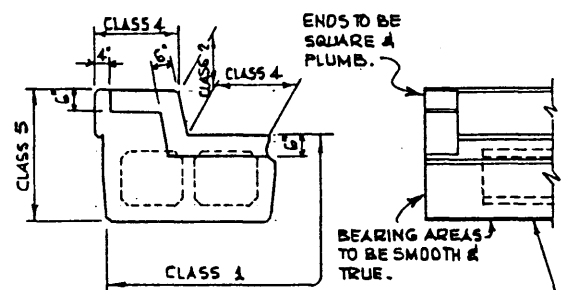


BAR LIST: FOR UNSKEWED GIRDER							
MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 301	3	62	A			1'-5"	33
S 401	4	58	B			6'-2"	239
S 402	4	58	STR.			3'-4"	129
S 403	4	34	C			7'-3"	163
S 404	4	30	D			2'-6"	50
S 405	4	7	STR.			39'-8"	185
E 401	4	4	F			3'-4"	9
E 402	4	4	G			5'-4"	14
E 501	5	2	E	1'-8"		6'-4"	11
E 502	5	2	E	2'-8"		7'-3"	15
C 401	4	3	STR.			39'-8"	79
C 501	5	50	H			5'-4"	278
						TOTAL LBS:	1214
						# ASSUMED 4 POSTS	1207

GENERAL NOTES

- DESIGN:**
- A.A.S.H.O. 1973 SPECIFICATION EXCEPT AS MODIFIED BELOW.
 - ALLOWABLE TENSION AT 80% MODULUS OF RUPTURE.
 - NO TENSION IN DECK SURFACE.
 - WEB REINFORCEMENT - ACCORDING TO A.C.I. 318-71 BUT NOT LESS THAN A.A.S.H.O. MINIMUM.
 - LOADING LIVE LOAD - A.A.S.H.O. HS-25-44
 - DEAD LOAD - GIRDERS = 0.88 KIPS/FT.
 - WEARING SURFACE = 0.10 KIPS/FT.
- MATERIALS:**
- CONCRETE IN GIRDER SHALL BE MADE OF LIGHTWEIGHT COARSE AGGREGATE AND SAND FINES.
 - CONCRETE IN CURB SHALL BE MADE OF STANDARD WEIGHT AGGREGATES.
 - CONCRETE 28 DAY STRENGTH 5000 PSI.
 - RELEASE STRENGTH 4000 PSI.
 - UNIT WEIGHT OF SEMI-LIGHTWEIGHT CONCRETE 120 LB./CU. FT.
 - PRESTRESSING STEEL SHALL BE 1/2" DIAMETER - 7 WIRE 270 K STRAND.
- FABRICATION:**
- GIRDERS SHALL CONFORM TO THE REQUIREMENTS OF THE ALBERTA BRIDGE BRANCH SPECIFICATION FOR THE MANUFACTURE OF PRESTRESSED CONCRETE BRIDGE UNITS.
 - FORCE IN PRESTRESSING STEEL: INITIAL TENSIONING LOAD = 28.73 K/STRAND DESIGN LOAD AFTER LOSSES = 23.12 K/STRAND
 - CURB TO BE CAST MONOLITHICALLY WITH GIRDER.
 - ANCHOR BOLT ASSEMBLIES SHALL BE CAST IN GIRDER AT SPACINGS AS REQUIRED.
- SECTION:**
- LIFTING FORCE AT EACH HOOK SHALL NOT EXCEED 35° FROM THE VERTICAL. GIRDER SURFACE MUST BE LEVEL AT ALL TIMES.
 - CALCULATED WEIGHT OF ONE GIRDER IS 32,020 LBS.

GIRDER FINISHES



DESIGNED R.G.G. D.K.D.		DRAWN BY V.G.B. P.S.Z.		DATE MAY '74		CHECKED BY		DATE		STREAM		LOCATION		HWY. NO.		SCALE SHOWN		FILE NO.		SHEET OF		DWS. NO. 5-1216	
REVISIONS 15 DEC. 75 REF. DWG. 5986-74 TO 75, 5404 D.K.D. SPACING.										APPROVED CHIEF BRIDGE ENGINEER DATE JAN 8 1978		Alberta HIGHWAYS AND TRANSPORT BRIDGE BRANCH 40 FT. TYPE RD-24 CURB GIRDER SEMI-LIGHTWT. CONCRETE											