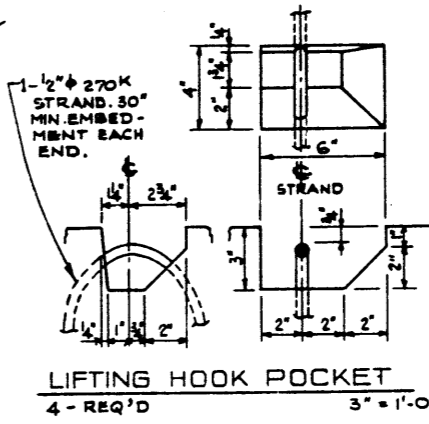
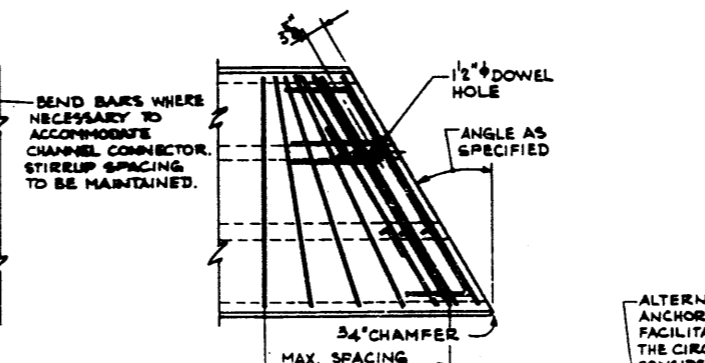
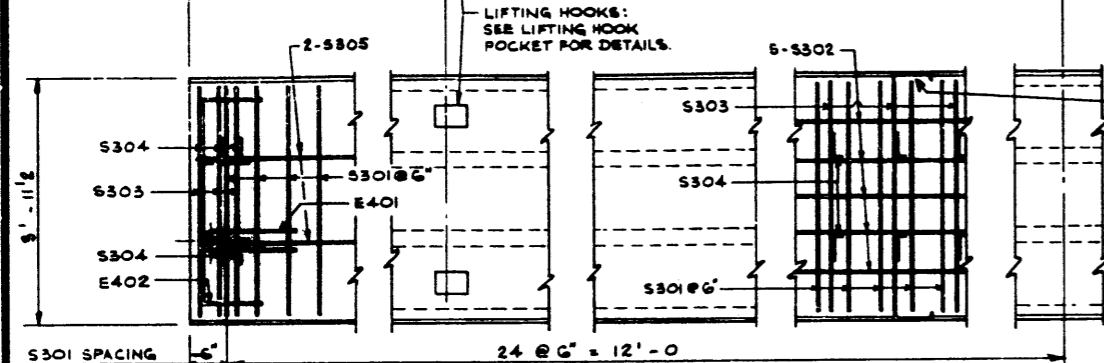


BAR LIST: FOR UNSKEWED GIRDER

MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 301	3	49	A	3'-0 1/2		5'-0	106
S 302	3	5	STR.			24'-8	46
S 303	3	59	B			7'-4	163
S 304	3	116	C			2'-1	91
S 305	3	2	STR.			24'-4	18
E 401	4	6	D			3'-4	13
E 402	4	2	A	3'-4		8'-4	7

TOTAL LBS: 444



BAR TYPES N.T.S.
(ALL BAR DIMENSIONS ARE OUT TO OUT)

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 = 0.524 KIPS/FT.
- WEARING SURFACE = 0.100 KIPS/FT.

