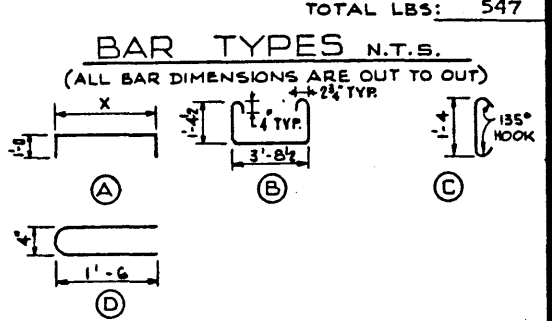


BAR LIST: FOR UNSKEWED GIRDER

MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 401	4	36	A	3'-8 1/2"		5'-9"	138
S 408	4	5	STR			29'-8"	99
S 403	4	33	B			7'-4"	162
S 404	4	64	C			2'-1"	89
S 409	4	2	STR			29'-4"	39
E 401	4	6	D			3'-4"	13
E 402	4	2	A	3'-4"		5'-4"	7

TOTAL LBS: 547



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 = 28.73 K/STRAND, DESIGN LOAD AFTER LOSSES = 21.58 K/STRAND
 - BEND OR SHIFT REINFORCING WHERE REQUIRED TO CLEAR GIRDER CONNECTORS AND LIFTING HOOKS. STIRRUP SPACING TO BE MAINTAINED.

- ERECTION:
- ANY FREE SPACE BETWEEN CONNECTORS SHALL BE FILLED WITH WASHERS.
 - CALCULATED WEIGHT OF ONE GIRDER IS 15,720 LBS.

7709 02	1/2" IG SLOTS CHANGED TO 2" IG	R.W.K.	APPROVED		Alberta HIGHWAYS AND TRANSPORT BRIDGE BRANCH
22 JAN. 76	BAR S404 REPRESENTATION CORRECTED	R.G.Q.	30 FT. TYPE VS-20 INTERIOR GIRDER SEMI-LIGHTWT. CONCRETE		
DEC. 2. 74	REDRAWN FROM S-1205-74. REV. POST SPACING, LIFTING HOOKS, CONNECTORS & CENTRE STIRRUP.	R.G.Q.	DATE: Dec 2, 1974		
REVISIONS					
NO.	DATE	DESCRIPTION	BY	DATE	
DESIGNED	DRAWN BY	DATE	CHECKED BY	DATE	STREAM
R.G.Q.	M.M.F.	NOV. 74			LOCATION
					HWY. NO.
					SCALE
					FILE NO.
					SHEET
					DRAWING NO.
					S-1205-74A