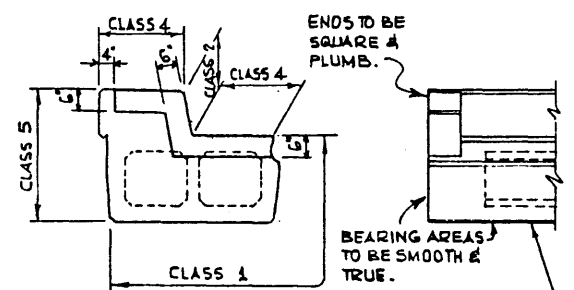


### BAR LIST: FOR UNSKEWED GIRDER

MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S 301	3	78	A			1'-5"	4.2
S 401	4	73	B			6'-2"	30.1
S 402	4	73	STR.			3'-4"	16.3
S 403	4	41	C			7'-3"	19.9
S 404	4	37	D			2'-6"	6.2
S 405	4	14	STR.			25'-4"	23.7
E 401	4	4	F			3'-4"	9
E 402	4	4	G			5'-4"	14
E 502	5	2	E	1'-8"		5'-4"	11
E 501	5	2	E	2'-8"		7'-3"	15
C 401	4	6	STR.			25'-4"	10.2
C 501	5	62	H			5'-4"	34.5

TOTAL LBS: 1,533  
 ASSUMED 5 POSTS

- ### 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  
 0.70 WHEEL LINE PER GIRDER  
 DEAD LOAD - GIRDER = 0.88 KIPS/FT.  
 WEARING SURFACE = 0.10 KIPS/FT.
- MATERIALS:
- CONCRETE IN GIRDER SHALL BE MADE OF LIGHTWEIGHT COARSE AGGREGATE AND SAND FINES.
  - CONCRETE IN CURB SHALL BE MADE OF STANDARD WEIGHT AGGREGATES.
  - CONCRETE 28 DAY STRENGTH 5000 PSI.
  - RELEASE STRENGTH 4000 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 = 26.73 K/STRAND  
 DESIGN LOAD AFTER LOSSES = 22.62 K/STRAND
  - CURB TO BE CAST MONOLITHICALLY WITH GIRDER.
  - ANCHOR BOLT ASSEMBLIES SHALL BE CAST IN GIRDER AT SPACINGS AS REQUIRED.
- ERECTION:
- 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 59,700 LBS.



APPROVED		Alberta HIGHWAYS AND TRANSPORT BRIDGE BRANCH	
16 DEC. 1975 REF. ING. 5-986-74 TO 75, C501		50 FT. TYPE RD-24 CURB GIRDER SEMI-LIGHTWT. CONCRETE	
SPACING CLARIFIED		D.K.D.	
JUNE 12/74 STRAND DIMENSION CHANGE		D.K.D.	
NO.	DATE	DESCRIPTION	BY
REVISIONS			
DESIGNED	DRAWN BY	DATE	CHECKED BY
R.G.Q.	V.G.B.	MAR./74	
D.K.D.	P.SZ.		
DATE		STREAM	LOCATION
JAN 8 1976			
SCALE	FILE NO.	SHEET	DWG. NO.
SHOWN		OF	51220