WF DECK GIRDER DETAILS 1 OF 4

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<th>GIRDER SERIES</th>
<th>TOP FLANGE WIDTH W</th>
<th>PLAN LENGTH (ALONG GIRDER GRDE)</th>
<th>ORDER END DETAILS</th>
<th>MIN. CONC. COMP. STRENGTH</th>
<th>NUMBER OF STRANDS (SEE GIRDER NOTE 2)</th>
<th>LOCATION OF END TYPE</th>
<th>STRAIGHT STRANDS TO EXTEND</th>
<th>MIDSPAN DEFLECTION</th>
<th>REINFORCEMENT DETAILS</th>
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**NOTES TO DESIGNER**

1. WFDG 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 SPALLING 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. ENDS HARPED STRANDS EXIT GIRDER END BELOW BLOCKOUT FOR END TYPE B.

7. GIRDER END O'KIN IS LIMITED TO 30°.

8. IT IS ASSUMED THAT THE FINAL PROFILE GRADE IS PROVIDED BY VARYING THE OVERLAY THICKNESS. INSTEAD, THE DESIGNER COULD AD "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 6/4 AASHTO M203 GRADE 270 LOW RELAXATION STRANDS, JACKED TO 202.5 KSI.

3. STRUCTURAL STEEL SHAPES AND ASSEMBLIES SHALL BE ASTM A36. THEY SHALL BE PAINTED WITH A FRAME COAT IN ACCORDANCE WITH STD. SPEC. D-07-3(9). WELD TIES SHALL BE PAINTED WITH A FIELD FRAME COAT OF AN ORGANIC ZINC PAINT AFTER FIELD WELDING.

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<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>REV.</th>
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Washington State Department of Transportation

BRIDGE AND STRUCTURES OFFICE

STANDARD PRESTRESSED CONCRETE GIRDER

WF DECK GIRDER DETAILS 1 OF 4