

BAR LIST

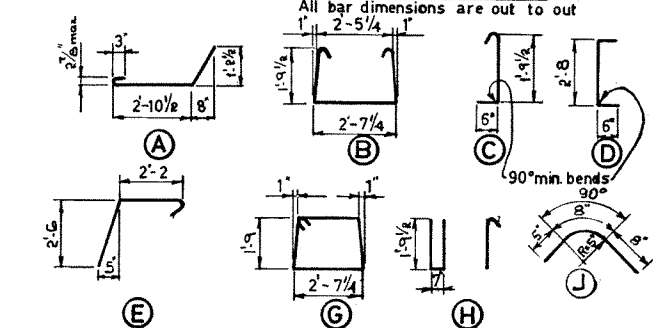
Mark	Size	No	Type	Length	Weight
CS 301	3	88	A	4'-7"	152
S 302	1	65	B	6'-10"	167
S 303	1	65	C	2'-7"	63
S 304	1	64	Str.	1'-4"	32
S 305	1	52	Str.	2'-8"	52
S 306	3	4	D	3'-8"	6
S 501	5	44	E	5'-2"	237
S 401	4	2	G	9'-4"	12
S 402	4	6	Str.	28'-0"	112
E 501	5	4	H	5'-2"	22
S 307	3	22	J	1'-9"	14
Total					855 lbs.
					869 lbs.

ADDITIONAL END BARS

Scale 1/2" = 1'-0"

BAR TYPES

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 H 20 S 16-44 truck plus full dead load plus 2" wearing surface.
- MATERIALS** Concrete shall be of standard weight aggregate with a maximum size of 3/4". 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 4,000 p.s.i. compressive strength before the prestressing force is transferred. Anchor bolt assemblies are to be cast in stringer at spacings as required. Units are to conform to the requirements of the Bridge Branch 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.

SUPERSEDED DRAWING IN USE FROM OCT. 21/70 IS A PHOTOGRAPH OF TRACING.

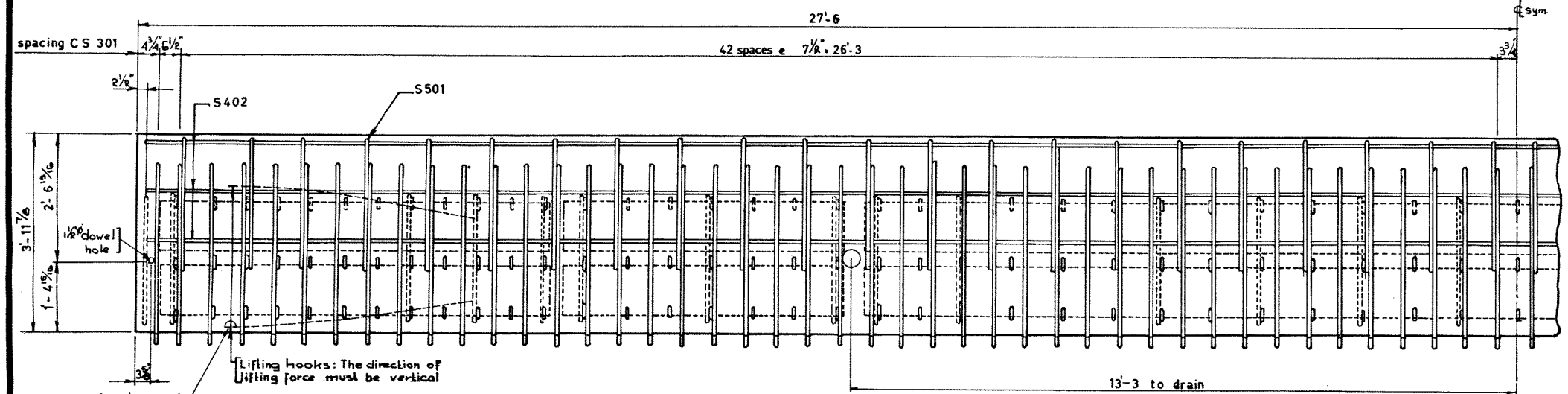
No.	DATE	DESCRIPTION	BY
1	Sep. 9/69	Bars, anchor bolts, notes, etc.	R.W.K.
2	Feb. 10/69	Lifting hook & surface finish	L.K.
3	Feb. 22/69	Prestressing strands	R.Ch.

