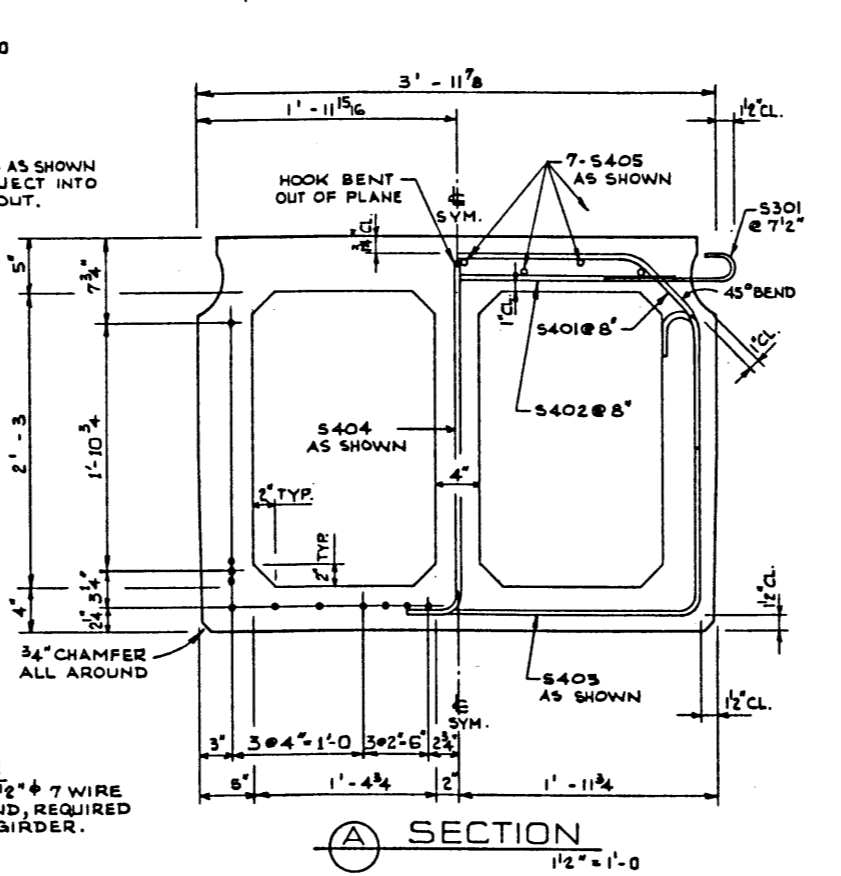
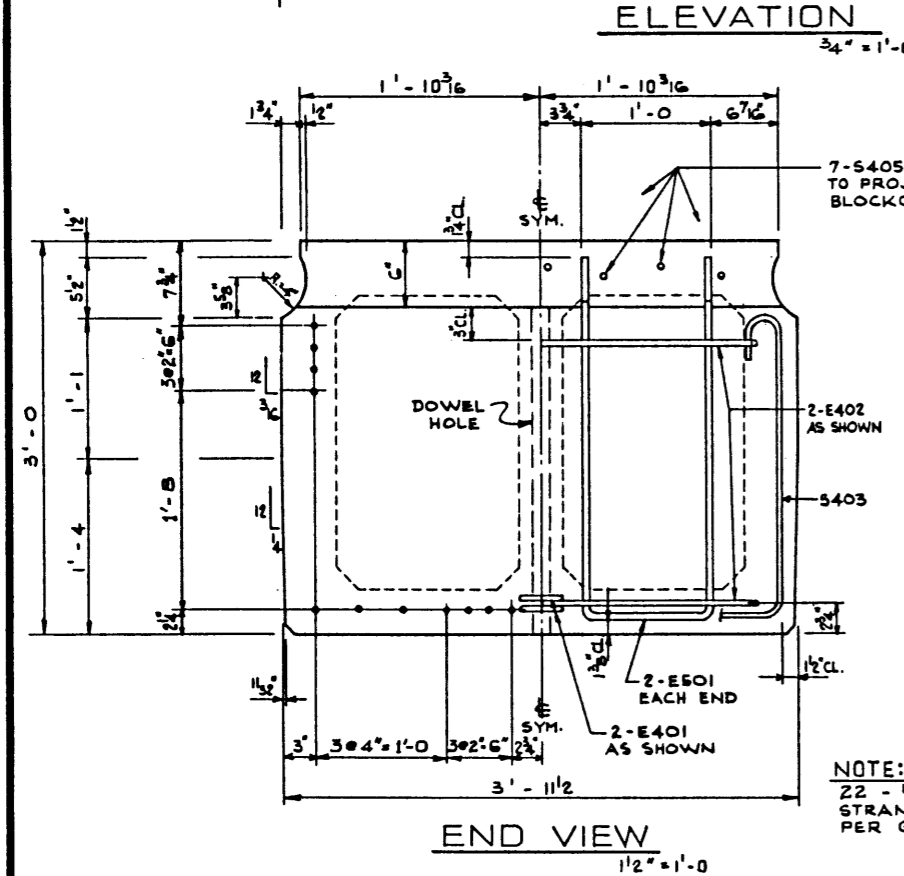
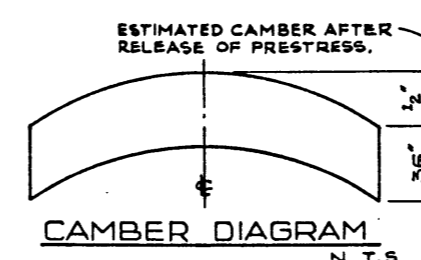
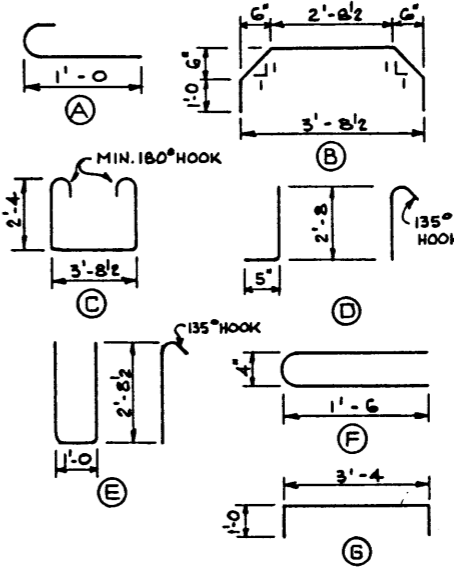


