GIRDER SCHEDULE																																			
SPAN			PLAN LENGTH	GIRDER END DETAILS				MIN. CONC. COMP. STRENGTH		NUMBER OF STRANDS (SEE GIRDER NOTE 2)						1		MIDSPAN VERTICAL		REINFORCEMENT DETAILS				SHIPPING AND HANDLING DETAILS											
	GIRDER	GIRDER SERIES	(ALONG GIRDER GRADE) (SEE GIRDER NOTE 1)	END 1 TYPE	La	6	€1	θ2	P1	P2	@ 28-DAYS F'C (KSI)	@ RELEASE F'CI (KSI)	STRAIGHT	HARPED	TEMPORARY	Е	F& Fo	END 1	END 2	"A" DIMENSION A E BEARINGS	DECK SCREED CAMBER C	CK SCRE.	V1	V2 V3	5 V4	V5	V6	H1	MAXIMUM MIDSPAN VERTICAL DEFLECTION AT SHIPPING	L	L	L <sub>T</sub>	K <sub>O</sub> MINIMUM SHIPPING SUPPORT ROTATIONAL SPRING CONSTANT (KIP-IN/RAD)	W <sub>CC</sub> MINIMUM SHIPPING SUPPORT CNTRTO-CNTR. WHEEL SPACING	
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## NOTES TO DESIGNER:

- 1. TUB GIRDER DETAIL SHEETS 1 TO 3 ARE INTENDED TO BE USED AS IS WITHOUT NEED FOR MODIFICATION FOR MOST PROJECTS. PROJECT SPECIFIC GIRDER DETAILS ARE THEN LIMITED TO THE GIRDER SCHEDULE. TUB GIRDER DETAIL SHEET 3 MAY BE OMITTED IF TEMPORARY TOP STRANDS ARE NOT USED.
- 2. V1 SPA. @ V2 IS INTENDED TO BE THE SPLITTING RESISTANCE ZONE DEFINED BY BDM 5.6.2.F.
- 3. V3 SPA. @ V4 IS INTENDED TO BE THE CONFINEMENT REINFORCEMENT ZONE DEFINED BY BDM 5.6.2.G.
- 4. G1, G2, G8 AND G9 STIRRUP HEIGHT "H1" IS GENERALLY
  "H" + 3" + "A" DIMENSION. HOWEVER, DESIGNERS SHALL CHECK
  "H1" FOR THE EFFECT OF VERTICAL CURVE AND INCREASE AS
  NECESSARY.
- 5. DIMENSIONS IN THE GIRDER SCHEDULE SHALL BE SHOWN TO THE NEAREST 1/8TH INCH.
- 6. THE NUMBER OF HARPED STRANDS SHOULD NOT EXCEED HALF THE NUMBER OF STRAIGHT STRANDS UNLESS THE STRAIGHT STRAND PATTERN IS FULL.
- 7. TEMPORARY TOP STRANDS REQUIRE TOP FLANGES.
- 8. DELETE UNUSED ROWS IN THE GIRDER SERIES TABLE.

## GIRDER NOTES

- 1. PLAN LENGTH SHALL BE INCREASED AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRESTRESS AND SHRINKAGE.
- 2. ALL PRETENSIONED AND TEMPORARY STRANDS SHALL BE 0.6" Ø AASHTO M203 GRADE 270 LOW RELAXATION STRANDS, JACKED TO 202.5 KSI.
- 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.

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G-21	Bridge Design Engr.	M:\STANDARDS\Girders\Trapezoidal Tubs\SCHEDULE AND NOTES.MAN											
∄	Supervisor					REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	]		
Ξ.	Designed By										Ī		
SR	Checked By					10	WASH.						
	Detailed By					TOP N	NUMBER						
	Bridge Projects Engr.					3061	NOMBLK						
	Prelim. Plan By												
	Architect/Specialist	DATE	REVISION	BY	APP'D								

BRIDGE AND STRUCTURES OFFICE



STANDARD PRESTRESSED CONCRETE GIRDERS

> TUB GIRDER SCHEDULE AND NOTES