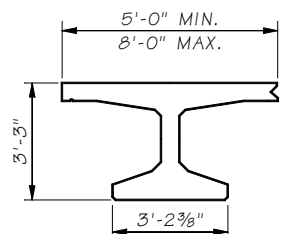


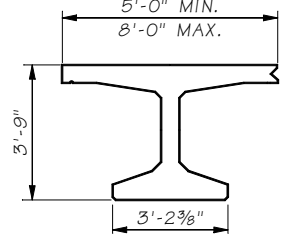
PRESTRESSED CONCRETE DECK GIRDERS

WIDE FLANGE DECK GIRDERS



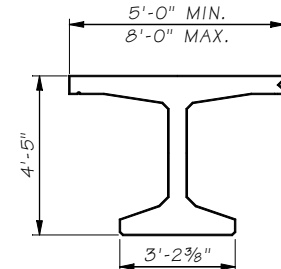
WF39DG

5 FT. SPAN LENGTH = 115 FT.  
8 FT. SPAN LENGTH = 100 FT.



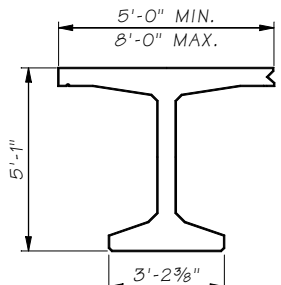
WF45DG

5 FT. SPAN LENGTH = 130 FT.  
8 FT. SPAN LENGTH = 105 FT.



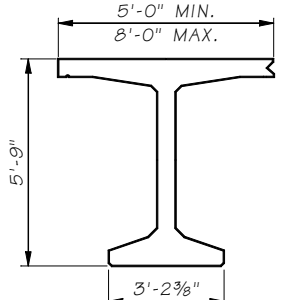
WF53DG

5 FT. SPAN LENGTH = 145 FT.  
8 FT. SPAN LENGTH = 125 FT.



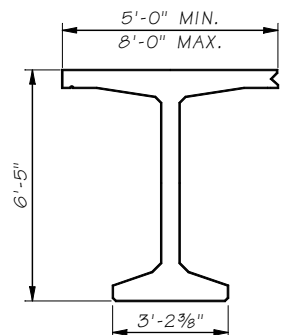
WF61DG

5 FT. SPAN LENGTH = 160 FT.  
8 FT. SPAN LENGTH = 135 FT.



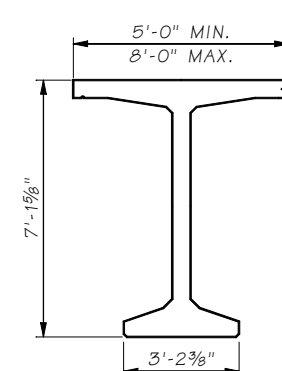
WF69DG

5 FT. SPAN LENGTH = 170 FT.  
8 FT. SPAN LENGTH = 150 FT.



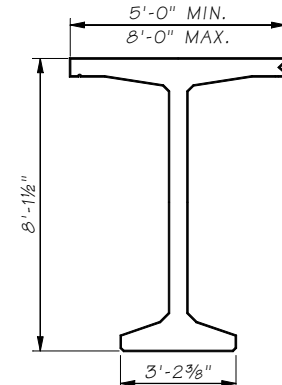
WF77DG

5 FT. SPAN LENGTH = 185 FT.  
8 FT. SPAN LENGTH = 165 FT.



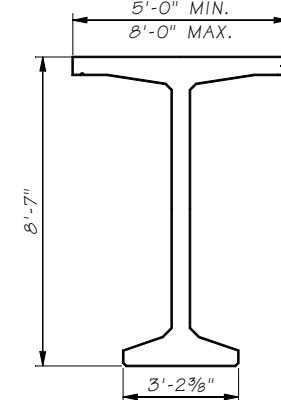
WF86DG

5 FT. SPAN LENGTH = 195 FT.  
8 FT. SPAN LENGTH = 160 FT.



WF98DG

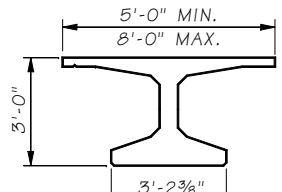
5 FT. SPAN LENGTH = 180 FT.  
8 FT. SPAN LENGTH = 155 FT.



