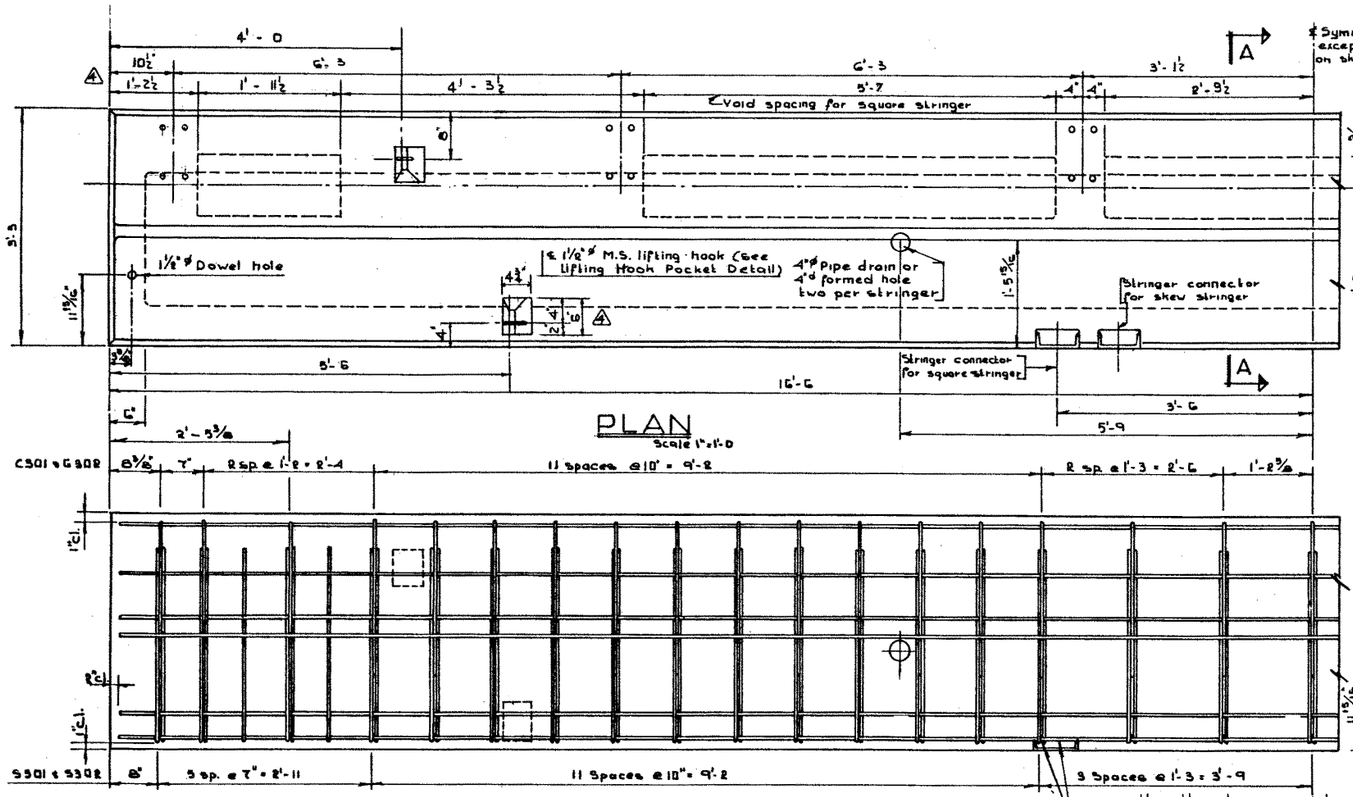
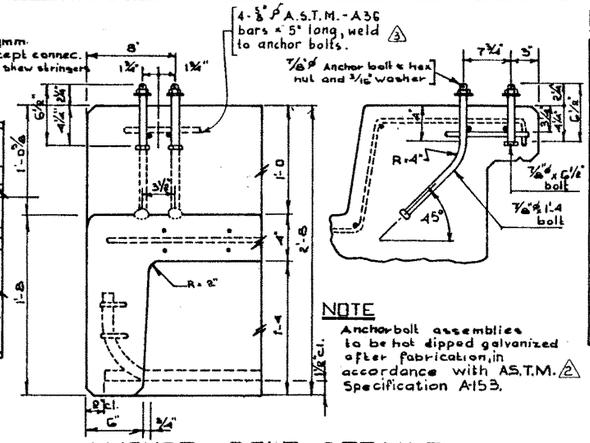




