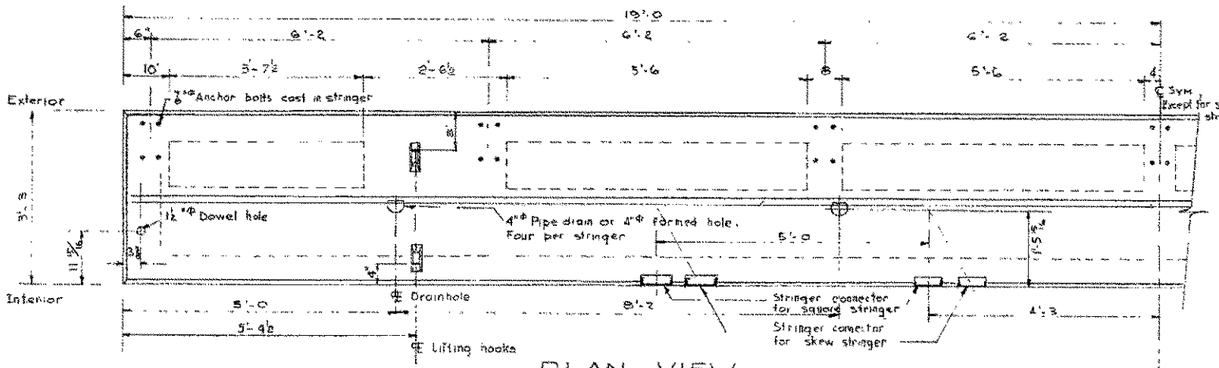
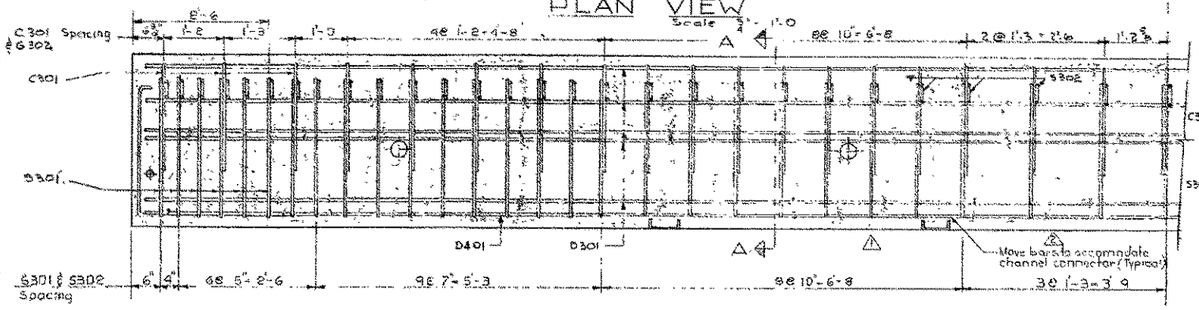
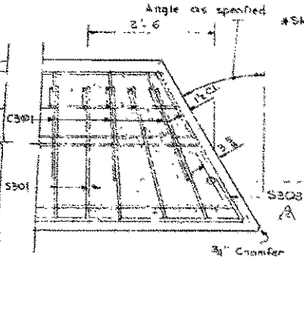


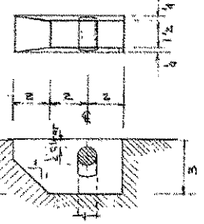
PLAN VIEW
Scale ¼" = 1'-0



REINFORCEMENT PLAN
Scale ¾" = 1'-0



SKEW STRINGER
Scale ¾" = 1'-0



LIFTING HOOK POCKET
Scale 3"=1'-0

All lifts to be vertical.

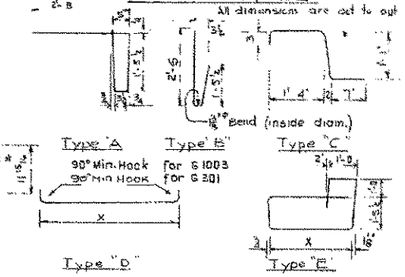
All other details to conform to those shown for square stringers On skewed stringers lifting hooks are to be placed 13'-4 from midpoint of the unit.

