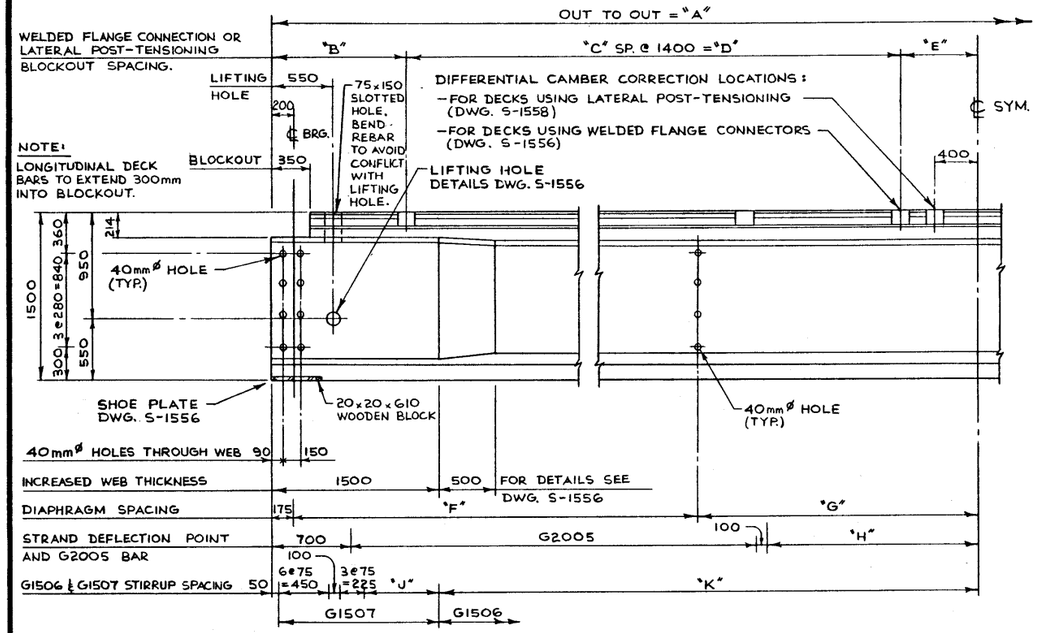


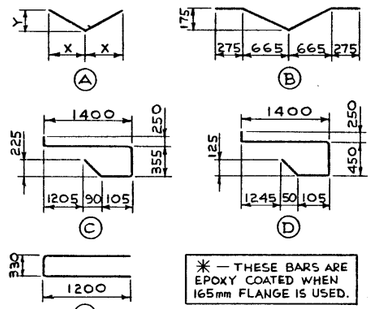
ELEVATION

1:25

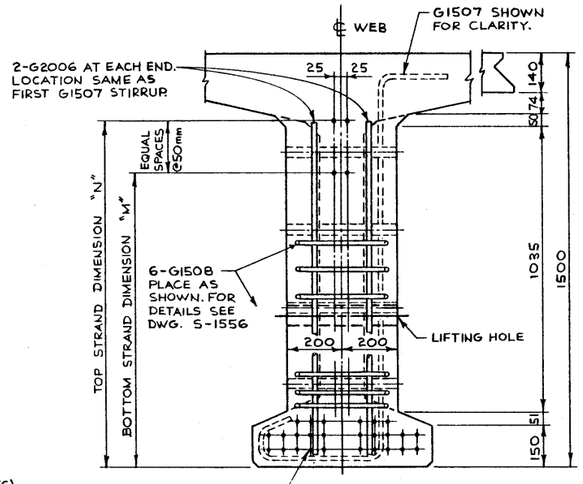
BAR LIST: TYPICAL SQUARE GIRDER						
MARK	SIZE	TYPE	X	Y	FLANGE WIDTH	LENGTH
G1501	15	A	550	120	1200	1130
G1502	15	A	680	150	1500	1390
G1503	15	B			2000	1930
* G1504	15	STR			ALL FLANGES	
G1505	15	STR			ALL FLANGES	
G1506	15	C			ALL FLANGES	2350
G1507	15	D			ALL FLANGES	2340
G1508	15	E			ALL FLANGES	2730
* G2001	20	STR			1200	1000
* G2002	20	STR			1500	1300
* G2003	20	STR			2000	1800
G2004	20	STR			ALL FLANGES	
G2005	20	STR			ALL FLANGES	
G2006	20	STR			ALL FLANGES	1220

BAR TYPES

(ALL BAR DIMENSIONS ARE OUT TO OUT)

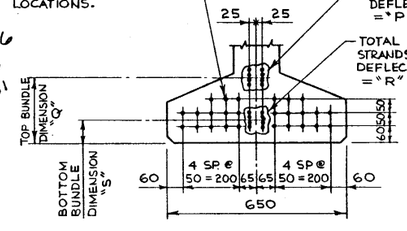


* — THESE BARS ARE EPOXY COATED WHEN 165mm FLANGE IS USED.



