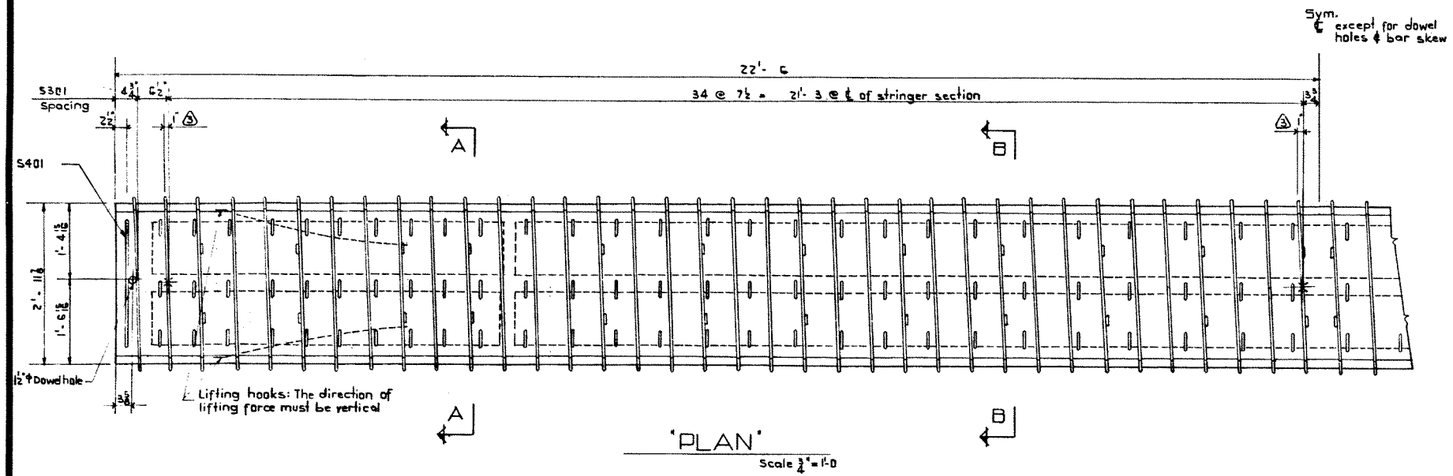
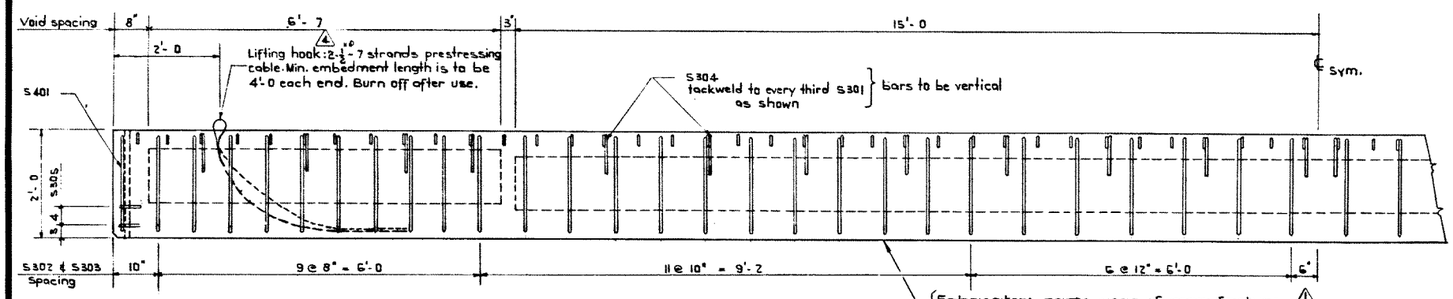
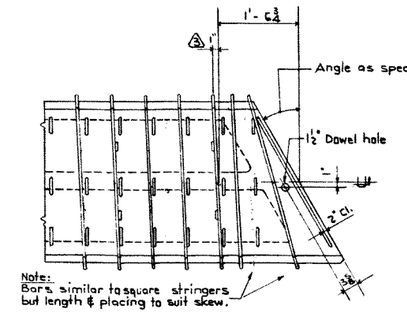


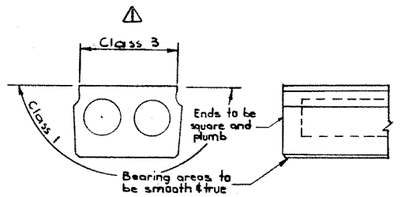
"PLAN"
Scale ¾" = 1'-0



"ELEVATION"
Scale ¾" = 1'-0



SKEWED END STEEL
N.T.S.



STRINGER FINISHES

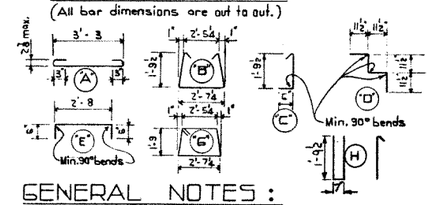
BAR LIST

MARK	SIZE	NO	TYPE	LENGTH	WEIGHT
S 301	3	72	"A"	4'- 0	108 #
S 302	3	54	"B"	6'- 10	139 #
S 303	3	54	"C"	2'- 7	52 #
S 304	3	24	"D"	3'- 10	35 #
S 305	3	4	"E"	3'- 8	6 #
S 401	4	2	"G"	9'- 4	12 #
E401	4	4	H	5'- 2	14

Total: 366#

BAR TYPES : N.T.S.