BAR LIST

MARK	SIZE	NUMBER	TYPE	X	LENGTH	WEIGHT
S 301	3	55	A		6'-0	124
S 302		55	B		4'-1	84
G 301		4	B	2'-7	3'-6	5
G 302		37	Str		2'-8	37
C 301		37	C		3'-3	45
D 301	3	6	Str		37'-8	85
D 401	4	1	Str		37'-8	85
G 701	7	1	Str		28'-6	54
G 1001	10	1	Str		31'-0	133
G 1002	10	1	Str		35'-0	151
G 1003	10	2	D	37'-8	38'-1	336
G 1004	10	1	Str		33'-0	142
G 1101	11	1	D	37'-8	39'-2	206
S 303	3	5	E			

* Skewed str only — 1429 lbs

BAR TYPES
All dimensions are out to out



GENERAL NOTES

DESIGN

A.A.S.H.O. 1961 Specification except, live load is shown above.
Dead load includes 2" wearing surface.

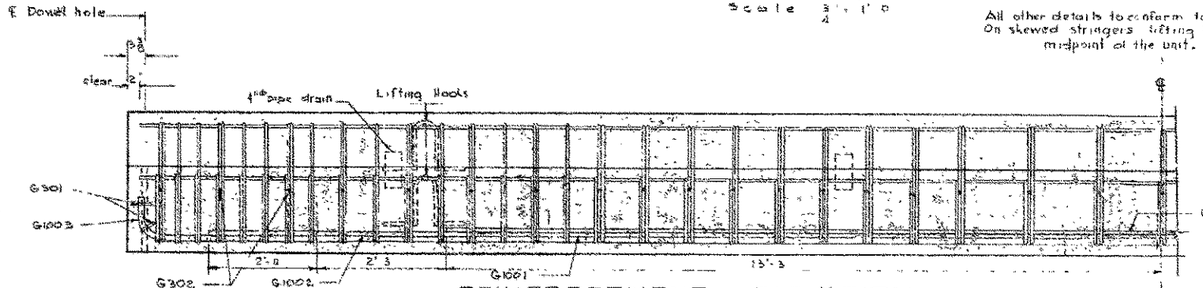
MATERIALS

All concrete materials shall conform to A.S.T.M. specifications
Concrete shall be of standard weight aggregate with maximum size ¾".
Minimum compressive strength shall be 4500 p.s.i. at 28 days.
Entrained air shall fall between the limits of 5% ± 1%
Reinforcing steel shall be of intermediate grade conforming to the U.S.A. specification G30.1-1954 and deformed to conform to G30.6-1954.
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.

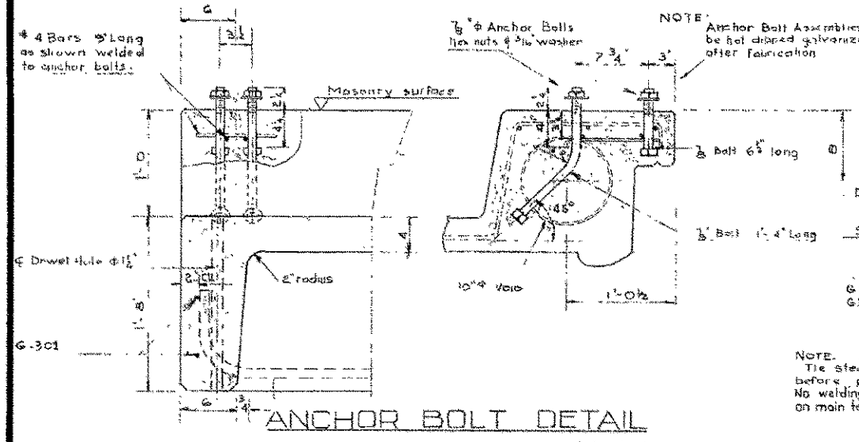
FABRICATION

Concrete must reach 30% of the required 28 day compressive strength before stripping and lifting.
Each girder shall have a cast camber of ½".
All acute corners on skewed girders to have ¾" chamfer.
Each connector is to be supplied with 1-¾" heavy hex structural bolt 2" long, 3 hardened flat washers and 1 heavy hex semi finished nut, all conforming to ASTM A 325.
Connectors and bolts are to be provided by the stringer fabricator.
Bolts are to be placed with one washer under the head and one washer under the nut.
Fill any free space between the connectors with washers.

