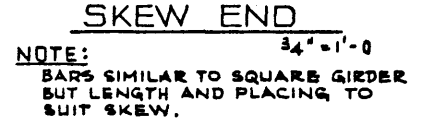


BAR LIST: FOR UNSKEWED GIRDER							
MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 301	3	108	A			1'-5	38
S 401	4	51	B			6'-2	210
S 402	4	51	STR.			3'-4	114
S 403	4	29	C			8'-3	160
S 404	4	25	D			3'-0	60
S 405	4	7	STR.			34'-8	162
E 501	5	4	E			6'-4	26
E 401	4	4	F			3'-4	9
E 402	4	4	G			5'-4	14
						TOTAL LBS:	807
						△ "	803

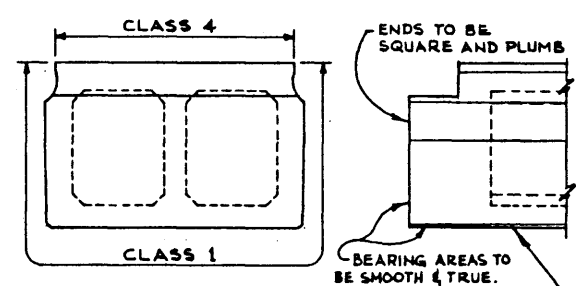


GENERAL NOTES

- DESIGN:
- A.A.S.H.O. 1973 SPECIFICATION EXCEPT AS MODIFIED BELOW.
 - ALLOWABLE TENSION AT $\frac{1}{2}$ 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
 0.70 WHEEL LINE PER GIRDER
 DEAD LOAD - GIRDER = 0.64 KPS/FT.
 WEARING SURFACE = 0.10 KPS/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 = 23.10 K/STRAND
- 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 21,640 LBS. △



GIRDER FINISHES
34' = 1'-0"

APPROVED CHIEF BRIDGE ENGINEER		PROVINCE OF ALBERTA DEPARTMENT OF HIGHWAYS AND TRANSPORT BRIDGE BRANCH	
NO. 18 DEC 73 DATE 18 DEC 73 DESCRIPTION S404 SPACING, GIRDER WEIGHT. BY D.K.B.		35 FT. TYPE RD-30 INTERIOR GIRDER SEMI-LIGHTWT. CONCRETE	
REVISIONS		DATE JAN 8 1976	
DESIGNED R.G.B.	DRAWN BY V.G.B.	DATE JULY 75	SCALE SHOWN
CHECKED BY	DATE	STREAM	LOCATION
FILE NO.	SHEET	DWG. NO.	
		S-1259	