(All bar dimensions are out to out.)



GENERAL NOTES :

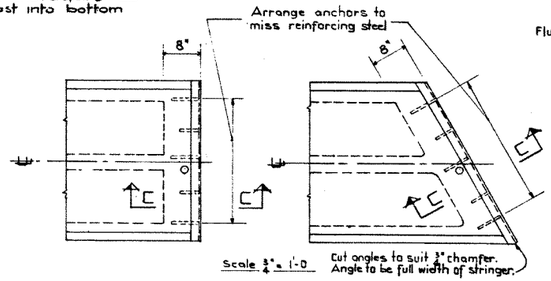
DESIGN
A.A.S.H.O. 1961 Specifications except allowable initial concrete stress = 285 p.s.i. in tension.

Loading: 3/5 of one wheel line of an H20-S16-44 truck plus full dead load plus 2" wearing surface.

MATERIALS
Concrete shall be of standard weight aggregate with a maximum size of ¾". Minimum compressive strength shall be 5000 p.s.i. at 28 days. Air entrainment to be not less than 5%.

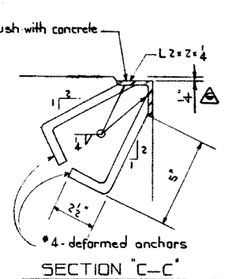
FABRICATION
Reinforcement: Diameters of all bends shall conform to the recommended sizes and all hooks, unless otherwise noted shall conform to the recommended sizes detailed in the A.C.I. Manual of Standard Practice for Detailing Reinforced Concrete Structures.
Prestressing steel: Initial tensioning load = 25.2 k/Cable
Design load = 20.16 k/Cable
Concrete must attain 4,500 p.s.i. compressive strength before the prestressing force is transferred.
Anchor bolt assemblies are to be cast in stringer at spacings as req'd.
Units are to conform to the requirements of the Bridge Branch Specifications for Prestressed Concrete Bridge Units.

ERECTION
Lifting force at each nook must be vertical at all times.
Stringer surface must be level at all times.

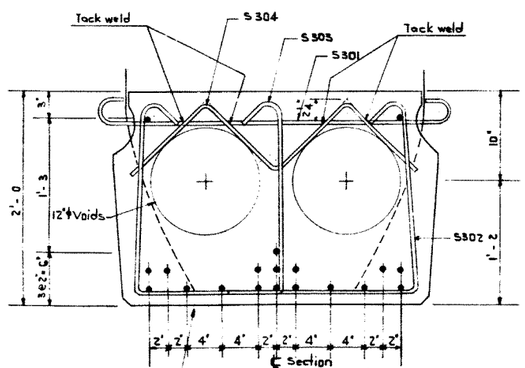


Scale ¾" = 1'-0

PROTECTION ANGLE
Provide when called for.

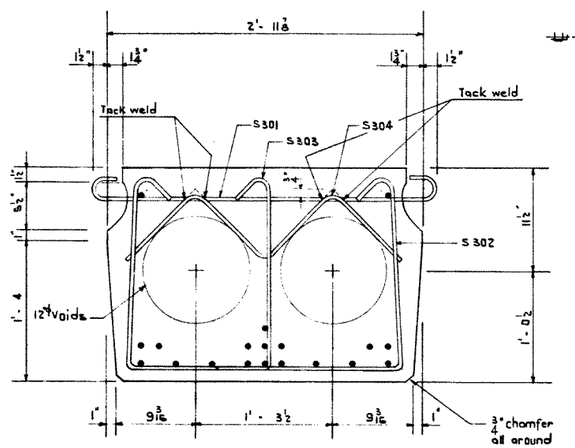


SECTION "C–C"
Scale 3" = 1'-0

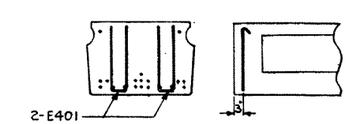


SECTION "A–A"
Scale 1½" = 1'-0

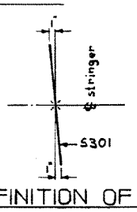
Note: Voids to be tied to S304 bars with wire ties.



SECTION "B–B"
Scale 1½" = 1'-0



ADDITIONAL END BARS



DEFINITION OF SKEW
N.T.S.

SUPERSEDED
BY S-798-69

NO.	DATE	DESCRIPTION	BY
		REVISIONS	
6	Jan. 19\66	Buffer angle lowered	L. K.
5	Aug 27/65	General notes	V.G.B.
4	Nov 26\64	Lifting hook	R.E.E.
3	Oct. 17\63	Revision to skewed S301 bars	R.Ch.
2	Oct 15\63	End bars added	R.Ch.
1	Sept 18\63	Notes & Fillets revised	B.S.P.

DESIGNED BY D.H. QUAPP DATE July 19 62
DETAILED BY L. Kohlmann DATE 19
CHECKED BY DATE 19

PRESTRESSED CONCRETE
45' FT. SPAN
TYPE M STRINGER

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

FILE NO. | HWY. NO. | DWG. NO. S-798
LOCATION | SCALE as shown
STREAM | SHEET OF