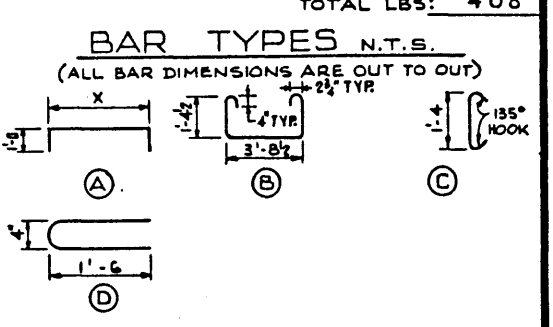


BAR LIST: FOR UNSKEWED GIRDER

MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 401	4	24	A	3'-8 1/2"		5'-9"	92
S 402	4	5	STR.			19'-8"	66
S 403	4	27	B			7'-4"	132
S 404	4	52	C			2'-1"	72
S 405	4	2	STR.			19'-4"	26
E 401	4	6	D			3'-4"	13
E 402	4	2	A	3'-4"		5'-4"	7

TOTAL LBS: 408



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" 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 = 28.75 K/STRAND DESIGN LOAD AFTER LOSSES = 22.35 K/STRAND
 - BEND OR SHIFT REINFORCING WHERE REQUIRED TO CLEAR GIRDER CONNECTORS AND LIFTING HOOKS. STIRRUP SPACING TO BE MAINTAINED.
- RECTION:
- ANY FREE SPACE BETWEEN CONNECTORS SHALL BE FILLED WITH WASHERS.
 - CALCULATED WEIGHT OF ONE GIRDER IS 10,480 LBS.

NOTE: 12" Voids TO BE SEALED AT ENDS. SEAL TO BE WATER-PROOF AND SEALING METHOD TO BE APPROVED BY THE ENGINEER.

NOTE: 12 - 1/2" x 7 WIRE STRAND, REQUIRED PER GIRDER.

77 09 02 1 1/2" SLOTS CHANGED TO 2" LG.	R.W.K.	APPROVED		Albera HIGHWAYS AND TRANSPORT BRIDGE BRANCH 20 FT. TYPE VS-20 INTERIOR GIRDER SEMI-LIGHTWT. CONCRETE
22 JAN. 76 BAR S404 REPRESENTATION CORRECTED	R.G.Q.			
NOV 24 1974 REDRAWN FROM S-1201-74	R.G.Q.			
NO. DATE DESCRIPTION BY	DATE	DATE		
DESIGNED DRAWN BY DATE CHECKED BY DATE STREAM LOCATION HWY. NO. SCALE FILE NO. SHEET				
R.G.Q. M.M.E. 10/74				SHOWN

ENCL. NO. S-1201-74A