APPROVED: CHIEF BRIDGE ENGINEER

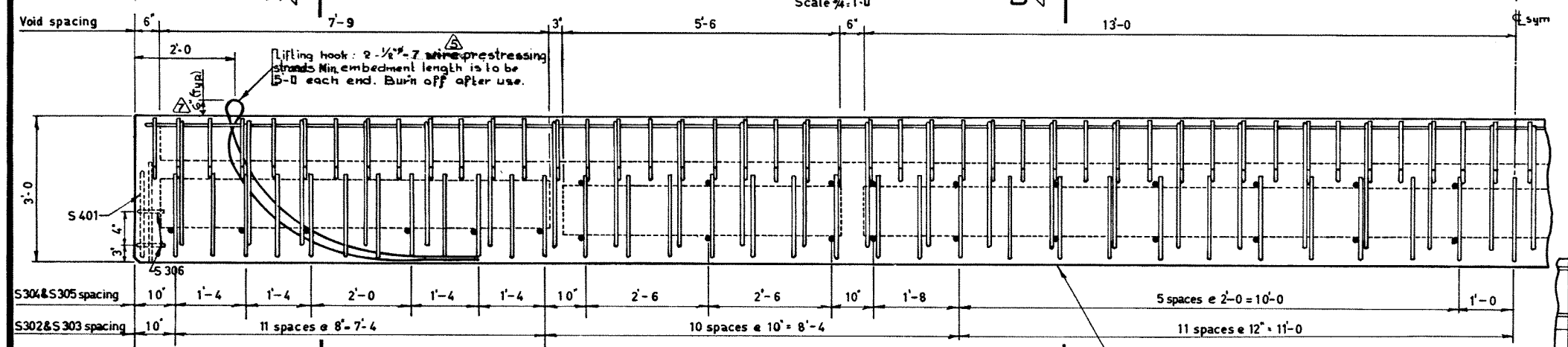
PRESTRESSED CONCRETE 55 FT. SPAN TYPE "M" CURB STRINGER

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

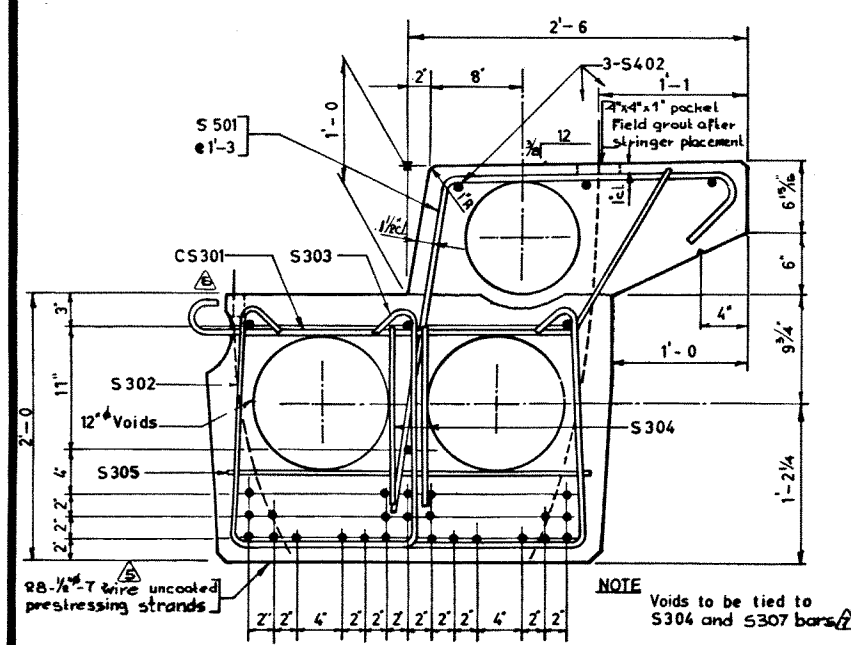
FILE NO. _____ HWY. NO. _____ DRWG. NO. 5-795-69
LOCATION _____ SCALE Shown _____ SHEET _____ OF _____



