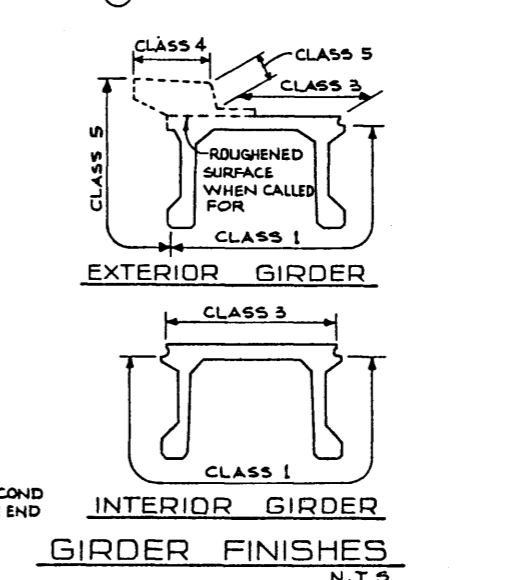
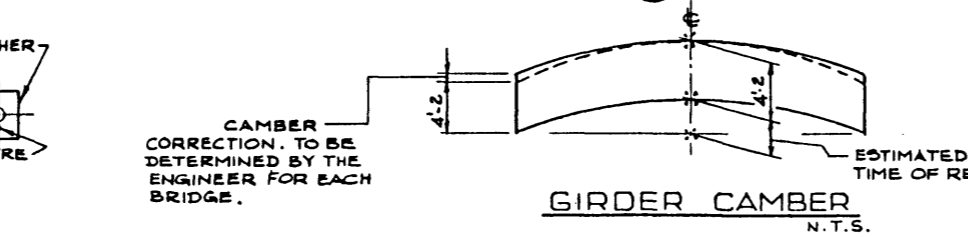
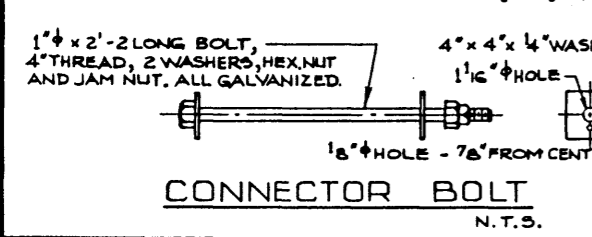


BAR LIST: FOR UNSKEWED GIRDER							
MARK	SIZE	NO.	TYPE	X	Y	LENGTH	WEIGHT
S301	3	332	C			1'-6	187
S401	4	21	STR.			35'-2	493
S402	4	125	B			6'-5	536
S501	5	252	STR.			4'-9	1,248
T401	4	330	A			5'-9	1,268
T402	4	12	E			3'-0	24
T403	4	8	STR.			2'-0	11
T601	6	4	D	4'-6		6'-6	39
D601	6	8	D	4'-2		6'-2	74
D602	6	4	STR.			4'-2	25
D603	6	8	F			1'-8	20
D604	6	8	STR.			2'-0	24
TOTAL LBS.							3,949



GENERAL NOTES

DESIGN:

- A.A.S.H.T.O. 1973 SPECIFICATION PLUS 1974 AND 1975 INTERIMS EXCEPT AS MODIFIED BELOW.
- ALLOWABLE FINAL TENSION AT CENTRELINE 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.T.O. MINIMUM.

LOADING:

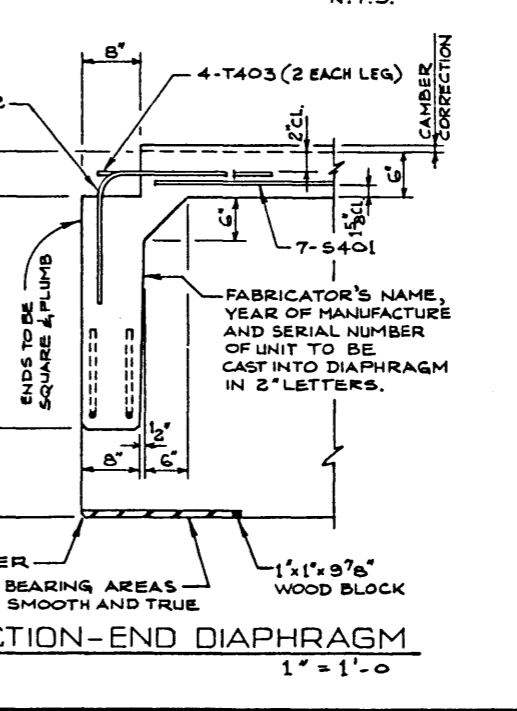
- LIVE LOAD - A.A.S.H.T.O. HS-20-44
- DEAD LOAD - GIRDER = 0.90 WHEEL LINE PER GIRDER
- WEARING SURFACE = 0.910 KP/FT.
- WEARING SURFACE = 0.166 KP/FT.

MATERIALS:

- CONCRETE IN GIRDER SHALL BE MADE OF LIGHTWEIGHT COARSE AGGREGATE AND NATURAL SAND FINES.
- CONCRETE 28 DAY STRENGTH 5,000 P.S.I.
- RELEASE STRENGTH 4,000 P.S.I.
- UNIT WEIGHT OF SEMI-LIGHTWEIGHT CONCRETE 120 LB/CU. FT. PLUS OR MINUS 5% IN PLASTIC STATE.
- AIR ENTRAINMENT SHALL NOT BE LESS THAN 6%.
- PRESSURING STEEL SHALL BE 1/2" DIAMETER - 7 WIRE 270 K STRESS-RELIEVED STRAND.
- STABILIZED STRAND (1/2" DIAMETER - 7 WIRE 270 K) MAY BE SUBSTITUTED PROVIDED THE INITIAL TENSION IN STRAND DOES NOT EXCEED THAT SPECIFIED FOR STRESS-RELIEVED STRAND AND PRESTRESS LOSSES ARE CALCULATED USING RECOMMENDATIONS FOR ESTIMATING PRESTRESS LOSSES BY THE P.C.I. COMMITTEE ON PRESTRESS LOSSES, FEBRUARY 1975. SUBSTITUTION OF STABILIZED STRAND SUBJECT TO THE APPROVAL OF THE ENGINEER.

CONNECTOR BOLT N.T.S.

GIRDER CAMBER N.T.S.



NO.	DATE	DESCRIPTION	BY	DATE
REVISIONS				
DESIGNED	DRAWN BY	DATE	CHECKED BY	DATE
A. W.	V. G. B.	OCT. 76	[Signature]	DEC 76

APPROVED

CHIEF BRIDGE ENGINEER

Alberta TRANSPORTATION BRIDGE BRANCH

PRESTRESSED CONCRETE
105'-0 TYPE LF-50' GIRDER

DESIGNED	DRAWN BY	DATE	CHECKED BY	DATE	STATION	LOCATION	HWY. NO.	SCALE	FILE NO.	SHEET	DWG. NO.
A. W.	V. G. B.	OCT. 76	[Signature]	DEC 76				SHOWN		5-1275	