END

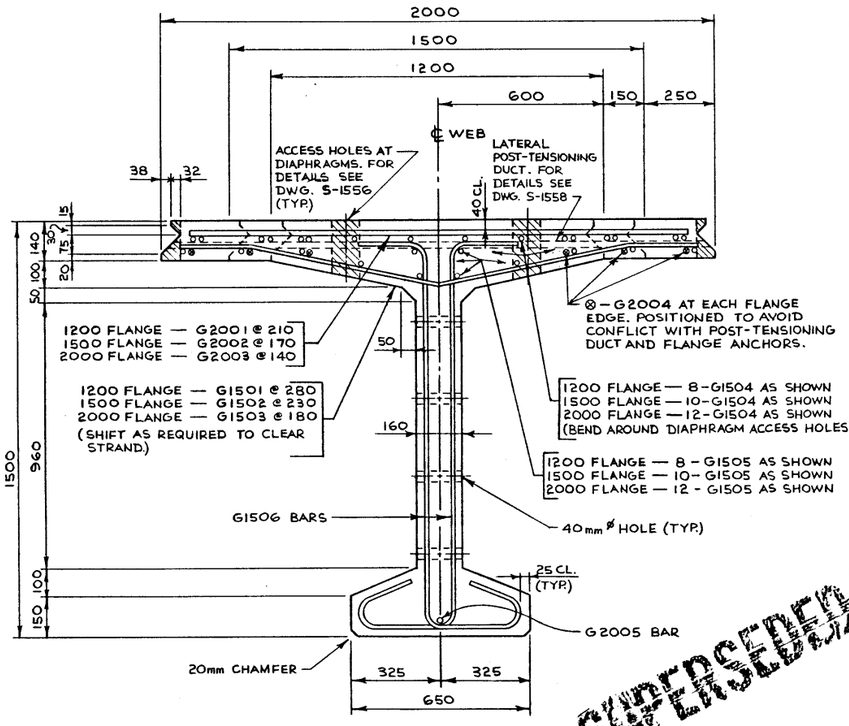
"•"-INDICATES ALL POSSIBLE LOCATIONS FOR STRAND. SEE "X" IN COLUMN "L" FOR SPECIFIC STRAND LOCATIONS.



TOTAL NUMBER OF STRANDS = "T"