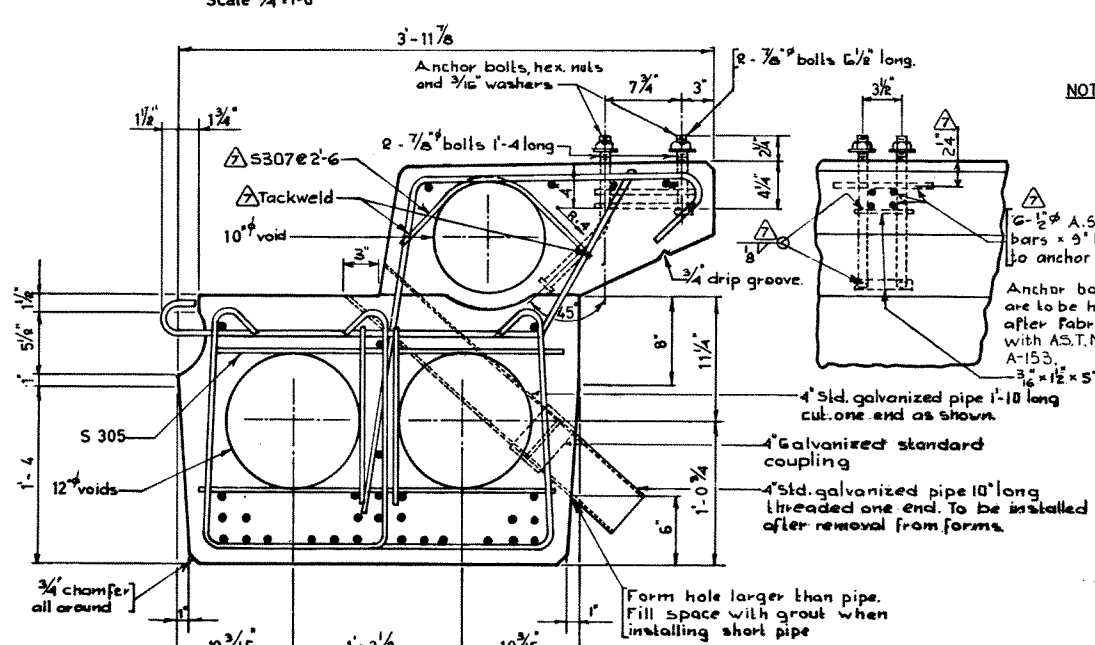
PLAN Scale 1/4" = 1'-0"



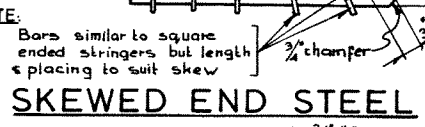
ELEVATION Scale 1/4" = 1'-0"



SECTION A-A scale 1/2" = 1'-0"

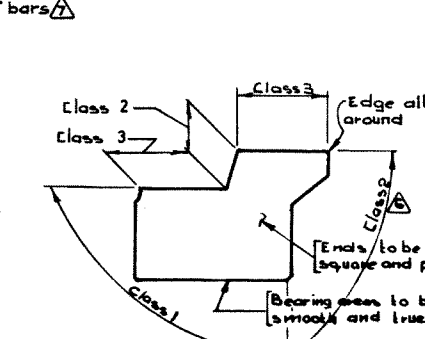


SECTION B-B scale 1/2" = 1'-0"



SKewed END STEEL Scale 3/4" = 1'-0"

NOTE: Bars similar to square ended stringers but length & spacing to suit skew. Anchor bolt assemblies are to be hot dipped galvanized after fabrication in accordance with A.S.T.M. Specification A-153. 3/8" x 1/2" x 5" bars. 4" std. galvanized pipe 1'-10" long cut one end as shown. 4" galvanized standard coupling. 4" std. galvanized pipe 10" long threaded one end. To be installed after removal from forms.



STRINGER FINISHES

No.	DATE	DESCRIPTION	BY
1	Oct. 26/67	Anchor bolt assembly	B.W.S.
2	July 28/67	Release strength changed	D.A.
3	Feb. 2/67	A.S.T.M. Spec. added	D.A.
4	Sept. 7/66	Redrawn	T.S.

DESIGNED BY D.H. QUAPP DATE July 1962
DETAILED BY R. EMBERTS DATE July 1962
CHECKED BY _____ DATE _____

NOTE: Each group of S 304 & S 305 bars may be replaced by an alternate S 304 bar tackwelded to the stirrups and shaped thus:



NOTE: Voids to be tied to S 304 and S 307 bars.

NOTE: Form hole larger than pipe. Fill space with grout when installing short pipe.