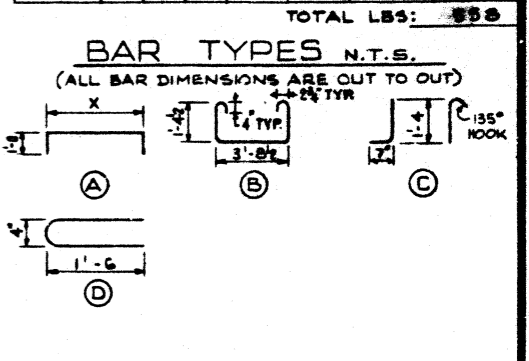


BAR LIST: FOR UNSKEWED GIRDER							
MARK	SIZE	NO.	TYPE	X	Y	LENGTH WEIGHT	
S 401	# 3	36	A	3'-0 1/2		5'-9	1800
S 403	# 5	5	STR			29'-8	88
S 404	# 3	36	B			7'-4	360
S 404	# 3	36	C			2'-4	100
S 409	# 4	2	STR			29'-4	88
E 401	# 4	6	D			3'-4	13
E 402	# 4	2	A	3'-4		5'-4	7



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 ONE WHEEL LINE PER GIRDER
- DEAD LOAD - GIRDER = 0.524 KPS/FT. WEARING SURFACE = 0.100 KPS/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" DIA METER - 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 = 21.58 K/STRAND
- SEND OR SHFT REINFORCING WHERE REQUIRED TO CLEAR GIRDER CONNECTORS AND LIFTING HOOKS. STIRRUP SPACING TO BE MAINTAINED.

ERECTION:

- ANY FREE SPACE BETWEEN CORNERS SHALL BE FILLED WITH WASHERS.
- ALL UNFILLED SPACES SHALL BE FILLED WITH 720 LBS.

SUPERSEDED

SUPERSEDED BY S-1205-74A

DESIGNED		DRAWN BY		DATE		CHECKED BY		DATE		STREAM		LOCATION		REV. NO.		SCALE		FILE NO.		SHEET		DWG. NO.	
RGG	VGB	FEB/74															SHOWN						S-1205-74