BAR LIST

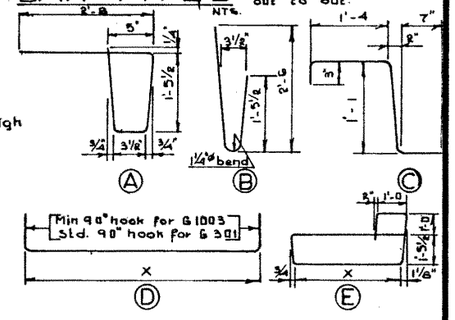
Mark	Size	No	Type	X	Length	Weight
C 301	3	35	C		3'-3	43
D 301	3	6	Str		32'-8	74
D 401	4	1	Str		32'-8	22
G 301	3	4	D	2'-7	3'-6	5
G 302	3	35	Str		2'-8	35
G 701	7	1	Str		22'-6	46
G 901	9	1	Str		29'-6	100
G 1001	10	1	Str		30'-0	129
G 1002	10	1	Str		32'-8	141
G 1003	10	2	D	32'-8	34'-1	293
S 301	3	39	A		6'-0	88
S 302	3	39	B		4'-1	60
S 303	3	2	E	Skew ends only		

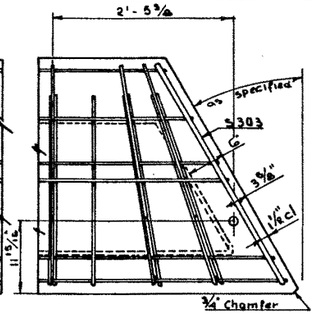
Total Weight (lbs) 1036
All dimensions are out to out.

NOTE
Anchor bolt assemblies to be hot dipped galvanized after fabrication, in accordance with A.S.T.M. (2) Specification A153.

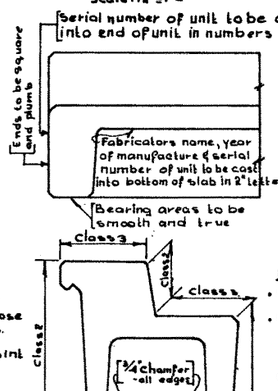
ANCHOR BOLT DETAILS
Scale 1⅛"=1'-0

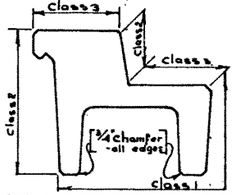
BAR TYPES
NTS.





All other details to conform to those shown for square ended stringers. On skew stringers the lifting hooks are to be placed 11'-0 from midpoint of the unit (12'-6 on top of curb)





STRINGER FINISHES
Scale ¾"=1'-0

GENERAL NOTES

DESIGN- Live Load A.A.S.H.O. HS 20-44 modified as shown

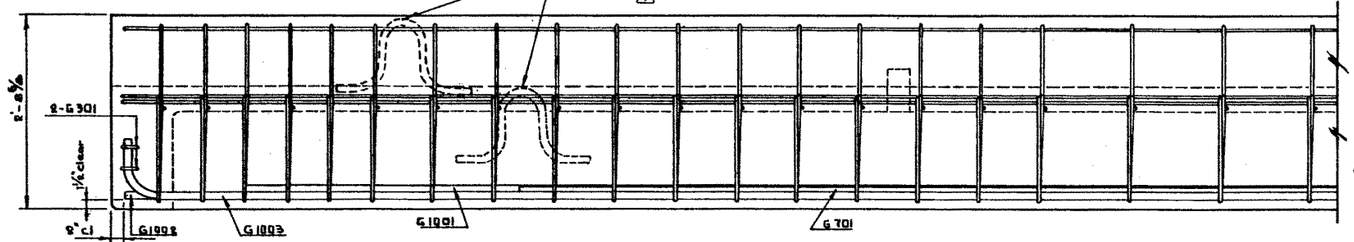
- Dead Load - Includes allowance for 2" wearing surface.
- Concrete - to be standard weight aggregates with maximum aggregate size of 3/4 inch. Minimum 28 day compressive strength to be 4000 p.s.i.

