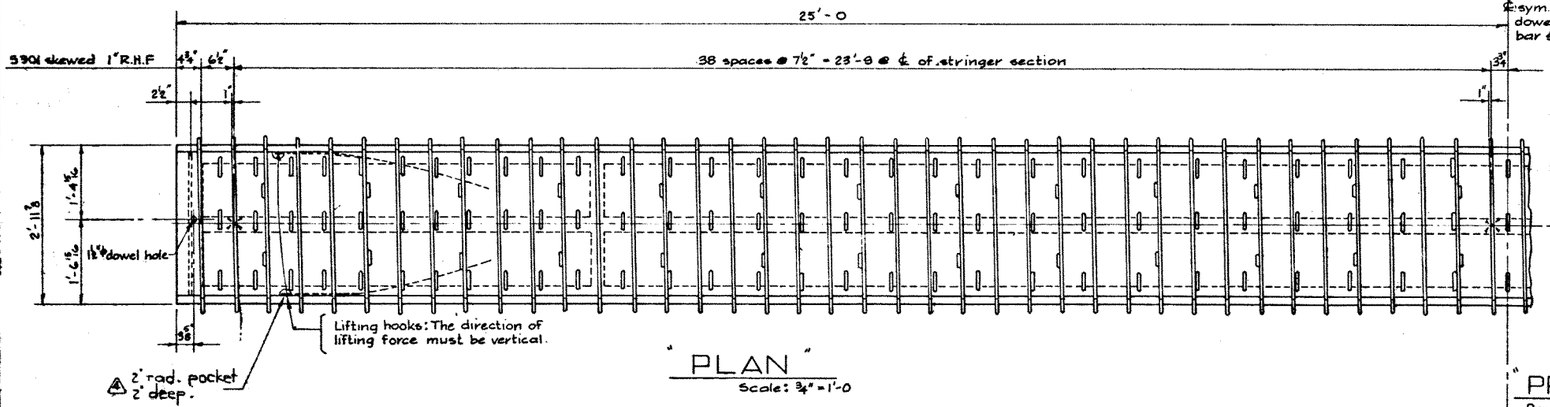
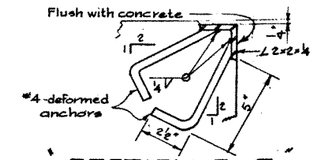


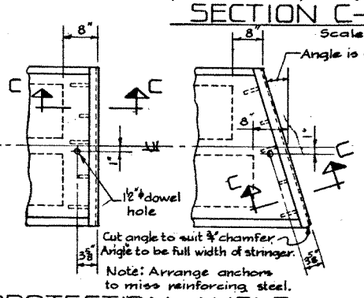
PLAN

Scale: ¾" = 1'-0



SECTION C–C

Scale: 3" = 1'-0



PROTECTION ANGLE

Provide when called for Scale: ¾" = 1'-0

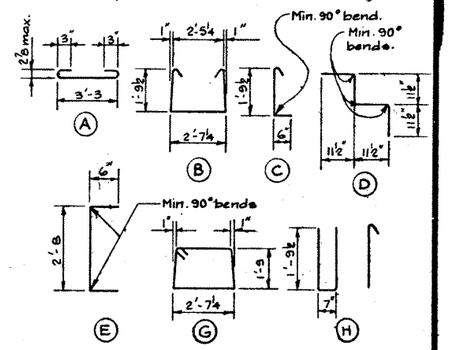
BAR LIST

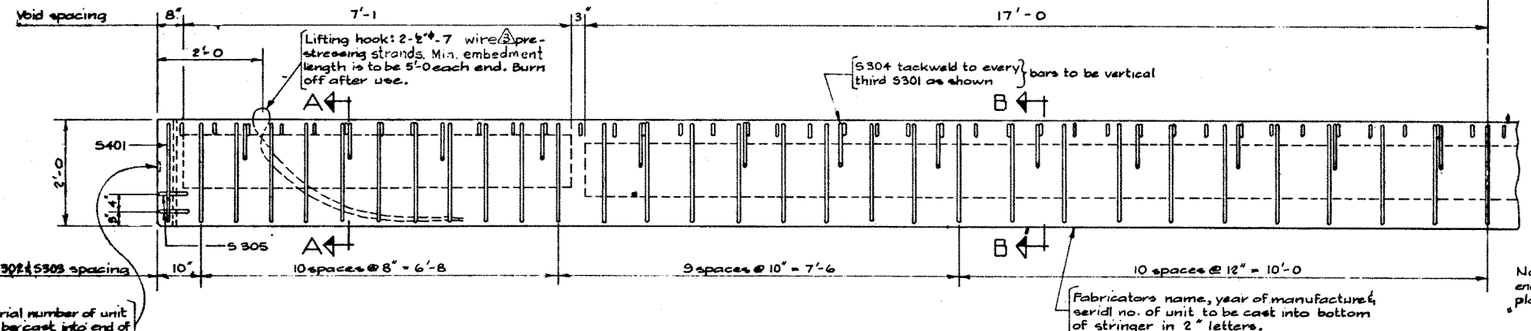
Mark	Size	No.	Type	Length	Weight
S301	3	80	A	4'-0	120
S302	3	59	B	6'-10	152
S303	3	59	C	2'-7	57
S304	3	26	D	3'-10	37
S305	3	4	E	3'-8	6
S401	4	2	G	9'-4	12
E501	5	4	H	5'-2	22

Total ; 406 lbs

BAR TYPES N.T.S.

