

GIRDER NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY FOR BONDING TO THE SLAB, EXCEPT THE OUTSIDE 2" OF GIRDER, WHICH SHALL BE TROWEL FINISHED.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

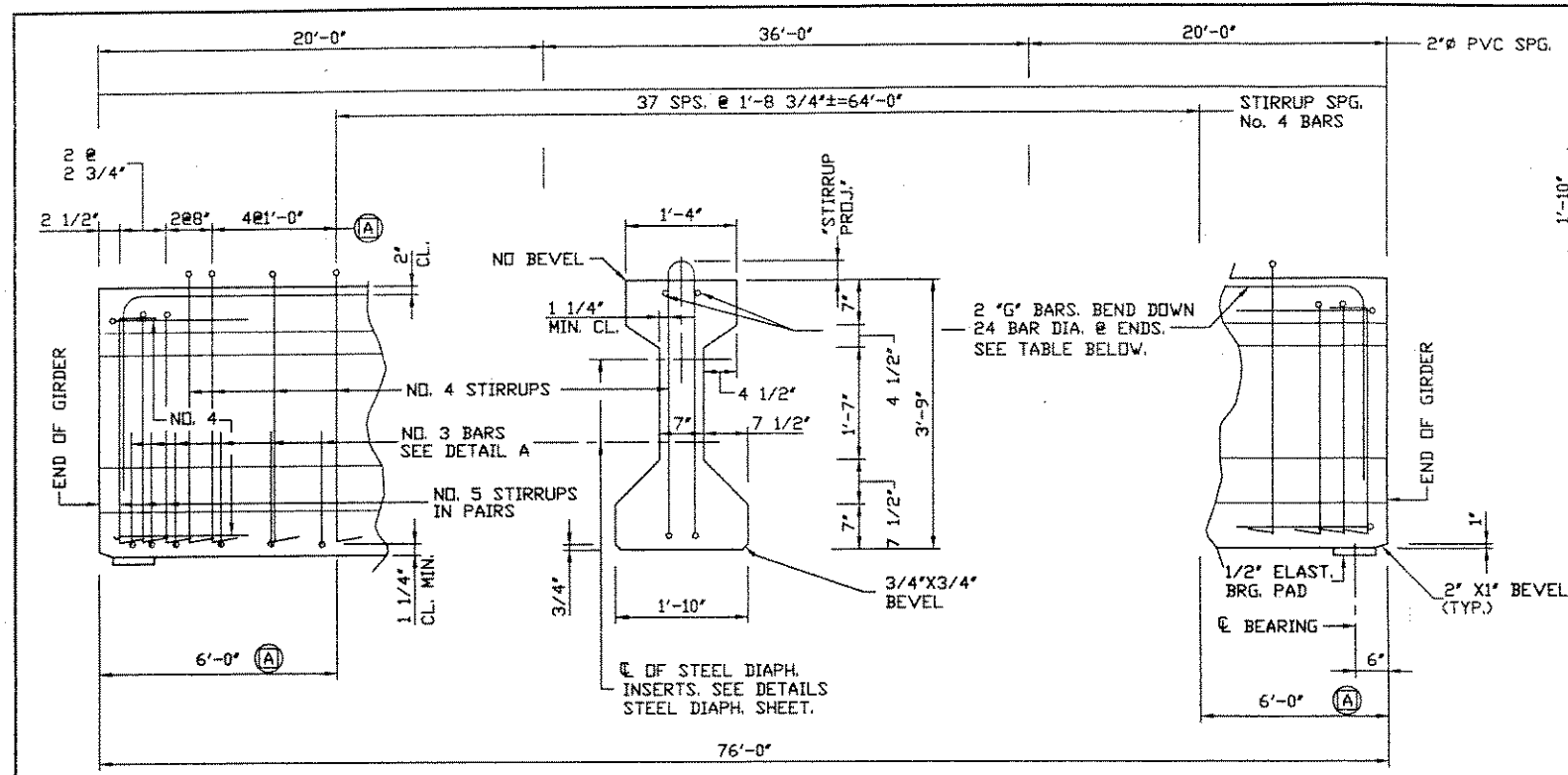
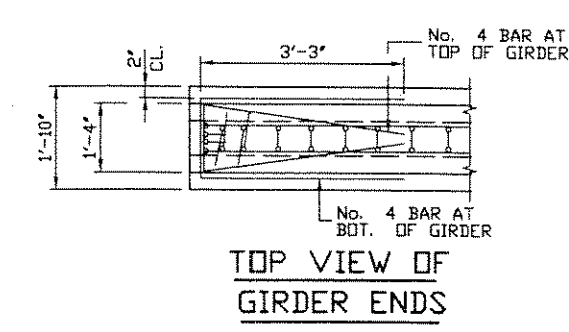
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