NOTE: BARS SIMILAR TO SQUARE GIRDER BUT LENGTH AND PLACING TO SUIT SKEW.



BAR TYPES - N.T.S.

(ALL BAR DIMENSIONS ARE OUT TO OUT)



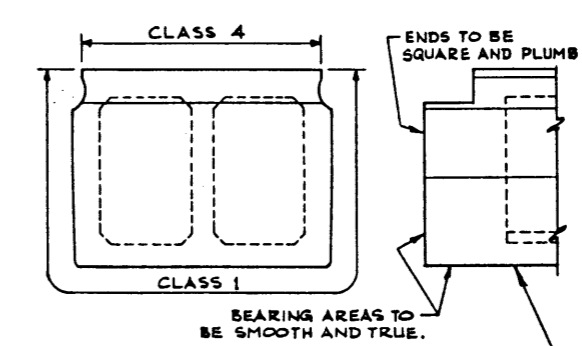
BAR LIST: FOR UNSKEWED GIRDER

MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 301	3	224	A			1'-5	119
S 401	4	103	B			6'-2	424
S 402	4	103	STR			3'-4	229
S 403	4	57	C			9'-3	352
S 404	4	53	D			3'-6	124
S 405	4	14	STR			35'-4	330
E 501	5	4	E			7'-4	31
E 401	4	4	F			3'-4	9
E 402	4	4	G			5'-4	14

TOTAL LBS: 1635
" " " 1632

GENERAL NOTES

- DESIGN:
- A.A.S.H.O. 1973 SPECIFICATION EXCEPT AS MODIFIED BELOW.
 - ALLOWABLE TENSION AT 1/2 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
0.70 WHEEL LINE PER GIRDER
DEAD LOAD - GIRDER = 0.75 KIPS/FT.
WEARING SURFACE = 0.10 KIPS/FT.
- MATERIALS:
- CONCRETE IN GIRDER SHALL BE MADE OF LIGHTWEIGHT COARSE AGGREGATE AND SAND FINES.
 - 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 = 21.05 K/STRAND
- 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 50,760 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

NO.	DATE	DESCRIPTION	BY
1	16 DEC 75	S405 LENGTH.	D.K.D.

APPROVED: *[Signature]*
CHIEF BRIDGE ENGINEER
DATE: JAN 8 1976

DESIGNED: R.G.R. D.K.D. DRAWN BY: V.G.B. DATE: NOV '74 CHECKED BY: DATE: STREAM: LOCATION: HWY. NO.: SCALE: 6" SHOWN FILE NO.: SHEET: 5-1239 DWG. NO.: 5-1239