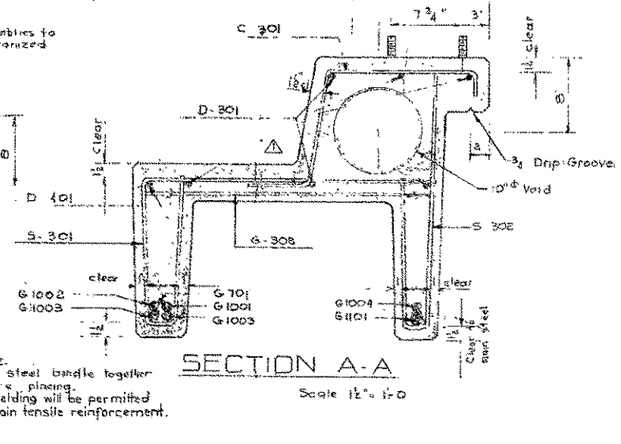
Units are to conform to the requirements of the Bridge Branch Specifications for Precast Concrete Bridge Units dated January 25th, 1963.



REINFORCEMENT ELEVATION
Scale ¾" = 1'-0

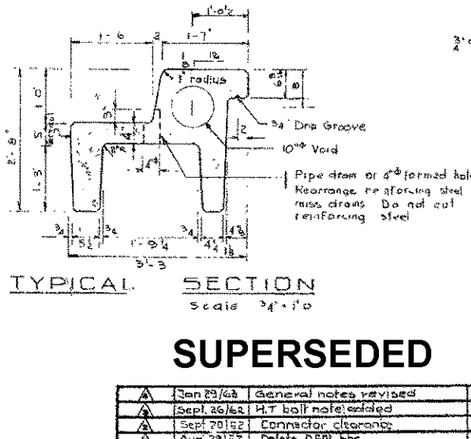


ANCHOR BOLT DETAIL
Scale 1½" = 1'-0

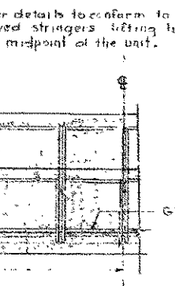


NOTE
Tie steel bundle together before placing.
No welding will be permitted on main tensile reinforcement.

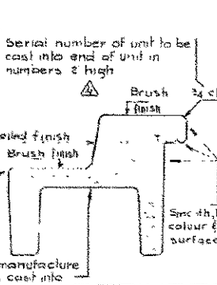
SECTION A-A
Scale 1½" = 1'-0

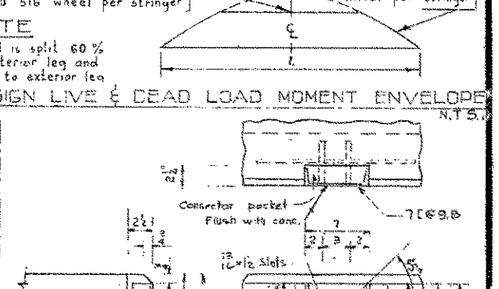


TYPICAL SECTION
Scale ¾" = 1'-0



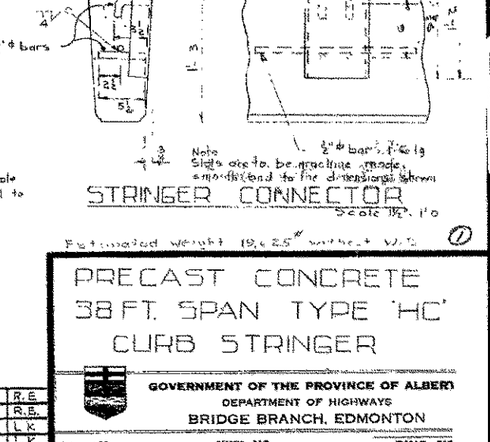
STRINGER FINISHES
Scale ¾" = 1'-0





NOTE
Load is split 60% to interior leg and 40% to exterior leg

DESIGN LIVE & DEAD LOAD MOMENT ENVELOPE
N.T.S.



STRINGER CONNECTOR
Scale 1½" = 1'-0

Estimated weight 19,625# without W.S.

SUPERSEDED

NO.	DATE	DESCRIPTION	BY
4	Jan 29/63	General notes revised	R.E.
3	Sept. 26/62	H.T. bolt note deleted	R.E.
2	Sept 20/62	Connector clearance	L.K.
1	Aug. 23/62	Delete D801 bar	L.K.

REVISIONS

DESIGNED BY R.E.
DETAILED BY R.E.
CHECKED BY D. McConnell
DATE June 19 62
DATE June 19 62
DATE 19

PRECAST CONCRETE
38 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-787
LOCATION ____ SCALE SHOWN
STREAM ____ SHEET ____ OF ____

RECORDS CENTRE