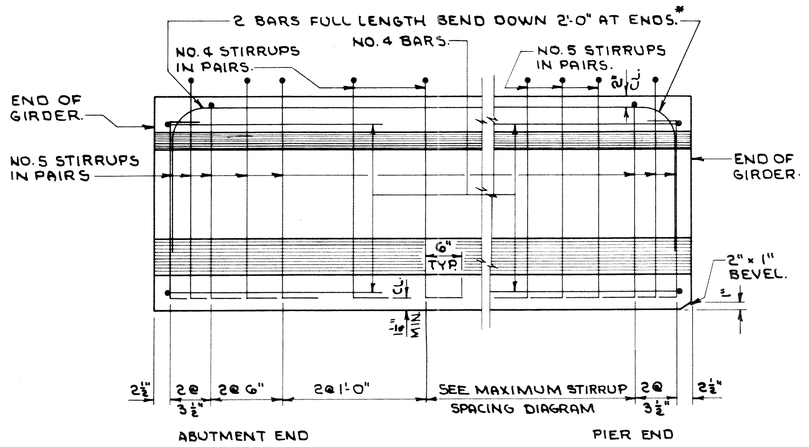
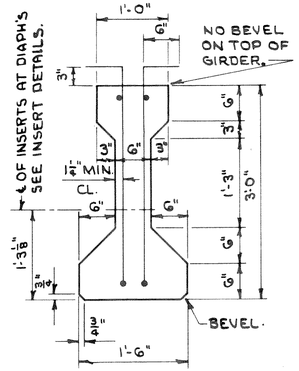
FORM E-B-12-62

E. P. R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	5118Z(2)	7	13

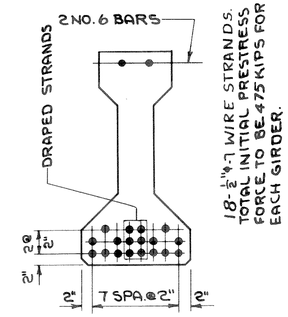


SIDE VIEW OF GIRDER



SECTION THRU GIRDER

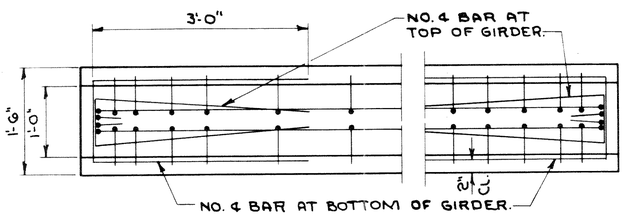
TYPICAL ALL SPANS



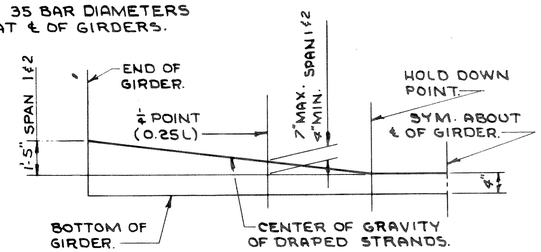
SECTION THRU GIRDER

AT ℄ OF SPAN 1 ℄ 2

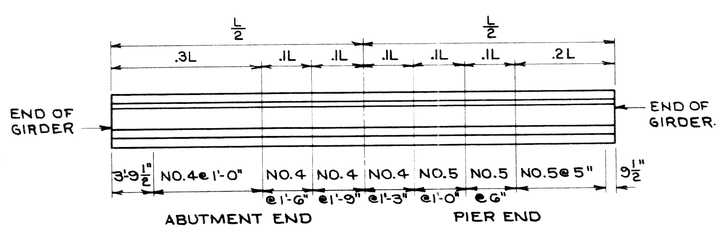
* ONE LAP OF 35 BAR DIAMETERS IS ALLOWED AT ℄ OF GIRDERS.



TOP VIEW OF GIRDER



DRAPED STRAND PROFILE



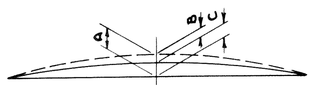
MAXIMUM STIRRUP SPACING DIAGRAM

ALL STIRRUPS TO BE IN PAIRS AS SHOWN ABOVE. THE LOCATION OF STIRRUPS SHALL BE SHOWN ON SHOP DRAWINGS.

THE OVERALL LENGTH OF GIRDERS "L" IS 54'-0½" FOR GIRDERS IN SPAN 1 ℄ 2.

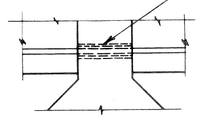
DEFLECTION DATA

	CAMBER	SPAN 1 ℄ 2
*A:	PRE-STRESS CAMBER	1⅛"
*B:	DEAD LOAD DEFLECTION	⅝"
*C:	RESIDUAL CAMBER	½"

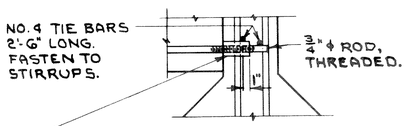


* DATA SHOWN IS THEORETICAL AND MAY VARY WITH CONCRETE STRENGTH, VARIABLE PRESTRESSING CONDITIONS AND PRESTRESS LOSSES.

2-1" I.D. SLEEVE INSERTS AT 6" CTR'S PLACED SYMMETRICAL ABOUT ℄ OF DIAPHRAGMS IN SPANS.



INTERIOR GIRDERS



¾" ø MALLEABLE HEX NUT 3" LONG OR APPROVED EQUAL INSERT WELD TO TIE BARS. 2 INSERTS AT 6" CENTERS PLACED SYMMETRICAL ABOUT ℄ OF DIAPHRAGMS IN SPANS.

EXTERIOR GIRDERS
INSERT DETAILS

MINIMUM CYLINDER STRENGTH OF CONCRETE AT TIME OF TRANSFER OF PRE-STRESS FORCE f'_{ci} (psi)

GIRDER TYPE	SPAN 1 ℄ 2
DRAPED PATTERN	4,800
SPREAD PATTERN	—

GENERAL NOTES

TOP OF GIRDERS TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY FOR BONDING TO SLAB.

THE GIRDER MANUFACTURER SHALL PROVIDE A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. THE DETAILS OF THE LIFTING DEVICE USED SHALL BE SUBMITTED FOR APPROVAL.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

WIRES SHALL BE FLUSH WITH END OF GIRDERS.

PRESTRESSING WIRES SHALL HAVE AN ULTIMATE STRENGTH OF 270,000 psi.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOULDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN
	36" PRESTRESSED GIRDER DETAILS
	DESIGN SPEC. AASHO-'61 LOADING H20 CONST SPEC. 1963
	DATE 12-67 DESIGN ST'D. DRAWN PAGE CKD. F.R.W.
STRUCTURE B-35-18	SHEET 3 OF 9

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