

### GIRDER SCHEDULE

SPAN GIRDER	GIRDER SERIES	TOP FLANGE WIDTH W	PLAN LENGTH (ALONG GIRDER GRADE) (SEE GIRDER NOTE 1)	GIRDER END DETAILS								MIN. CONC. COMP. STRENGTH		NUMBER OF STRANDS (SEE GIRDER NOTE 2)		LOCATION OF C.G. STRANDS			STRAIGHT STRANDS TO EXTEND		MIDSPAN VERTICAL DEFLECTION D		REINFORCEMENT DETAILS						SHIPPING AND HANDLING DETAILS								
				END 1 TYPE	END 2 TYPE	L <sub>d</sub>	θ <sub>1</sub>	θ <sub>2</sub>	P <sub>1</sub>	P <sub>2</sub>	@ 28-DAYS F' <sub>c</sub> (ksi)	@ RELEASE F' <sub>ci</sub> (ksi)	STRAIGHT	HARPED	E	F <sub>CL</sub>	F <sub>o</sub>	END 1	END 2	LOWER BOUND @ 40 DAYS	UPPER BOUND @ 120 DAYS	ZONE 1		ZONE 2		ZONE 3		MAXIMUM MIDSPAN VERTICAL DEFLECTION AT SHIPPING	L	L <sub>1</sub>	L <sub>2</sub>	K <sub>θ</sub> MINIMUM SHIPPING SUPPORT ROTATIONAL SPRING CONSTANT (KIP-IN/RAD)	W <sub>CC</sub> MINIMUM SHIPPING SUPPORT CNTR.-TO-CNTR. WHEEL SPACING				
																						SPACING	LENGTH	SPACING	LENGTH	SPACING	LENGTH										
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	TO?	?	TO?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**NOTES TO DESIGNER:**

1. WF DECK GIRDER DETAIL SHEETS 2 TO 4 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.
2. ZONE 1 IS INTENDED TO BE THE SPLITTING RESISTANCE ZONE DEFINED BY BDM 5.6.2.F. ZONE 2 IS INTENDED TO BE THE CONFINEMENT REINFORCEMENT ZONE DEFINED BY BDM 5.6.2.G.
3. DIMENSIONS IN THE GIRDER SCHEDULE SHALL BE SHOWN TO THE NEAREST 1/8" EXCEPT THE "A" DIMENSION WHICH SHALL BE SHOWN TO THE NEAREST 1/4".
4. THE NUMBER OF HARPED STRANDS SHOULD NOT EXCEED HALF THE NUMBER OF STRAIGHT STRANDS UNLESS THE STRAIGHT STRAND PATTERN IS FULL.
5. MINIMUM WIDTH "W" SHALL BE 5'-0" TO ALLOW FOR INSPECTION ACCESS. MAXIMUM WIDTH "W" SHALL BE 8'-0".
6. ENSURE HARPED STRANDS EXIT GIRDER END BELOW BLOCKOUT FOR END TYPE B.
7. GIRDER END SKEW IS LIMITED TO 30°.
8. IT IS ASSUMED THAT THE FINAL PROFILE GRADE IS PROVIDED BY VARYING THE OVERLAY THICKNESS. INSTEAD, THE DESIGNER COULD ADD A "GIRDER FLANGE THICKENING" DETAIL TO ACCOUNT FOR PROFILE GRADE AND PRESTRESSING CAMBER EFFECTS.

**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 (43.94 KIPS PER STRAND).
3. STRUCTURAL STEEL SHAPES AND ASSEMBLIES SHALL BE ASTM A36. THEY SHALL BE PAINTED WITH A PRIMER COAT IN ACCORDANCE WITH STD. SPEC. 6-07.3(9). WELD TIES SHALL BE PAINTED WITH A FIELD PRIMER COAT OF AN ORGANIC ZINC PAINT AFTER FIELD WELDING.

Bridge Design Engr.	M:\STANDARDS\Girders\WFDG\WFDG GIRDER DETAILS 1 OF 4.MAN							
Supervisor				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Designed By				10	WASH.			
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

WF DECK GIRDER  
DETAILS 1 OF 4