

**From:** [Debra M. Butchart](#)  
**To:** [BR](#)  
**Subject:** Bridge Advertisement (DSI 24-034) Polyester Polymer Concrete Wearing Surface  
**Date:** Monday, November 25, 2024 7:31:33 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)

The [EPG](#) and [Missouri Standard Specifications](#) have been updated as described below:

**Implementation Statement:** Effective immediately for all plans not yet submitted to Design.

*(The Implementation Statement is a recommendation by the Development Section. The SPM is responsible for the level of implementation for any particular job.)*

Revision Date	Items Revised	Description of Change
<a href="#">Nov. 2024</a>	EPG: <a href="#">751.50</a>	Information is added to the standard specifications and a standard note (I1.18) to adequately cover the requirements for polyester polymer concrete wearing surfaces. This information was previously covered in a job special provision where the costs for PPC were split between one pay item for materials and one for labor. This JSP is no longer required, as payment will be covered by a single pay item in accordance with the specifications. (See screenshots below)
	Bridge Standard Drawings: NA	
	MicroStation Cells: NA	
	Std. Specifications: <a href="#">505.70.10</a>	
	Standard Plans: NA	
	Bridge Special Provisions: NA	

Follow links above for more information, or to view more details about this (or any) revision, use the [Revision Index Database](#), located under Completed Revisions on Development’s Sharepoint page.

Instructions:

- Under Tables (left-hand side) double-click on RevisionRecords.
- Click on the link under the Effective Date to access documentation for the completed revision.

**(I1.18) Use note with polyester polymer concrete (PPC) wearing surfaces.**

Polyester polymer concrete may be substituted for Class B-2 concrete at locations of half-sole and full depth repairs. Deck repairs using polyester polymer concrete shall be placed following the procedures recommended by the manufacturer. The maximum lift height recommended by the manufacturer is not to be exceeded. Monolithic repairs are permitted when half the diameter or less of the top bar is exposed.

**505.70.10 Limitations of Operations.** Operations shall be limited in accordance with Sec 505.10.10, except that traffic and construction equipment shall not be permitted on the polyester polymer concrete wearing surface for at least two hours and until the polyester polymer wearing surface has reached a minimum compressive strength of 3000 psi as verified by the rebound number determined in accordance with ASTM C805. [Rebound number shall be correlated to cylinder compressive strength through development of a calibration curve specific to the project, and as directed by the manufacturer.](#)

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