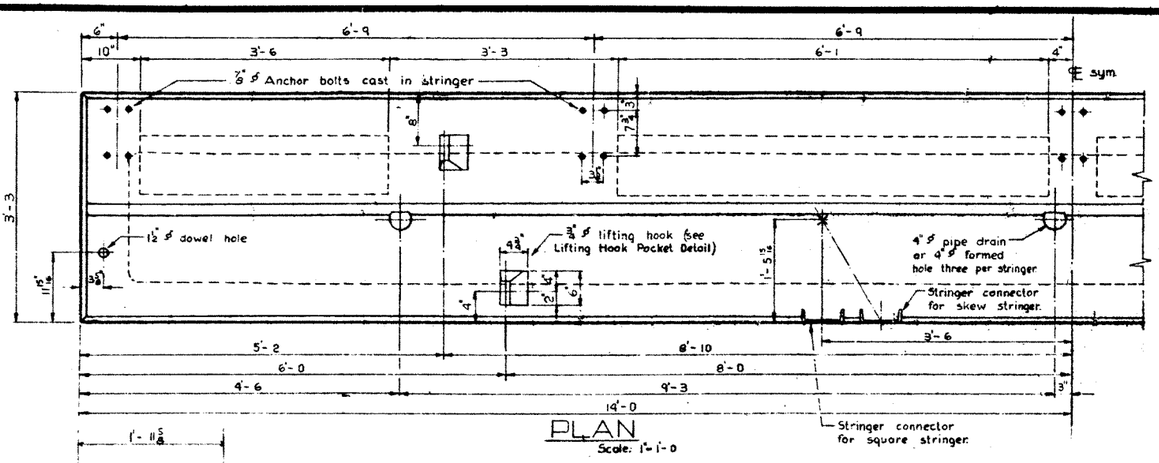
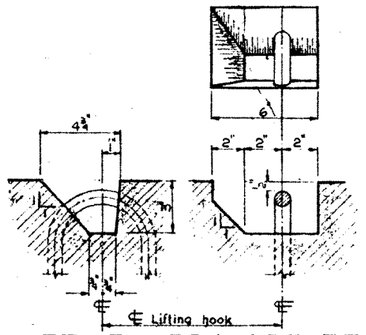
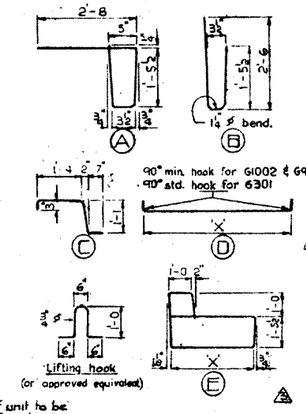




BAR TYPES N.T.S.

All bar dimensions are out to out.

