	20	STR			750		
E2501	25	STR			1 100		
P1501	15	C	400	480	2 040		
P1502	15	C	230	480	1 700		
P1503	15	C	415	480	2 070		
P1504	15	C	460	480	2 160		
P1505	15	C	565	480	2 370		
P2501	25	A	N		N + 560		
P2502	25	B	N = 11 720		12 000		
P2503	25	B	P		P + 280		

BAR TYPES

(ALL BAR DIMENSIONS ARE OUT TO OUT) N T S

Diagram illustrating the relationship between the theoretical crown of the abutment or pier, the roadway width (RDWY), and the bridge deck width (B). The diagram shows the offset from the centerline to the edge of the deck (2) and the width of the deck (B). The text "FOR BRIDGES WITH ODD NUMBER OF GIRDERS" is also present.

300

HAZARD MARKER (VERTICAL)

900

380

400

60

60

TOP OF CURB

ALIGN FIELD DRILLED HOLES TO ENSURE THAT THE SIGN POST IS VERTICAL

BRIDGERAIL POST
HSS 101.6 x 101.6 x 7.95

STD SIGN POST

2-12# x 200 LG
BOLT C/W HEX
NUT & WASHERS
(GALV.) FIELD DRILL
POST.

D SECTION

1:10

DROP-IN WASHER

FOR SC-510 GIRDER TO GIRDER CONNECTIONS
(SUPPLIED BY THE DEPARTMENT
IN 2mm AND 4mm THICKNESSES)

1 : 5

Diagram illustrating a continuous beam bridge structure with two spans. The bridge is supported by two piers and two abutments. The spans are labeled "SPAN LENGTHS AS SPECIFIED ELSEWHERE". The piers are labeled "PIER" and the abutments are labeled "ABUT". A large diagonal stamp reading "SUPERSEDED" is overlaid on the right side of the diagram. Below the stamp, there is a note: "IF, IN ANY CASE, SHALL BE SPECIFIED ELSEWHERE".

Alberta TRANSPORTATION AND UTILITIES
BRIDGE ENGINEERING BRANCH

SC PRECAST GIRDER BRIDGES
WITH CONCRETE SUBSTRUCTURES
SHEET 2

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APPROVED	
<div><div></div><div>EXECUTIVE DIRECTOR BRIDGE ENGINEERING</div></div>	
DATE <div><div></div></div> AUG 23, 1990	

Alberta TRANSPORTATION AND UTILITIES BRIDGE ENGINEERING BRANCH	
SC PRECAST GIRDER BRIDGES WITH CONCRETE SUBSTRUCTURES SHEET 2	