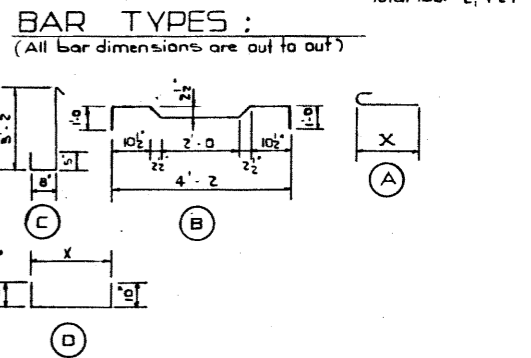


BAR LIST For unskewed Girder

MARK	SIZE	NO.	SYMB	SHAPE	LENGTH	WEIGHT
S 301	3	256	A	1'-0"	1'-6"	144
S 401	4	21	Str.		27'-6"	386
S 402	4	96	B		5'-4"	406
S 501	6	194	Str.		4'-9"	961
T 401	4	130	C		4'-9"	412
D 601	C	4	D	4'-2"	5'-10"	35
D 602	C	4	D	5'-0"	6'-8"	40
T 601	6	4	D	4'-6"	6'-2"	37

Total lbs: 2,421



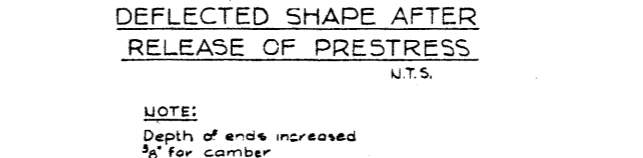
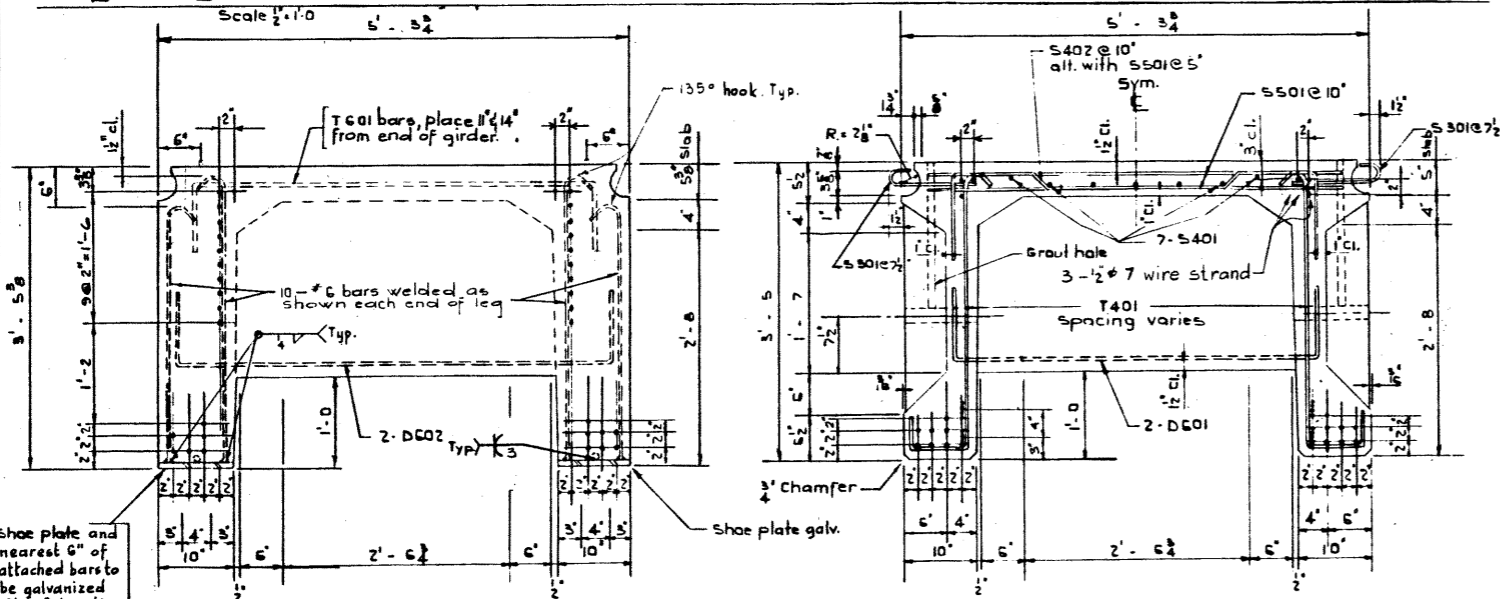
GENERAL NOTES

DESIGN
A.A.S.H.O. 1969 Specification
A.C.I. 318-63 shear design, F_{sp} = 5.67
Loading: 0.90 of one wheel line of an H 20 S 16-44 truck plus 2" wearing surface.

MATERIALS
Lightweight aggregates shall conform to the requirements of A.S.T.M. Specification C 330 with maximum aggregate size 3/4". Minimum 28 days compressive strength to be 5,000 psi. Unit weight of the concrete shall be not greater than 120#/cu.ft. in the plastic state. Entrained air shall 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 = 25.2k/strand. Design load = 18.3k/strand. Concrete must attain 4,000 psi compressive strength before the prestressing force is transferred. Galvanizing shall be in accordance with A.S.T.M. Specification A 153.

Units are to conform to the requirements of the Alberta Bridge Branch Specification B 190-64 for the Manufacture of Prestressed Concrete Bridge Units.



END VIEW
Scale 1/2" = 1'-0"

A-A
Scale 1" = 1'-0"

NOTE:
36-1/2" 7 wire strand, required per girder

REVISIONS

NO.	DATE	DESCRIPTION	BY

PRESTRESSED CONCRETE
80'-0 TYPE FC-41 GIRDER
LIGHTWEIGHT UNIT

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

FILE NO. _____ HWY. NO. _____ DWG. NO. _____
LOCATION _____ SCALE shown _____ SHEET _____ OF _____
STREAM _____ SHEET _____ OF _____

BY S-1006-73

DESIGNED BY J.C. Yin
CHECKED BY V. Bouchuk
DATE Jan. 1970