



Development Section Bulletin No. 13-04-DSB-Type 6 PSI Girder Length Limit

Gregory E Sanders to: BRSD, BRPM, BRSLE, Andrew J Grimm,
Charles R Robinson, Janet K Graham,
Mark A Sidebottom, Patrick L Robinson, 06/12/2013 01:16 PM
Robert W Henson

<< DEVELOPMENT SECTION BULLETIN >>

No. 13-04-DSB-Type 6 PSI Girder Length Limit

Contact: Dennis Heckman, Scott Stotlemeyer or Gregory Sanders

Effective: Immediately

Instruction:

Designs using MoDOT Prestressed Type 6 Girders shall be limited to **105 feet maximum length** until further notice.

Work is currently underway investigating current design practice with the goal of making recommendations for revisions to the EPG and Specifications for ensuring stability of prestressed girders during fabrication, shipping and erection generally.

No limits are set for other types of prestressed girders.

If currently designing a Type 6 girder, or more generally an unusually long MoDOT Type PSI girder, consult the Structural Project Manager or Structural Liaison Engineer.

Reason for Bulletin:

A single incident involving a long Type 6 prestressed girder has raised concerns about the stability of long prestressed girders generally during picks (lifting operations). The concern was raised by a fabricator. Lengths of Type 6 girders equal to or shorter than 105 feet are believed to be safe based on past design and fabrication yard practices.

Gregory E. Sanders, P.E.
Structural Development and Support Engineer
Bridge Division, Central Office
Missouri Dept. of Transportation
tele: 573.526.0245 fax: 573.526.5488