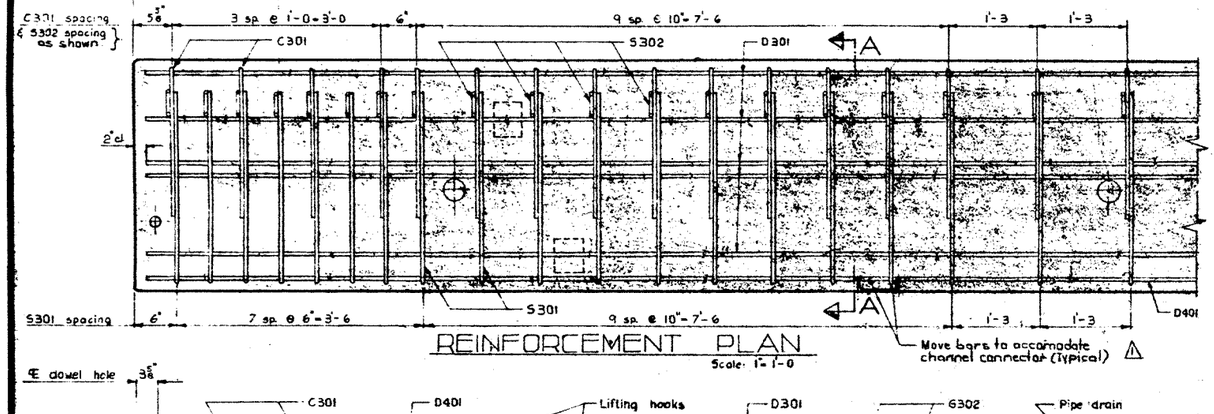


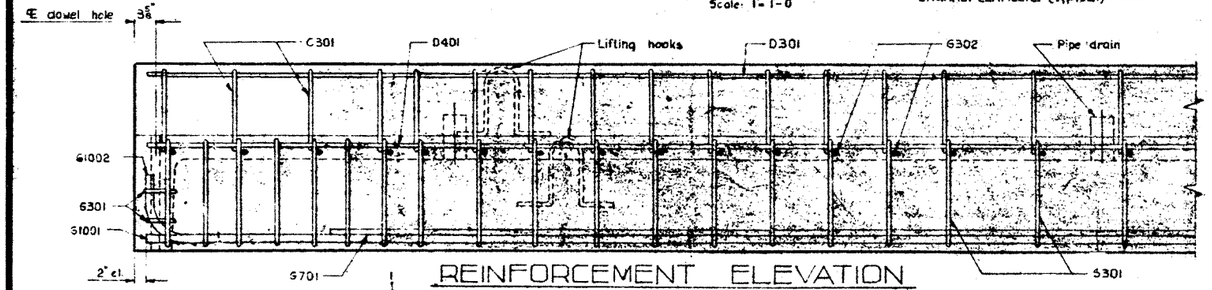
BAR LIST

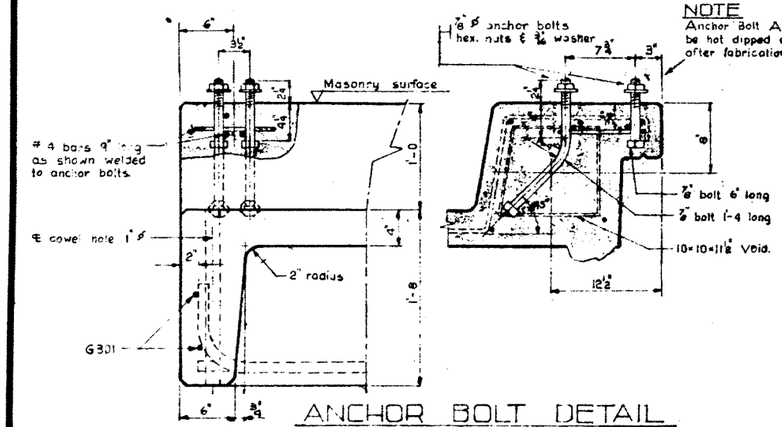
Mark	Size	No.	Type	X	Length	Weight
S301	3	37	A		6'-0	83
S302		37	B		4'-1	57
C301		31	C		3'-3	38
G301		4	D	2'-7	3'-6	5
G302		31	str		2'-8	31
D301	3	6			27'-8	62
D401	4	1			27'-8	18
S1001	10	1	str		27'-8	119
G1002	10	1	D	27'-8	29'-1	125
G901	9	1	D	27'-8	28'-11	98
G801	8	1	Str		25'-0	67
G701	7	1	Str		22'-6	46
S303	3	2	E			

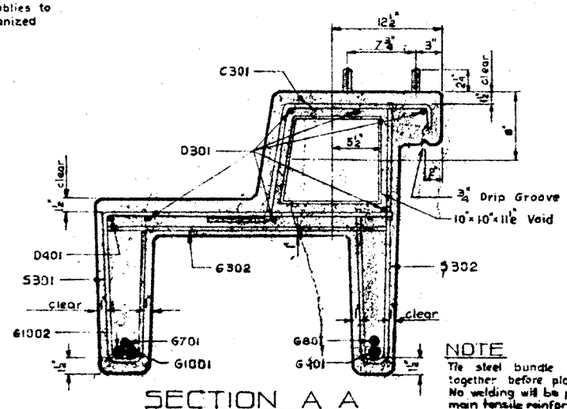
Total 749 lbs.

* For skewed stringer only.

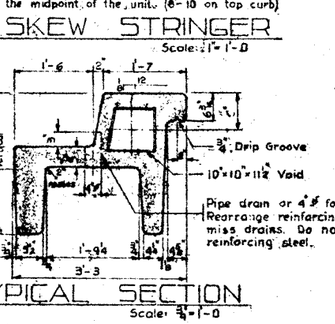


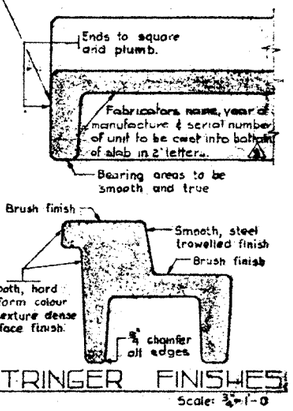


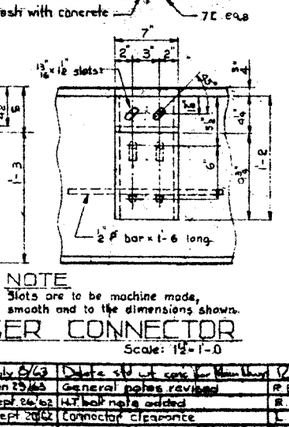




NOTE
Tie steel bundle together before placing. No welding will be permitted on main tensile reinforcement.

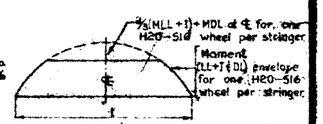






NOTE
Slots are to be machine made, smooth and to the dimensions shown.

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



GENERAL NOTES

DESIGN

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

MATERIALS

All concrete materials shall conform to A.S.T.M. specifications
Concrete shall be of light weight aggregate with maximum size ¾".
Minimum compressive strength shall be 4000 p.s.i. at 28 days.
Entrained air shall fall between the limits of 5% & 8%.
Reinforcing steel shall be of intermediate grade conforming to the C.S.A. specification G30.1-1954 and deformed to conform to G30.6-1954b
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 ¾".
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.

SUPERSEDED

DESIGNED BY Robert E. Boller
DETAILED BY Richard Chwist
CHECKED BY
DATE August 19 62
DATE August 19 62
DATE 19
DATE 19

NO.	DATE	DESCRIPTION	BY
		REVISIONS	
A	July 8/63	Deck + 30 of conn. [illegible]	R.E.B.
A	Jan 29/63	General notes revised	R.E.
A	Sept 26/62	H.T. bolt note added	R.E.
A	Sept 20/62	Connector clearance	L.K.

PRECAST CONCRETE 28FT. SPAN TYPE "HC" CURB STRINGER

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

FILE NO. _____ HWY. NO. _____ DRG. NO. S-792
LOCATION _____ SCALE As shown
STREAM _____ SHEET _____ OF _____