

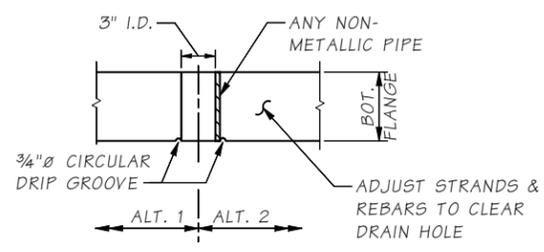
NOTES:

1. PLAN LENGTH SHALL BE INCREASED AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRESTRESS AND SHRINKAGE.
2. ALL PRETENSIONED STRANDS SHALL BE [$\frac{1}{8}''\phi$ OR $0.6''\phi$] LOW RELAXATION STRANDS (AASHTO M203 GRADE 270.)
3. FOR END TYPES A, C AND D CUT ALL STRANDS FLUSH WITH THE GIRDER ENDS AND PAINT WITH AN APPROVED EPOXY RESIN, EXCEPT FOR EXTENDED STRANDS AS SHOWN. FOR END TYPE B CUT ALL STRANDS 1" BELOW CONCRETE SURFACE AND GROUT WITH AN APPROVED EPOXY GROUT.
4. THE TOP SURFACE OF THE GIRDER WEBS SHALL BE ROUGHENED IN ACCORDANCE WITH SECTION 6-02.3(25)H OF THE STANDARD SPECIFICATIONS.
5. LIFTING EMBEDMENTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 6-02.3(25)L OF THE STANDARD SPECIFICATIONS.
6. CAUTION SHALL BE EXERCISED IN HANDLING AND PLACING GIRDERS. ALL GIRDERS SHALL BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THEY ARE BRACED ADEQUATELY TO PREVENT TIPPING AND TO CONTROL LATERAL BENDING DURING SHIPPING.
7. FORMS FOR BEARING PAD RECESSES SHALL BE CONSTRUCTED AND FASTENED IN SUCH A MANNER AS TO NOT CAUSE DAMAGE TO THE GIRDER DURING THE STRAND RELEASE OPERATION.

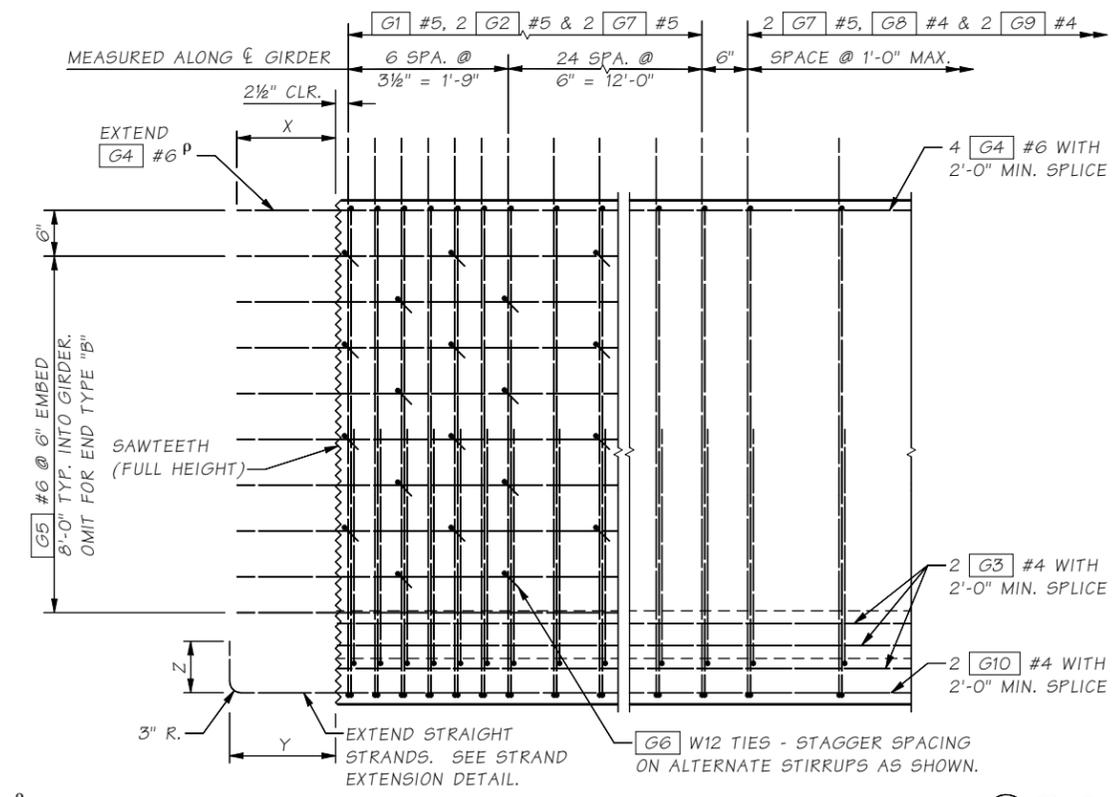
GIRDER ELEVATION

* OMIT HOLES AND PLACE INSERTS ON THE INTERIOR FACE OF EXTERIOR GIRDERS. PLACE HOLES AND INSERTS PARALLEL TO SKEW. INSERTS SHALL BE 1" BURKE HI-TENSILE, LANCASTER MALLEABLE, DAYTON-SUPERIOR F-62 FLARED THIN SLAB (1" x 4 $\frac{1}{2}$ ") FERRULE OR APPROVED EQUAL. (TYP.)

