

**NOTES**

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

THE GIRDER MANUFACTURER SHALL PROVIDE A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

PRESTRESSING STRANDS SHALL HAVE AN ULTIMATE STRENGTH OF 270,000 P.S.I. AND SHALL BE FLUSH WITH THE ENDS OF THE GIRDER.

INSERTS SHALL BE PLACED ON 4" CENTERS SYMMETRICALLY ABOUT THE CENTER OF DIAPHRAGMS IN SPANS.

ALL STIRRUPS SHALL BE IN PAIRS AND THE SPACING SHOWN IN "SIDE VIEW" IS MAXIMUM. THE LOCATION SHALL BE SHOWN IN THE SHOP DRAWINGS.

BEND EACH END OF NO. 4 AND NO. 5 STIRRUPS 6" AND NO. 6 STIRRUPS 6 1/2".

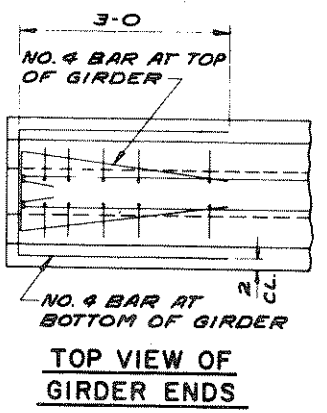
ENDS OF STRANDS SHALL BE PAINTED WITH NON-STAINING GRAY NON BITUMINOUS JOINT SEALER. (THIS APPLIES ONLY TO THOSE ENDS OF GIRDER THAT ARE FINALLY EXPOSED.)

TOP LONGITUDINAL BARS IN GIRDER MAY BE SPLICED BY USING 4G BAR DIAMETER LAPS. PLACE ONE LAP AT CENTER OF GIRDER IF LENGTH IS < 70'-0". PLACE LAPS AT THE 1/3 RD POINTS OF GIRDER IF LENGTH IS > 70'-0".

BAR STEEL IN GIRDERS SHALL BE HIGH STRENGTH BAR STEEL REINFORCEMENT.

GIRDER DATA		
	ALL SPANS	ALL SPANS
GIRDER LENGTH "L" REQUIRED	88'-9"	88'-9"
f'ci (psi) *	DRAPED PATTERN	4800
	SPREAD PATTERN	4800
DEFLECTION DATA **	PRESTRESS CAMBER "D"	1 1/4"
	DEAD LOAD DEFLECTION "E"	1"
	RESIDUAL CAMBER "F"	1/4"

USE DIAPHRAGM INSERT DETAIL TYPE "A"



⊙ STRESS RELIEVED  
 ⊙ LOW RELAXATION

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-35-75			
Const. Spec. 1975	Drawn By: RJK	Plans Checked: GRK	
54' PRESTRESSED GIRDER DETAILS		SHEET 10 OF 13 X58169	