General Notes:

Concrete for prestressed girders shall be Class C4 with f'c = 4 ksi.

Use strands, 1/2"Ø Grade 270, with an initial prestress force of 1 kips.

Pretensioned members shall be in accordance with Sec 1029.

Fabricator shall be responsible for location and design of lifting devices.

Exterior and interior girders are the same except: coil inserts, coil ties, Prestressed Bar (B1 Bars), and end shapes (open vs. integral).

For Girder Camber Diagram, see Sheet No.

The 1 1/2"Ø holes shall be cast in the web for steel intermediate diaphragms, Drilling is not allowed. For location of holes and details of steel intermediate diaphragms, see Sheet No.

For location of coil inserts, coil ties, and Prestressed Bar (B1 Bars), see Sheets No.

Solids, 2-6" projection (Cut any remaining top strands within 1" of end of girder) (Typ.)

No. 7-6" projection (Cut any remaining top strands within 1" of end of girder) (Typ.)

2.5" projection (Cut any remaining top strands within 1" of end of girder) (Typ.)

Use 10 strands, 3/4"Ø Grade 186, with an initial prestress force of 1 kips. Pretensioned bars shall be in accordance with Sec 1029.

Fabricator shall be responsible for location and design of lifting devices.

Exterior and interior girders are the same except: coil inserts, coil ties, Prestressed Bar (B1 Bars), and end shapes (open vs. integral).

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Standard Drawing Guidance (do not show on plans):

To display the strand details open the reference files dialog box and activate the display option of the file with the description that best matches what is required by the design.

See EPG for actual length of B1 bars which vary by size.

The details of the coil ties are for closed diaphragms. Include additional detail below for open diaphragms.

1. This detail only needs to be used if the structure is over water. For all other crossings remove this detail.

2. Remove if #5-B1 bars are used.

3. Use with end spans when both interior & exterior girders are detailed on the same sheet and the 2'-6" long tie rod will not fit in the exterior diaphragm portion. Remove when not necessary.

4. By design. Typically 30.98 kips per 1/2" strand & 43.94 kips per 0.6" strand, rounded to nearest whole kip.