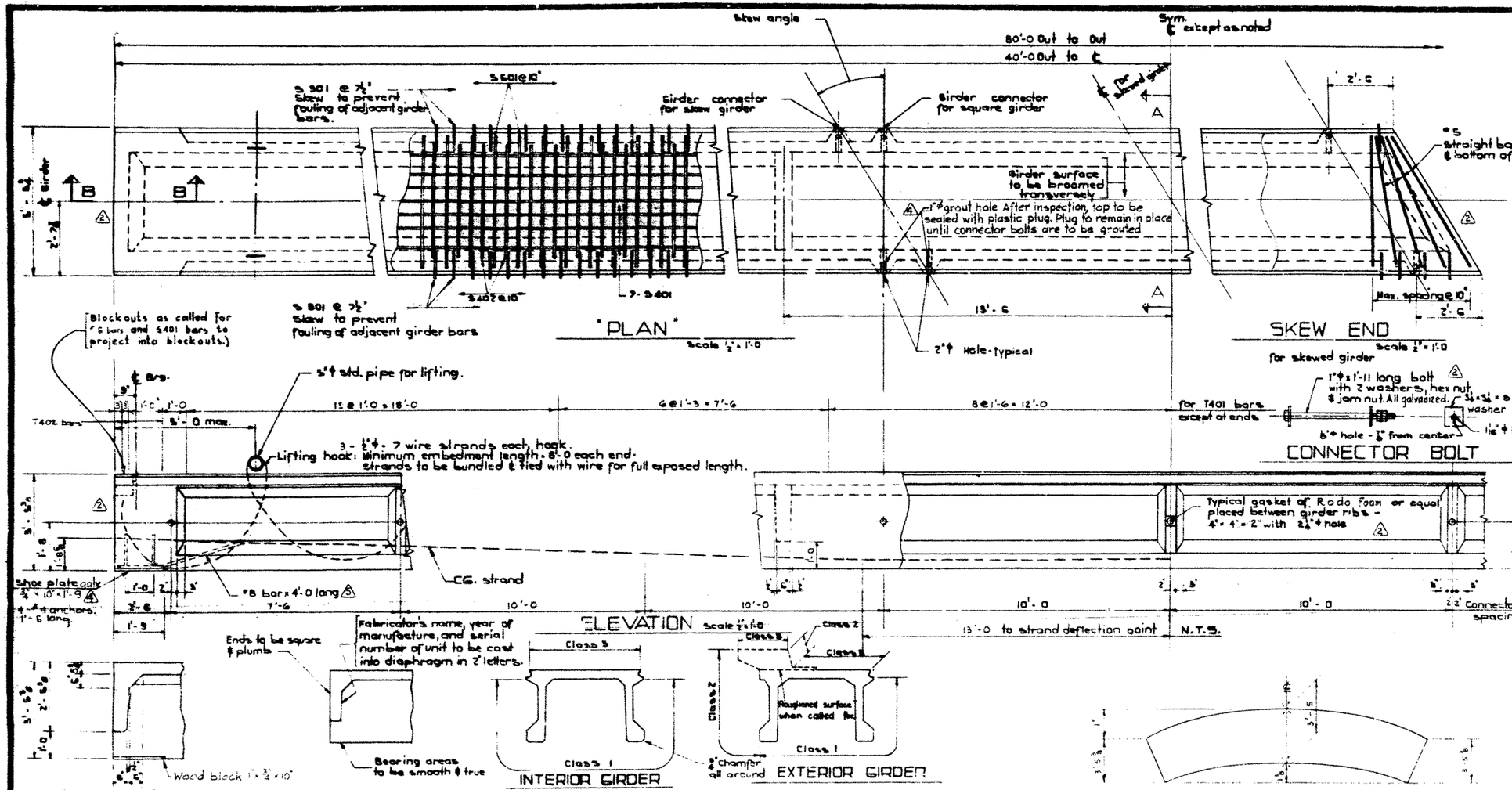
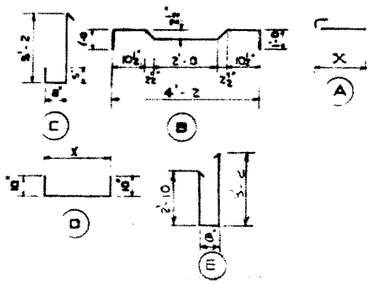


BAR LIST For unskewed Girder							
MARK	SIZE	NO	TYPE	'C'	'F'	LENGTH	WEIGHT
S 501	5	256	A	1'-0		11'-6	144
S 401	4	21	Str.			27'-6	386
S 402	4	96	B			5'-4	406
S 501	5	134	Str.			4'-9	961
T 401	4	130	C			4'-9	412
D 601	6	4	D	4'-2		5'-10	86
D 602	6	4	D	6'-0		6'-8	48
T 402	4	12	E			7'-6	61
T 601	6	24	Str.			2-11	105

Total lbs. 2,659

BAR TYPES :
(All bar dimensions are out to out)



GENERAL NOTES :

DESIGN
A.A.S.H.O. 1961 Specification
Loading : 0.90 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. Entrained air shall be not less than 5%.
Prestressing steel is ½" ϕ - 7 wire strand

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 = 75.2% strand
Design Load = 19.5% strand
Concrete must attain 4000 p.s.i. compressive strength before the prestressing force is transferred.
2 Galvanizing shall be in accordance with A.S.T.M. Spec. A153.
Units are to conform to the requirements of the Alberta Bridge Branch Specifications 1960 - 64 for the Manufacture of Prestressed Concrete Bridge Units

ERECTION
Lifting hooks at each end must be vertical at all times.
Girder surface must be level at all times.

DEFLECTED SHAPE AFTER RELEASE OF PRESTRESS
N.T.S.

NOTE:
Depth of ends increased ½" for camber

SUPERSEDED
SUPERSEDED BY S-883-69 (1)

NO.	DATE	DESCRIPTION	BY
5	Mar. 3.69	Shoe Plate Anchor Bar	T.B.
4	Nov. 8/68	1" ϕ hole & galv. shoe ⌀	R.Ch.
3			
2	Nov. 24/67	General	J.C.
1	Oct. 20/65	Drawn from Dwg. No. S-856	V.B.

REVISIONS

PRESTRESSED CONCRETE
80'-0 TYPE FC GIRDER

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

FILE NO. ____ HWY. NO. ____
LOCATION ____ SCALE ____ SHEET NO.
STREAM ____ SHEET ____ OF ____ S-883

DESIGNED BY L. Kohlmann
DRAWN BY
CHECKED BY
DATE February '64
DATE
DATE

MP 143