END TYPE A

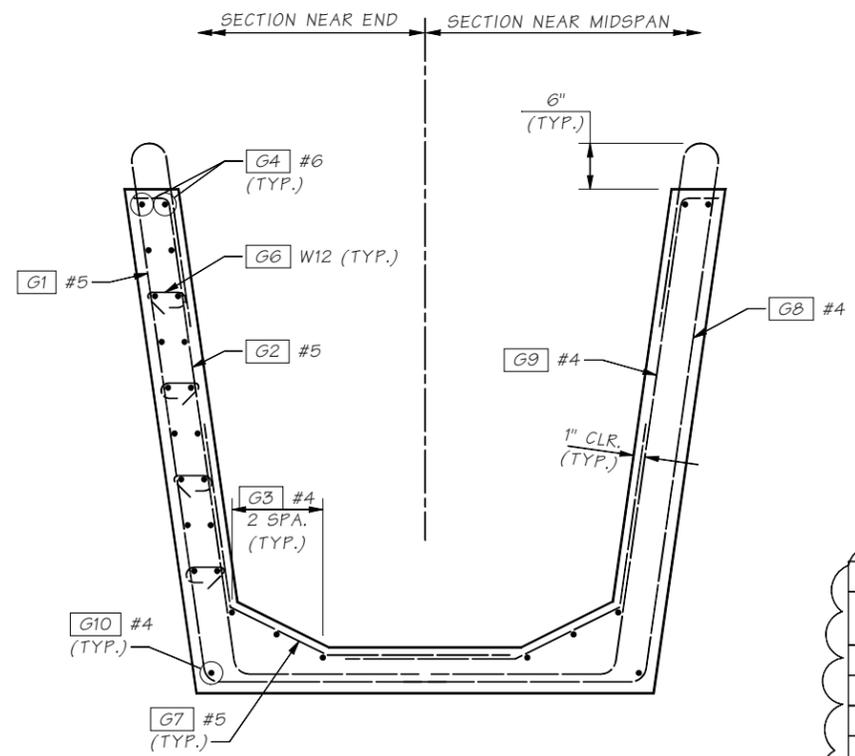


BOTTOM SLAB DRAIN HOLE DETAIL



TYPICAL END ELEVATION

END TYPE "C" SHOWN, OTHER END TYPES SIMILAR



TYPICAL SECTION

$\frac{1}{4}$ points of span for span lengths over 120'-0".
 $\frac{1}{3}$ points of span for span lengths 80'-0" TO 120'-0".
 Midpoint of span for span lengths 40'-0" TO 80'-0".

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 $\frac{1}{3}$ points of span for span lengths 80'-0" TO 120'-0".
 Midpoint of span for span lengths 40'-0" TO 80'-0".

Notes to designer						
DIAPHRAGM TYPE	END TYPE	BEARING RECESS	X	Y	Z	SAWTEETH
End diaphragm on girder	A	YES	1'-10"	1'-6"	9"	YES
"L" Abutment	B	YES	0	0	0	NO
Hinge diaph. at interm. pier	C	NO	1'-10"	1'-6"	9"	YES
Fixed diaph. at interm. pier	D	NO	1'-10"	ALT. 1 OR ALT. 2 STRAND EXTEN.		YES
Multiple simple spans at intermediate pier	E	YES	0	0	0	NO

^P FIELD BENDING REQUIRED TO OBTAIN $\frac{1}{2}$ " CONCRETE COVER AT PAVEMENT SEAT.

Stirrup spacing shall be determined by the designer

SR JOB NO. 5.6-A16-2

Bridge Design Engr.	M:\STANDARDS\Girders\Trapezoidal Tubs\TRAPEZOIDAL TUB 1.MAN				
Supervisor		REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.
Designed By		10	WASH.		TOTAL SHEETS
Checked By		JOB NUMBER			
Detailed By					
Bridge Projects Engr.					
Prelim. Plan By					
Architect/Specialist	DATE	REVISION	BY	APPD	

BRIDGE AND STRUCTURES OFFICE



STANDARD PRESTRESSED CONCRETE GIRDERS
 TUB GIRDER DETAILS 1 OF 3