TABLE 17 – GIRDER DEPTH (mm) – NO SHEAR KEY				
SPAN (m)	L–75	L–100	L–150	L–165
6	400	400	450	500
7	400	450	500	550
8	450	450	550	600
9	450	500	550	650
10	500	550	600	700
11	500	550		
12	550	600		
13	600			

TABLE 18 – GIRDER 28 DAY CONCRETE STRENGTH – NO SHEAR KEY				
SPAN (m)	L–75	L–100	L–150	L–165
6	40	45	45	45
7	45	40	45	45
8	40	50	40	45
9	50	45	50	45
10	40	40	50	45
11	50	45		
12	45	45		
13	45			

TABLE 19 – SIZE & NUMBER OF OPEN STIRRUPS/SECTION – NO SHEAR KEY					
SPAN (m)	STIRRUP ZONE	L–75	L–100	L–150	L–165
6	ZONE A	–	–	–	1–10M
	ZONE B	–	1–15M	2–15M	2–15M
7	ZONE A	–	–	–	1–10M
	ZONE B	–	1–15M	2–15M	2–15M
8	ZONE A	–	–	–	2–10M
	ZONE B	–	1–15M	2–15M	2–15M
9	ZONE A	–	–	–	2–10M
	ZONE B	–	1–15M	2–15M	2–15M
10	ZONE A	–	–	–	2–10M
	ZONE B	–	1–15M	2–15M	2–15M
11	ZONE A	–	–		
	ZONE B	–	1–15M		
12	ZONE A	–	–		
	ZONE B	–	1–15M		
13	ZONE A	–			
	ZONE B	–			

TABLE 20 – L–75 TRUCK – NO SHEAR KEY						
SPAN (m)	NO. OF STRANDS	TOP/BOTTOM BARS	STIRRUP SPACING		GIRDER WEIGHT (kg)	
			ZONE A	ZONE B	4300 WIDE	4900 WIDE
6	18	4–20M	210	210	5830	6620
7	23	4–20M	210	210	6710	7630
8	23	4–20M	220	220	8030	9200
9	27	5–20M	220	220	8960	10280
10	27	5–20M	220	220	10210	11820
11	32	4–25M	240	240	11170	12930
12	31	4–25M	250	250	12240	14360
13	32	5–25M	290	290	14990	17480

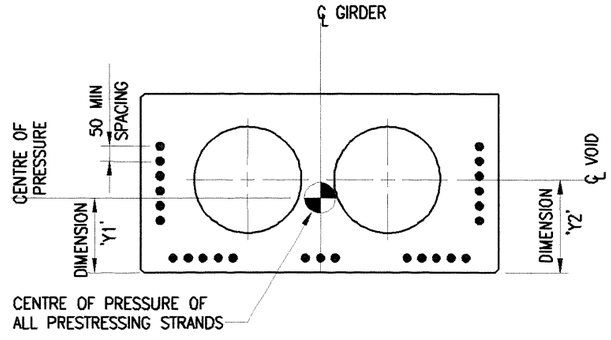
TABLE 21 – L–100 TRUCK – NO SHEAR KEY						
SPAN (m)	NO. OF STRANDS	TOP/BOTTOM BARS	STIRRUP SPACING		GIRDER WEIGHT (kg)	
			ZONE A	ZONE B	4300 WIDE	4900 WIDE
6	22	4–20M	180	180	5820	6620
7	23	4–20M	200	200	7100	8130
8	28	5–20M	200	200	8030	9200
9	28	5–20M	220	220	9260	10720
10	28	5–20M	230	230	10330	12110
11	32	4–25M	230	230	11290	13230
12	34	4–25M	260	260	13900	16210

TABLE 22 – L–150 TRUCK – NO SHEAR KEY						
SPAN (m)	NO. OF STRANDS	TOP/BOTTOM BARS	STIRRUP SPACING		GIRDER WEIGHT (kg)	
			ZONE A	ZONE B	4300 WIDE	4900 WIDE
6	27	4–20M	140	140	6170	7060
7	28	4–20M	160	160	7350	8500
8	29	5–20M	170	170	8420	9850
9	34	4–25M	170	170	9380	10980
10	37	4–25M	200	200	11720	13660

TABLE 23 – L–165 TRUCK – NO SHEAR KEY						
SPAN (m)	NO. OF STRANDS	TOP/BOTTOM BARS	STIRRUP SPACING		GIRDER WEIGHT (kg)	
			ZONE A	ZONE B	4300 WIDE	4900 WIDE
6	29	5–20M	120	120	6400	7390
7	30	5–20M	130	130	7470	8730
8	33	5–20M	150	150	9550	11110
9	37	4–25M	160	160	11890	13790
10	41	4–25M	180	180	14510	16760

NOTE: TOP/BOTTOM BARS IN TABLES 20–23 ARE NUMBER AND SIZE OF BARS IN EACH FLANGE

TABLE 24 – VOID & PRESTRESS STRAND DATA			
GIRDER DEPTH (mm)	VOIDS	DIMENSION 'Y1' (mm)	DIMENSION 'Y2' (mm)
350	2–152 ø	123	154
400	2–203 ø	137	178
450	2–254 ø	149	203
500	2–305 ø	161	225
550	2–356 ø	169	252
600	2–356 ø	177	300
650	2–356 ø	193	325
700	2–356 ø	209	350



ASSUME NOT TO SCALE

PRESTRESS STRAND LAYOUT

Rev	Date	Description	Init

ISSUE RECORD

SCALE

DESIGNED GWT DATE MAR/99
CHECKED GWT DATE MAR/99
DRAWN DG DATE MAR/99

Rev	Date	Description	Init

REVISIONS

Province of British Columbia
MINISTRY OF FORESTS
RESOURCE TENURES AND ENGINEERING BRANCH

STANDARD BRIDGE DRAWING

PRECAST PRESTRESSED CONCRETE SLAB GIRDERS
GIRDER DETAILS – NO SHEAR KEYS

ORIGINAL SIGNED AND SEALED BY: GRAHAM W. TAYLOR, P.ENG.
DESIGN ENGINEER GRAHAM W. TAYLOR, P.ENG.
DATE
FILE No.

APPROVED BY: June/99
MOF ENGINEER
DATE
DRAWING No. STD–E–080–05 A

CANCEL PRINTS BEARING PREVIOUS LETTER