PRESTRESSING STRANDS SHALL BE 1/2" - 7 WIRE STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 psi. & SHALL BE FLUSH WITH THE ENDS OF THE GIR.

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

BEND EACH END OF No. 4 STIRRUPS 1/2' AND No. 5 STIRRUPS 6'

BARS 'G' MAY BE SPliced AT THE 1/3 POINTS OF GIRDER. USE LAP LENGTH SHOWN IN 'GIRDER DATA TABLE'.

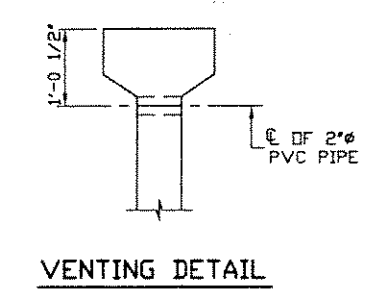


45' GIRDER - SIDE VIEW & TYP. SECTION IN SPAN

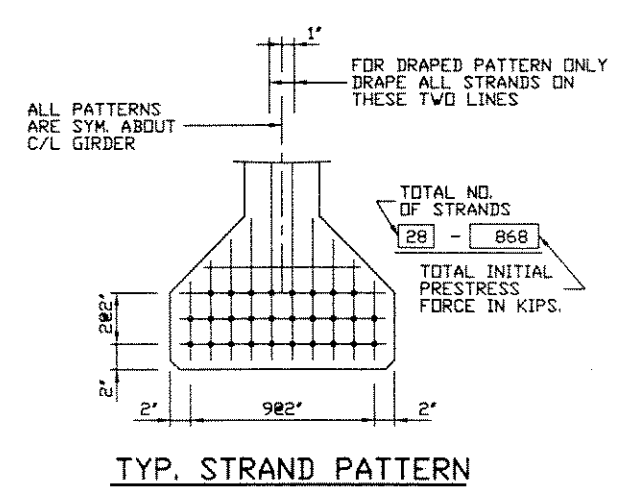
MINIMUM CYLINDER STRENGTH OF CONCRETE & TIME OF TRANSFER OF PRESTRESSED FORCE f'c AT 28 DAYS SHALL BE 6000 p.s.i.

GIRDER LENGTH 'L'	DEADLOAD DEFLECTION (IN.)		STIRRUP PROJECTION	TYPE OF STRANDS	DRAPED PATTERN				UNDRAPED PATTERN		SIZE OF 'G' BARS	MIN. LAP FOR 'G' BARS (FT.)
	'D'	'E'			TOTAL NO. OF STRANDS	f'ci (p.s.i.)	(INCHES)			TOTAL NO. OF STRANDS		
76'-0"	3/4	1	6"	LOW RELAXATION	28	4800	38	13	16	4	#4	2'-5"

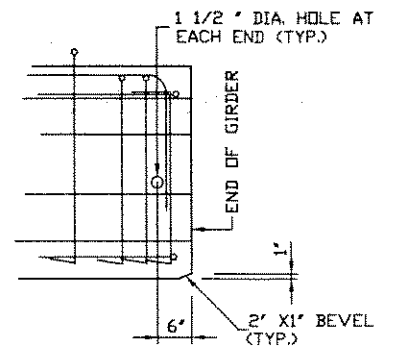
(A) DETAIL TYPICAL AT EACH END.