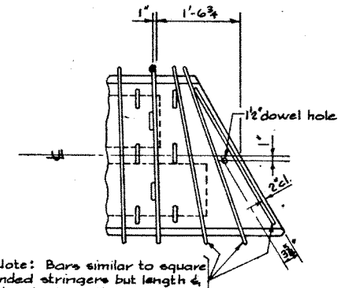
(All bar dimensions are out to out.)





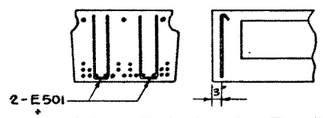
ELEVATION

Scale: ¾" = 1'-0



SKEWED END STEEL

N.T.S.



ADDITIONAL END BARS

Scale: ½" = 1'-0

GENERAL NOTES

DESIGN

Accordance with 1961 Specifications except allowable initial concrete stress = 285 p.s.i. in tension.

Loading: 3/5 of one shelf 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 1". Minimum compressive strength shall be 5000 p.s.i. at 28 days. Air entrainment to be not less than 5%.

FABRICATION

Reinforcement: Diameter 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.S.I. Manual of Standard Practice for Detailing Reinforced Concrete Structures.

Prestressing Steel: Initial tensioning load = 25.2 k/Cable

⚠ Design Load = 20.16k/Cable

Concrete must attain 4,000 p.s.i. compressive strength before the prestressing force is transferred.

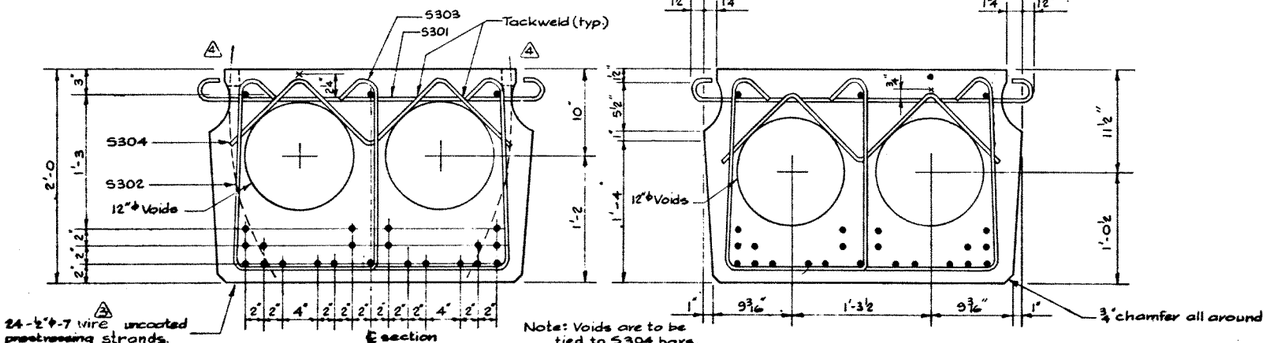
Anchor bolt assemblies are to be cast in stringer at spacings as req'd.

Units are to conform to the requirements of the Bridge Runoff Specifications for Prestressed Concrete Bridge Units.

⚠ The surface of grout keys shall be sandblasted. If end blockouts are called for their surfaces shall be sandblasted.

ERECTION

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

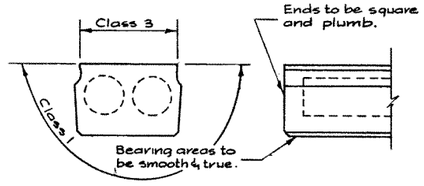


SECTION A–A

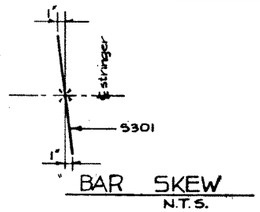
Scale: 1½" = 1'-0

SECTION B–B

Scale: 1½" = 1'-0



STRINGER FINISHES



BAR SKEW

N.T.S.

SUPERSEDED BY S-796-70

APPROVED ENGINEER

NO.	DATE	DESCRIPTION	BY
⚠	Oct. 22/69	Sandblasting	R.W.K.
⚠	Feb. 10/69	Lifting hook	L.K.
⚠	Feb. 22/68	Prestressing strands	R.Ch.
⚠	July 28/67	Release strength Change	D.B.
⚠	Sept 14/66	Redrawn	V.B.

REVISIONS

DESIGNED BY D.H. Quade DATE July 19 66

DETAILED BY R. Elenbaas DATE July 19 66

CHECKED BY DATE 19

PRESTRESSED CONCRETE 50 FT. SPAN TYPE M STRINGER

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

FILE NO. HWY. NO. DWG. NO.
LOCATION SCALE Straight SHEET NO. OF
STREAM C. S-796-69