WF103DG

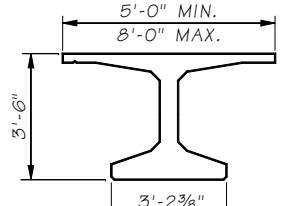
5 FT. SPAN LENGTH = 175 FT.  
8 FT. SPAN LENGTH = 150 FT.

WIDE FLANGE THIN DECK GIRDERS



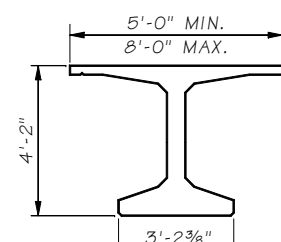
WF36TDG

5 FT. SPAN LENGTH = 120 FT.  
8 FT. SPAN LENGTH = 100 FT.



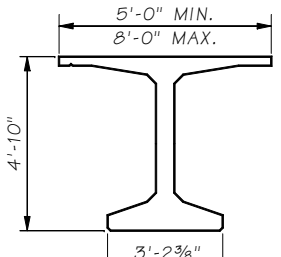
WF42TDG

5 FT. SPAN LENGTH = 135 FT.  
8 FT. SPAN LENGTH = 115 FT.



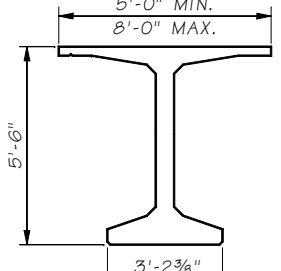
WF50TDG

5 FT. SPAN LENGTH = 155 FT.  
8 FT. SPAN LENGTH = 135 FT.



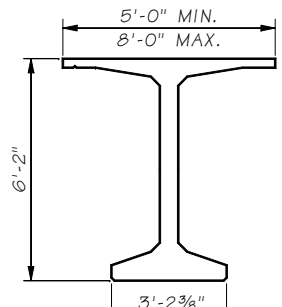
WF58TDG

5 FT. SPAN LENGTH = 180 FT.  
8 FT. SPAN LENGTH = 150 FT.



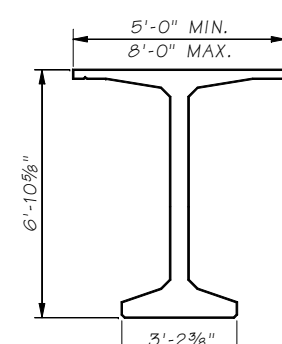
WF66TDG

5 FT. SPAN LENGTH = 195 FT.  
8 FT. SPAN LENGTH = 165 FT.



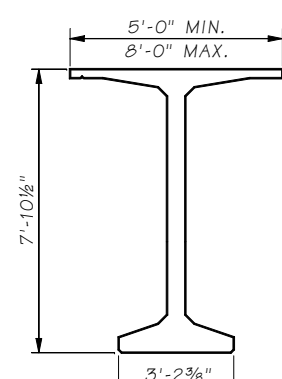
WF74TDG

5 FT. SPAN LENGTH = 210 FT.  
8 FT. SPAN LENGTH = 180 FT.



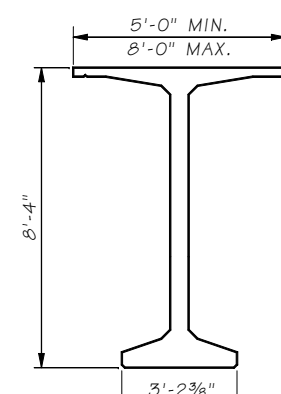
WF83TDG

5 FT. SPAN LENGTH = 225 FT.  
8 FT. SPAN LENGTH = 200 FT.



WF95TDG

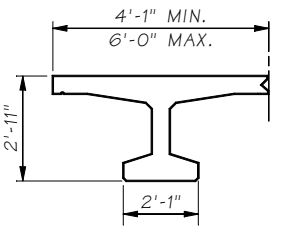
5 FT. SPAN LENGTH = 200 FT.  
8 FT. SPAN LENGTH = 190 FT.