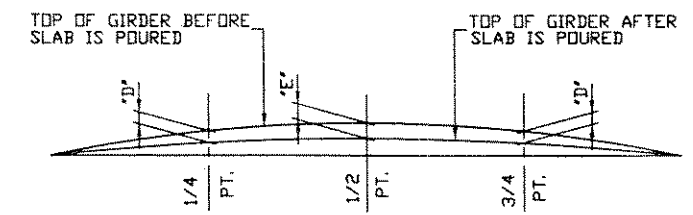
VENTING DETAIL



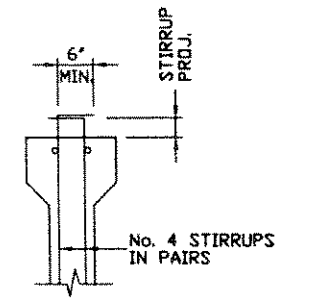
TYP. STRAND PATTERN



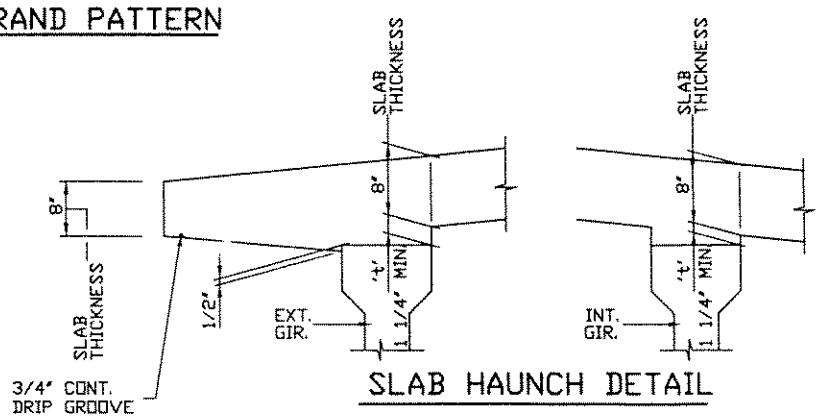
GIRDER ENDS



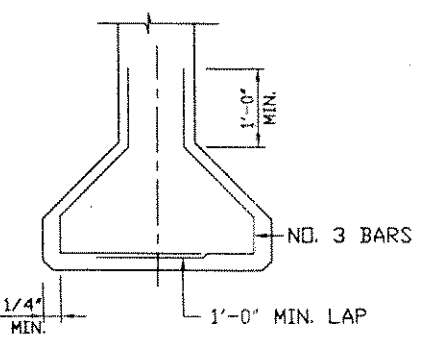
DEAD LOAD DEFLECTION DIAGRAM



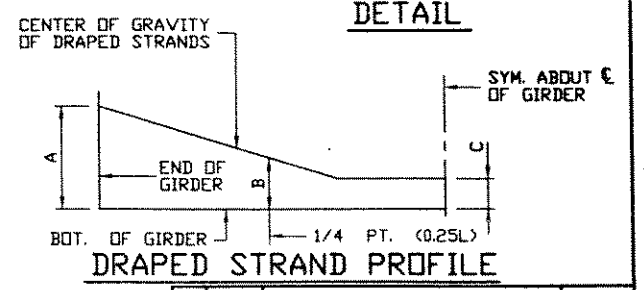
ALTERNATE STIRRUP DETAIL



SLAB HAUNCH DETAIL



DETAIL A



DRAPED STRAND PROFILE

IF 1 1/4" MINIMUM HAUNCH HEIGHT 't' CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN SLAB THICKNESS SHALL BE HELD. MAXIMUM HAUNCH HEIGHT EQUALS 'STIRRUP PROJECTION' MINUS 3 INCHES.

TO DETERMINE 't' ELEV. OF TOP OF GIR'S. AT C/L OF SUBSTRUCTURE UNITS & AT 1/4 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
-TOP OF GIRDER ELEVATION
+DEADLOAD DEFLECTION
-SLAB THICKNESS
=HAUNCH HEIGHT 't'

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-35-0134			
CONSTR. SPEC.	1989	DRAWN BY DM	PLANS CK'D RB
45' PRESTR. GIRDER DETAILS			SHEET 8 OF 10