MATERIALS:

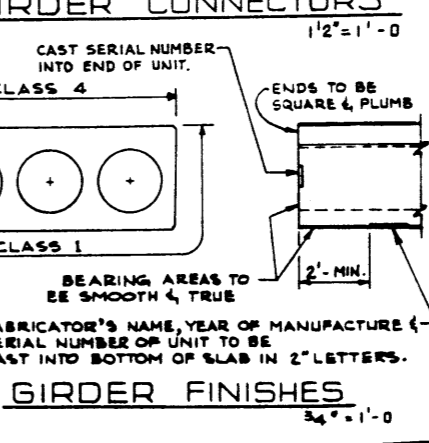
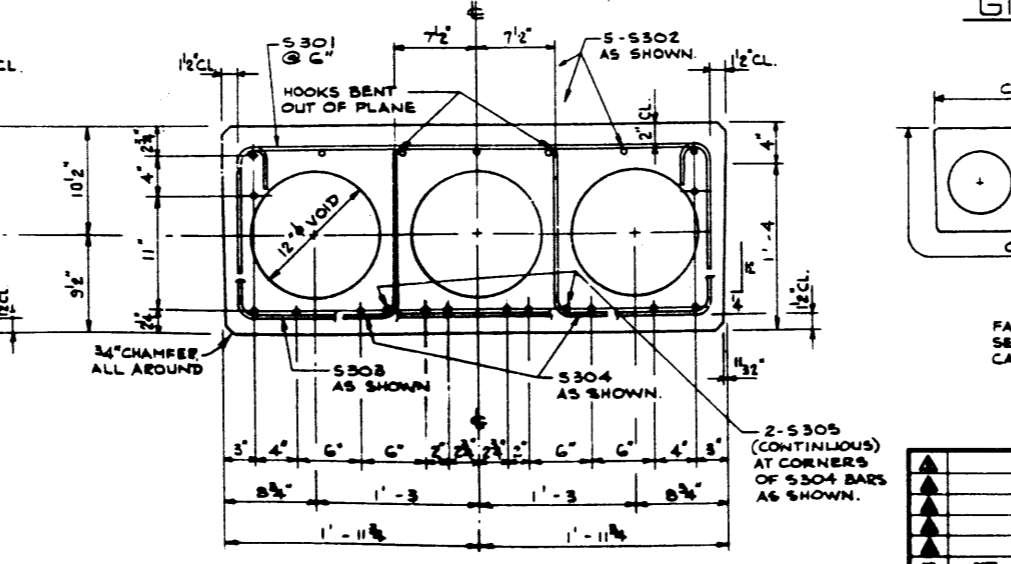
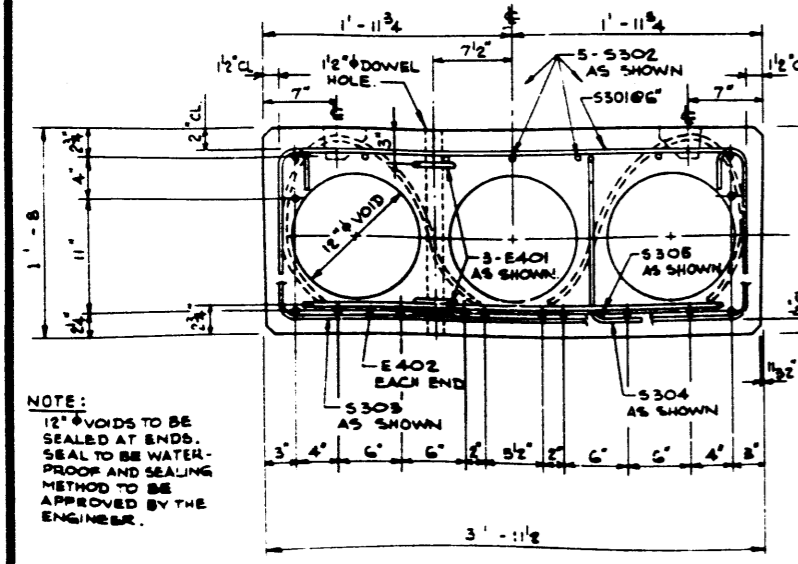
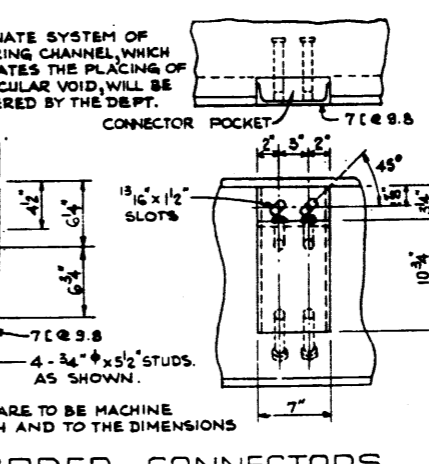
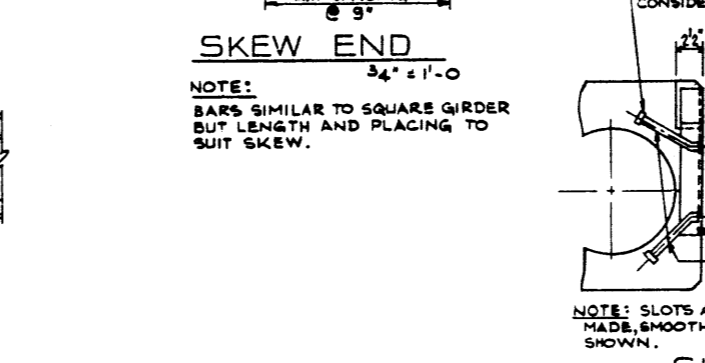
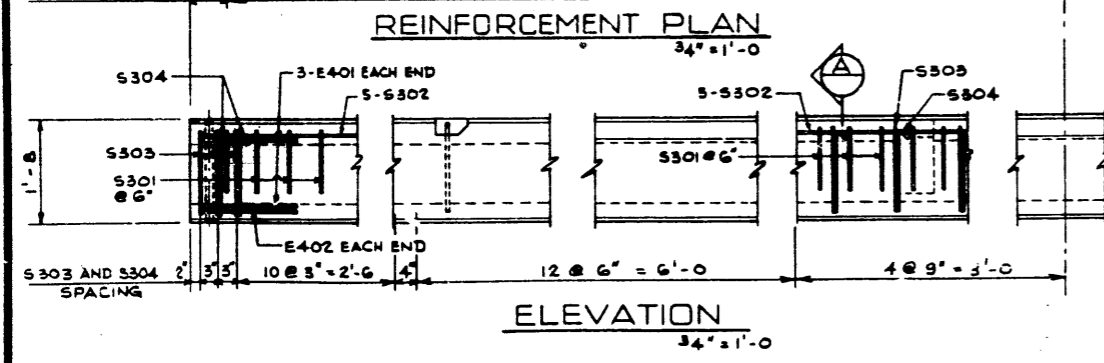
- CONCRETE IN GIRDER SHALL BE MADE OF LIGHTWEIGHT COARSE AGGREGATE AND SAND FINES.
- CONCRETE 28 DAY STRENGTH 5,000 PSI.
- RELEASE STRENGTH 4,000 PSI.
- UNIT WEIGHT OF SEMI-LIGHTWEIGHT CONCRETE 120 LB./CU. FT.
- PRESTRESSING STEEL SHALL BE 1/2\"/>

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 = 21.95 K/STRAND
- BEND OR SHIFT REINFORCING WHERE REQUIRED TO CLEAR GIRDER CONNECTORS AND LIFTING HOOKS. STIRRUP SPACING TO BE MAINTAINED.

SECTION:

- ANY FREE SPACE BETWEEN CONNECTORS SHALL BE FILLED WITH WASHERS.
- CALCULATED WEIGHT OF ONE GIRDER = 13,100 LBS.



SUPERSEDED

SUPERSEDED BY S-12-03-7A

NOTE: 12\"/>

NOTE: 14 - 1/2\"/>

GIRDER FINISHES

APPROVED

REVISIONS

NO.	DATE	DESCRIPTION	BY
1			

DESIGNED BY: R.G. V.G.S. DATE: FEB/74

Alberta HIGHWAYS AND TRANSPORT BRIDGE BRANCH

25 FT. TYPE VS-20 INTERIOR GIRDER SEMI-LIGHTWT. CONCRETE

REV. NO. 5-203