CONSTRUCTION

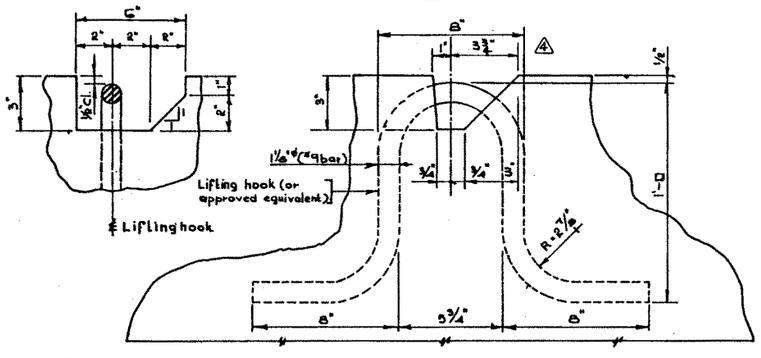
- Entrained Air shall be not less than 5%.
- Diameters of all bends shall conform to the recommended minimums and all hooks, unless otherwise noted shall conform to the recommended sizes detailed in the A.C.I. Manual of Standard Practice for Detailing Reinforced Concrete Structures.
- Each stringer shall have a cast camber of 3/4 inch.
- All acute angles on skewed stringers shall have 3/4 inch chamfer.
- Concrete shall attain at least 30% of the specified 28 day compressive strength before the units are stripped from the forms or lifted.
- Each connector is to be allowed one 3/4" diameter x 2" H.T. bolt, one heavy hex semi finished nut and three hardened washers (Supplied by Dept.).
- Stringers shall conform to the requirements of the Alberta Government Specification for the Manufacture of Precast Concrete Bridge Units.

ERECTION

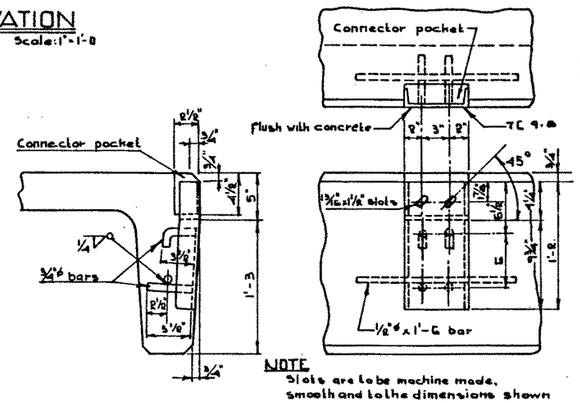
- Any free space between the connectors to be filled with washers.



REINFORCEMENT ELEVATION
Scale: 1"=1'-0



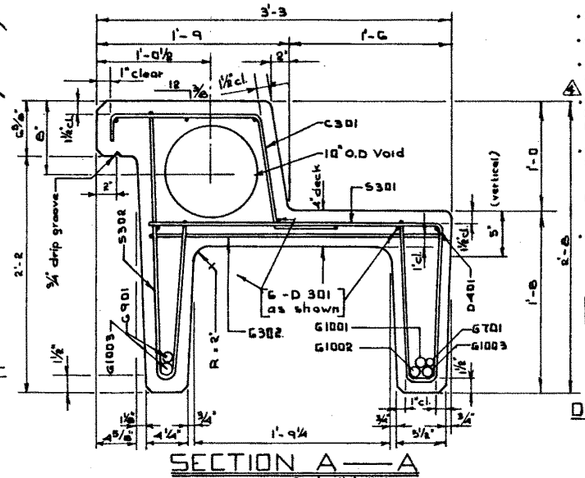
LIFTING HOOK POCKET DETAILS
Scale: 3"=1'-0



NOTE
Slots are to be machine made, smooth and to the dimensions shown

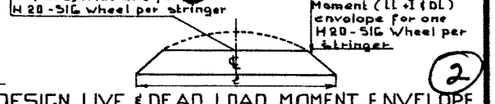
STRINGER CONNECTORS
Scale: 1½"=1'-0

SKEW STRINGER
Scale 1"=1'-0



SECTION A—A
Scale: 1½"=1'-0

Note
Tie steel bundle together before placing
No welding will be permitted on main tensile reinforcement



DESIGN LIVE & DEAD LOAD MOMENT ENVELOPE
NTS (2)

SUPERSEDED

NO.	DATE	DESCRIPTION	BY
4	Dec. 10/68	Location of lifting hooks & notes added	R.W.E.
3	Oct. 26/67	Anchor bolt assembly.	B.W.S.
2	Feb. 17/67	A.S.T.M. Spec. added.	D.A.
1	Aug 2/66	Redrawn	TS

REVISIONS

DESIGNED BY R.E. Boller DATE May 1962
DETAILED BY A.W. Lyne DATE May 1962
CHECKED BY D.K. Guppo DATE June 1962

PRECAST CONCRETE 33 FT. SPAN TYPE "HC" CURB STRINGER

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS
BRIDGE BRANCH, EDMONTON

FILE NO. ____ HWY. NO. ____ DWG. NO. S-785
LOCATION ____ SCALE as shown
STREAM ____ SHEET ____ OF ____

A.T.I.U. - RECORDS CENTRE