WF100TDG

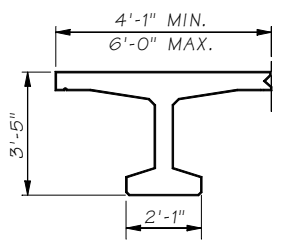
5 FT. SPAN LENGTH = 190 FT.  
8 FT. SPAN LENGTH = 190 FT.

DECK BULB TEES



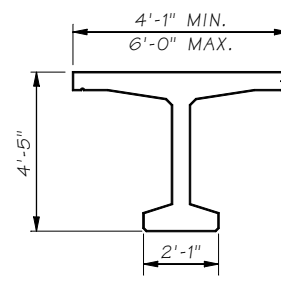
W35DG

SPAN LENGTH = 95 FT.



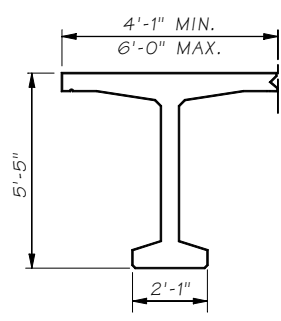
W41DG

SPAN LENGTH = 110 FT.



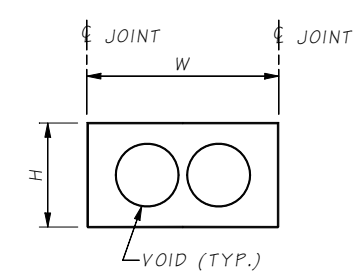
W53DG

SPAN LENGTH = 135 FT.



W65DG

SPAN LENGTH = 155 FT.



SLAB GIRDER

| TYPICAL SLAB GIRDER CONFIGURATIONS |       |       |       |  |
|------------------------------------|-------|-------|-------|--|
| H                                  | W     | VOIDS |       | MAX. SPAN LENGTH ~<br>¢ BRG. TO ¢ BRG. |
|                                    |       | NUM.  | DIA.  |  |
| 12"                                | 4'-0" | 0     | -     | 30'                                    |
| 18"                                | 4'-0" | 3     | 9"    | 45'                                    |
| 24"                                | 4'-0" | 2     | 15.7" | 60'                                    |
| 26"                                | 4'-0" | 2     | 15.7" | 65'                                    |
| 30"                                | 4'-4" | 2     | 18"   | 75'                                    |

NOTES:

- SPAN LENGTHS SHOWN ARE BASED ON CONCRETE COMPRESSIVE STRENGTHS OF 7.5 ksi AT TRANSFER AND 9.0 ksi AT FINAL.
- DECK BULB TEE AND WIDE FLANGE DECK GIRDER SPAN LENGTHS SHOWN ARE FOR NON-COMPOSITE DECK MEMBERS WITH 3" HMA OVERLAY.
- A MINIMUM 5" CAST-IN-PLACE COMPOSITE BRIDGE DECK SHALL BE PROVIDED FOR SLABS AND WIDE FLANGE THIN DECK GIRDERS.

Last revised on : 04/07/2016

SHEET NO. \_\_\_\_\_

|                       |   |            |       |                    |
|-----------------------|---|------------|-------|--------------------|
| Bridge Design Engr.   | M:\STANDARDS\Girders\Design Charts\Deck Girder Sections.MAN |            |       |                    |
| Supervisor            |   | REGION NO. | STATE | FED. AID PROJ. NO. |
| 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

PRESTRESSED CONCRETE DECK GIRDERS

BRIDGE SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS

5.6-A1-11