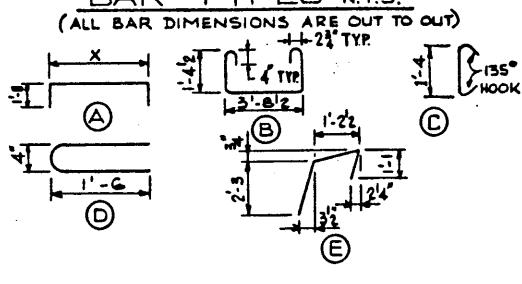


BAR LIST: FOR UNSKEWED GIRDER							
MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 401	4	30	A	3'-8 1/2"		5'-9"	115
S 406	4	5	STR.			24'-8"	82
S 403	4	33	B			7'-4"	162
S 404	4	64	C			2'-1"	89
S 407	4	2	STR.			24'-4"	33
E 401	4	6	D			3'-4"	13
E 402	4	2	A	3'-4"		5'-4"	7
C 402	4	3	STR.			24'-8"	49
C 501	5	31	E			4'-7"	148

TOTAL LBS: 693



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-20-44 ONE WHEEL LINE PER GIRDER
 - DEAD LOAD - GIRDER = 0.663 KPS/FT. WEARING SURFACE = 0.063 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.
 - PRESSURING 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 PRESSURING STEEL: INITIAL TENSIONING LOAD = 28.75 K/STRAND DESIGN LOAD AFTER LOSSES = 22.92 K/STRAND
 - CURB TO BE CAST MONOLITHICALLY WITH GIRDER.
 - ANCHOR BOLT ASSEMBLIES SHALL BE CAST IN GIRDER AT SPACINGS AS SHOWN.
 - BEND OR SHEET REINFORCING WHERE REQUIRED TO CLEAR GIRDER CONNECTORS, LIFTING HOOK, & ANCHOR BOLT ASSEMBLIES. STIRRUP SPACING TO BE MAINTAINED.
- ERECTION:
- ANY FREE SPACE BETWEEN CONNECTORS SHALL BE FILLED WITH WASHERS.
 - CALCULATED WEIGHT OF ONE GIRDER IS 17,140 LBS.

REVISIONS				APPROVED		Albera HIGHWAYS AND TRANSPORT BRIDGE BRANCH	
NO.	DATE	DESCRIPTION	BY	DATE	SCALE	FILE NO.	SHEET
1	27 AUG. 76	OPEN ENDED VOID	R.W.K.				
2	22 JAN. 76	BAR S404 REPRESENTATION CORRECTED AND NO. OF C501 BAR CORRECTED	R.G.Q.				
3	29 NOV. 74	REDRAWN FROM 5-1201-74 REV. POST SPACING, LIFT HOOKS, CONNECTORS, CENTRE STIRRUP	R.G.Q.				

DESIGNED	DRAWN BY	DATE	CHECKED BY	DATE	STREAM	LOCATION	HWY. NO.	SCALE	FILE NO.	SHEET	DWG. NO.
R.G.Q.	W.J.S.	NOV. 23, 1974						SHOWN			S1204-74A