DIMENSIONS

11. Fabricator shall apply a bond breaker to this region excluding where joint filler will be applied.

12. Use symmetry for dimensions not shown.

All dimensions are cut to cut. Use symmetry for dimensions not shown.

Exterior and interior beams are the same except for coil ties, application and bend projection with 2'-0" projection.

All strands are fully bonded unless otherwise noted. Indicates prestressing strand.

End point intermediate beam end Type 1

End Point Intermediate Beam

Strands at Beam Ends

Sheets No. __ and __.

Concrete bent diaphragms, see Sheet No. __.

For Beam Camber Diagram, see Sheet No. __.

Exterior and interior beams are the same except:

Exterior beams at end bents (Typ.)

Exterior beams at end bents

Interior beams at all bends

Cables Tie Rods 2'-6" (Typ.)

General Notes:
Concrete for prestressing beams shall be Grade A-1 with f'c = 5000 psi and f'c = 5000 psi.

Use strands: "Ø Grade 270, "Ø Grade 60, "Ø Grade 80, and "Ø Grade 100.

Tensioned members shall be in accordance with Sec 1029.

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

Exterior and interior beams are the same except:

Exterior beams at end bents

Interior beams at all bends

Reinforcement shall be one inch, unless otherwise shown.

For information, contact:
Missouri Highways and Transportation Commission
105 West Capitol
Jefferson City, MO 65102
1-888-ASK-MODOT (1-888-275-6636)
Actual strand arrangement, bent up strands, and debonding (if any) is by design. Add or remove symbols and instructions as required. Strands may be placed continuously across beam (eliminating 4" space), but dimension to drain hole in Part Plan shall be revised to 10".

Revise if #3 is required. Use 6'-1" for #3-S3 actual length and 6'-1" for #3-S2 actual length.

Splices shown only when necessary (girder length > 60'-2"). Use 2'-1" lap for #4 & #5-S2 lap for #5.

When lap is: - Delete grouped elements.
  unnecessary. - Extend A bars to Beam.
  - Revise 10 to 3 A1 bars & 6 to 4 A2 bars.

Interior diaphragm, void holes & vent pipe shall be shown only when necessary (when structure may be submerged).

When not necessary: - Delete the two grouped elements. - Extend hidden lines to Beam. - In Part Plan revise remaining dimension to full length of void.

Revise minimum dimension if required by design.

By design, typically 30 kips per 0.5" strand & 43.94 kips per 0.6" strand, rounded to nearest whole kip.

Strand location not available when vent pipe is required.