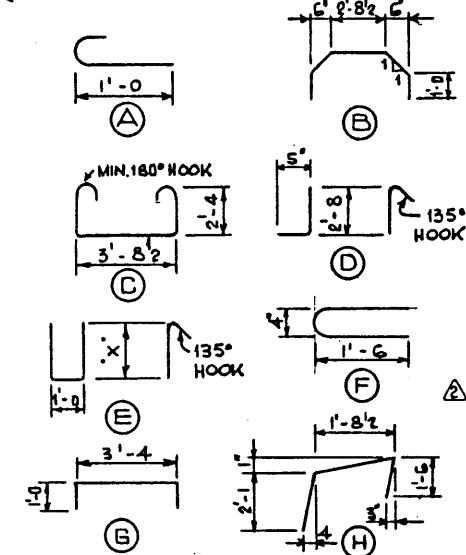


BAR TYPES N.T.S.

(ALL BAR DIMENSIONS ARE OUT TO OUT.)



BAR LIST: FOR UNSKEWED GIRDER

MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 301	3	126	A			1' - 5	67
S 401	4	118	B			6' - 2	486
S 402	4	118	STR			3' - 4	263
S 403	4	64	C			9' - 3	395
S 404	4	60	D			3' - 6	140
S 405	4	14	STR			40' - 4	377
E 401	4	4	F			3' - 4	9
E 402	4	4	G			5' - 4	14
E 501	5	2	E	2'-8"		7' - 4	15
E 502	5	2	E	3'-8"		9' - 3	19
C 401	4	6	STR			40' - 4	162
C 501	5	98	H			5' - 4	545

ASSUMED B POSTS

TOTAL LBS.: 2,537

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 - GIRDER = 1.05 KPS/FT.
- WEARING SURFACE = 0.10 KPS/FT.

MATERIALS:

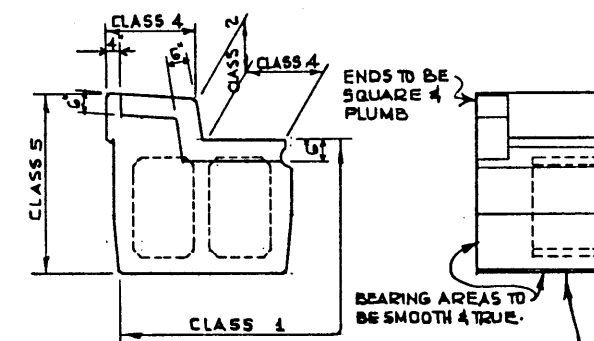
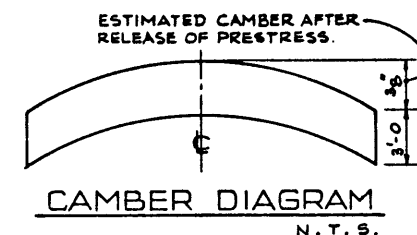
- CONCRETE IN GIRDER SHALL BE MADE OF LIGHTWEIGHT COARSE AGGREGATE AND SAND FINES.
- CONCRETE IN CURB SHALL BE MADE OF STANDARD WEIGHT AGGREGATES.
- CONCRETE 28 DAY STRENGTH 5,000 PSI.
- RELEASE STRENGTH 4,000 PSI.
- UNIT WEIGHT OF SEMI-LIGHTWEIGHT CONCRETE 120 LB./CU. FT.
- PRESTRESSING STEEL SHALL 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 = 21.86 K/STRAND
- CURB TO BE CAST MONOLITHICALLY WITH GIRDER.
- ANCHOR BOLT ASSEMBLIES SHALL BE CAST IN GIRDER AT SPACINGS AS REQUIRED.

ERECTION:

- 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 76,830 LBS.



FABRICATOR'S NAME, YEAR OF MANUFACTURE, SERIAL NUMBER OF UNIT AND HS-25 TO BE CAST INTO BOTTOM OF SLAB IN 2" LETTERS.

GIRDER FINISHES

1/2" = 1'-0"

DESIGNED R.G.Q. D.K.D.	DRAWN BY P.SZ.	DATE AUG. 74	CHECKED BY	DATE	STREAM	LOCATION	HWY. NO.	SCALE SHOWN	FILE NO.	SHEET OF	DWG. NO. S-1244
<div> <div> APPROVED CHIEF BRIDGE ENGINEER </div> <div> JAN 8 1976 </div> </div> <div> <div> 80 FT. TYPE RD-36 CURB GIRDER SEMI-LIGHTWT. CONCRETE </div> <div> M.P. 217 </div> </div>											