MIDSPAN STRAND PATTERN

1:10



TYPICAL SECTION

1:10

SUPERSEDED BY S-1596 SHEET B 90-10-31

	"A" (m)	FLANGE CONNECTOR SPACING "B", "C", "D", "E"	DIAPHRAGM SPACING "F"	DEF'L POINT LOC "H"	SPACING OF G1507 STIRRUPS "J" (END-INT)	INTERIOR SPACING OF G1506 STIRRUPS (END TO CL SYMM) "K" (# @ mm)	BULB STRAND LOC'S SYMM "L"	DEFLECTED WEB STRANDS CL PATTERN HT OF STR "P" @ "Q" "R" @ "S" TOT ( )	TOT # OF STR "T"	CONC f'c RLSE 28dy MPa	INITIAL FINAL STRAND FORCE (kN)	GIRDER MASS 140 mm 165 mm FLANGE	CAMBER RLSE/FNL (mm)	WHEEL LINE DIST/ GIRDR
DBT 1500x1200	36	500, 12, 16800,700	11825 0	3500	(325, 300)	(350, 27 @ 600)	.x. xxxxx xxxxx	910-1260 (16)	6 @ 208 10 @ 85	38	28 35	128.6 97.1	48.8 51.2	51/ 71 51/ 87	0.69
	34	900, 11, 15400,700	11325 0	3500	(325, 300)	(550, 25 @ 600)	... xxxx. xxxxx	710-1060 (16)	6 @ 208 10 @ 85	34	28 35	128.6 98.8	46.3 48.7	43/ 62 43/ 74	0.69
	32	1300, 10, 14000,700	10525 0	2500	(325, 300)	(350, 400, 23 @ 600')	... .xxx. xxxxx	610-910 (14)	4 @ 201 10 @ 85	30	28 35	128.6 100.5	43.7 46.2	36/ 53 34/ 58	0.70
	30	1000, 9, 12600,1400	9825 0	2500	(325, 300)	(350, 22 @ 600)	... xxx. xxxxx	810-1010 (10)	10 @ 85	26	28 35	128.6 102.2	41.2 43.6	27/ 39 26/ 44	0.70
	28	700, 9, 12600,700	9225 0	2500	(325, 300)	(550, 20 @ 600)	... .xx.. xxxxx	760-960 (10)	10 @ 85	24	28 35	128.6 102.6	38.7 41.1	24/ 37 24/ 43	0.71
	26	1100, 8, 11200,700	8525 0	2500	(325, 300)	(350, 400, 18 @ 600')	... .x.. xxxxx	710-910 (10)	10 @ 85	22	28 35	128.6 103.2	36.2 38.6	20/ 32 21/ 39	0.71
	24	800, 7, 9800,1400	11825 NOT REQ'D	2500	(325, 300)	(350, 17 @ 600)	 xxxxx	760-910 (8)	8 @ 79	18	28 35	128.6 105.5	33.4 35.8	14/ 23 14/ 26	0.72
	22	500, 7, 9800,700	10825 NOT REQ'D	1500	(325, 300)	(550, 15 @ 600)	..... xx.xx	660-810 (8)	8 @ 79	16	28 35	128.6 106.4	30.9 33.3	11/ 18 9 / 16	0.73
	20	900, 6, 8400,700	9825 NOT REQ'D	1500	(325, 300)	(350, 400, 13 @ 600')	..... xx.xx	810-910 (6)	6 @ 73	14	28 35	128.6 107.3	28.3 30.8	8 / 13 7 / 13	0.74
	18	1300, 5, 7000,700	8825 NOT REQ'D	1500	(325, 300)	(350, 12 @ 600)	..... xx.xx	1010-1060 (4)	4 @ 66	12	28 35	128.6 108.4	25.8 28.2	5 / 9 5 / 9	0.76
	16	1000, 4, 5600,1400	7825 NOT REQ'D	0	(325, 300)	(550, 10 @ 600)	..... x..xx	860-910 (4)	4 @ 66	10	28 35	125.0 106.7	23.3 25.7	4 / 8 3 / 6	0.77
	14	700, 4, 5600,700	6825 NOT REQ'D	0	(325, 300)	(350, 400, 8 @ 600')	..... x..xx	910-960 (4)	4 @ 230	10	28 35	120.0 102.7	20.8 23.2	3 / 6 3 / 6	0.79
	12	1100, 3, 4200,700	NOT REQ'D NOT REQ'D	0	(325, 300)	(350, 3 @ 425, 525 , 4 @ 600)	..... x..xx	910-960 (4)	4 @ 430	10	28 35	118.0 101.4	18.0 20.4	2 / 4 2 / 4	0.82
DBT 1500x1500	32	1300, 10, 14000,700	10525 0	2500	(325, 300)	(350, 4 @ 400, 21 @ 600)	..... xxxx. xxxxx	660-1010 (16)	6 @ 208 10 @ 85	34	28 35	128.6 98.2	47.9 50.6	42/ 65 41/ 72	0.81
	30	1000, 9, 12600,1400	9825 0	2500	(325, 300)	(2 @ 500, 550, 20 @ 600)	... xxxx. xxxxx	860-1110 (12)	2 @ 195 10 @ 85	30	28 35	128.6 99.8	45.2 47.9	33/ 51 35/ 64	0.82
	28	700, 9, 12600,700	9225 0	2500	(325, 300)	(350, 2 @ 400, 19 @ 600)	..... xxxx. xxxxx	960-1160 (10)	10 @ 85	28	28 35	128.6 99.8	42.4 45.2	29/ 47 29/ 53	0.83
	26	1100, 8, 11200,700	8525 0	2500	(325, 300)	(350, 400, 18 @ 600')	... .xxx. xxxxx	1010-1160 (8)	8 @ 79	24	28 35	128.6 102.0	39.7 42.5	22/ 36 22/ 41	0.83
	24	800, 7, 9800,1400	11825 NOT REQ'D	2500	(325, 300)	(350, 17 @ 600)	... .xx.. xxxxx	1160-1260 (6)	6 @ 73	20	28 35	128.6 104.2	36.6 39.3	14/ 21 15/ 27	0.84
	22	500, 7, 9800,700	10825 NOT REQ'D	2500	(325, 300)	(550, 15 @ 600)	... ..x.. xxxxx	1060-1160 (6)	6 @ 73	18	28 35	128.6 104.9	33.9 36.6	11/ 18 11/ 20	0.85
	20	900, 6, 8400,700	9825 NOT REQ'D	1500	(325, 300)	(350, 400, 13 @ 600')	 xxxxx	960-1060 (6)	6 @ 73	16	28 35	128.6 105.6	31.2 33.9	9 / 15 8 / 15	0.87
	18	1300, 5, 7000,700	8825 NOT REQ'D	1500	(325, 300)	(2 @ 300, 350, 11 @ 600)	..... xx.xx	860-960 (6)	6 @ 125	14	28 35	128.6 107.1	28.4 31.2	7 / 11 7 / 13	0.88
	16	1000, 4, 5600,1400	7825 NOT REQ'D	1500	(325, 300)	(550, 10 @ 600)	..... xx.xx	1110-1160 (4)	4 @ 225	12	28 35	128.6 108.6	25.7 28.5	4 / 8 4 / 8	0.90
	14	700, 4, 5600,700	6825 NOT REQ'D	0	(325, 300)	(350, 400, 8 @ 600')	..... x..xx	660-710 (4)	4 @ 300	10	28 35	118.0 101.5	23.0 25.7	3 / 6 3 / 6	0.93
	12	1100, 3, 4200,700	NOT REQ'D NOT REQ'D	0	(325, 300)	(350, 7 @ 600)	..... x..xx	660-710 (4)	4 @ 400	10	28 35	115.0 98.8	19.8 22.5	2 / 4 2 / 4	0.96
	10	800, 2, 2800,1400	NOT REQ'D NOT REQ'D	0	(175, 200 , 250)	(2 @ 250, 3 @ 300, 450, 500, 2 @ 600)	..... x..xx	660-710 (4)	4 @ 600	10	28 35	112.0 96.7	17.1 19.8	1 / 2 1 / 2	0.99
DBT 1500x2000	26	1100, 8, 11200,700	8525 0	2500	(325, 300)	(6 @ 300, 425 , 450 , 500, 3 @ 525 , 8 @ 550, 4 @ 600)	..... xxxx. xxxxx	1060-1310 (10)	10 @ 85	28	28 35	128.6 99.1	45.7 48.7	27/ 44 26/ 48	1.04
	24	800, 7, 9800,1400	11825 NOT REQ'D	2500	(325, 300)	(5 @ 300, 350, 400 , 500, 13 @ 600)	... .xxx. xxxxx	910-1110 (10)	10 @ 85	26	28 35	128.6 99.7	42.0 45.0	23/ 39 23/ 43	1.05
	22	500, 7, 9800,700	10825 NOT REQ'D	1500	(325, 300)	(4 @ 300, 2 @ 400, 450, 500, 11 @ 600)	... .xx.. xxxxx	960-1110 (8)	8 @ 79	22	28 35	128.6 101.9	39.0 41.9	16/ 28 16/ 30	1.07
	20	900, 6, 8400,700	9825 NOT REQ'D	1500	(325, 300)	(5 @ 300, 3 @ 400, 450, 9 @ 600)	... .x.. xxxxx	860-1010 (8)	8 @ 150	20	28 35	128.6 103.2	32.0 35.0	12/ 21 13/ 25	1.09
	18	1300, 5, 7000,700	8825 NOT REQ'D	1500	(325, 300)	(4 @ 300, 2 @ 400, 3 @ 450, 7 @ 600)	 xxxxx	810-960 (8)	8 @ 250	18	28 35	128.6 105.0	32.8 35.8	10/ 17 9 / 17	1.11
	16	1000, 4, 5600,1400	7825 NOT REQ'D	1500	(325, 300)	(5 @ 300, 400, 450 , 7 @ 600)	..... xx.xx	810-960 (8)	8 @ 275	16	28 35	128.6 106.2	29.7 32.7	6 / 11 6 / 13	1.13
	14	700, 4, 5600,700	6825 NOT REQ'D	1500	(325, 300)	(300, 3 @ 400, 450 , 6 @ 600)	..... x..xx	710-810 (6)	6 @ 270	12	28 35	125.0 102.7	25.0 28.2	4 / 8 5 / 12	1.17
	12	1100, 3, 4200,700	NOT REQ'D NOT REQ'D	1500	(325, 300)	(2 @ 300, 400, 550 , 5 @ 600)	..... x..xx	960-1010 (4)	4 @ 325	10	28 35	118.0 94.3	23.0 25.8	3 / 6 2 / 4	1.19
	10	800, 2, 2800,1400	NOT REQ'D NOT REQ'D	0	(175, 200 , 250)	(3 @ 250, 2 @ 300, 400, 3 @ 600)	..... x..xx	960-1010 (4)	4 @ 400	10	28 35	115.0 93.3	19.8 22.5	2 / 4 1 / 2	1.21

SUPERSEDED 02

01

NO	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		

REVISIONS

APPROVED

CHIEF BRIDGE ENGINEER

DATE FEB 18 1988

Alberta TRANSPORTATION BRIDGE AND STRUCTURAL ENGINEERING BRANCH

METRIC

DBT 1500 SERIES STANDARD INTERIOR GIRDER DATA SHEET

DESIGNED	DRAWN BY	DATE	CHECKED BY	DATE	STREAM	LOCATION	HWY NO	SCALE	FILE NO	SHEET	DWG NO
B.L.C.	W. S.	83-12-01						SHOWN		OF	S-1552

AT & U - RECORDS SERIES 75815