

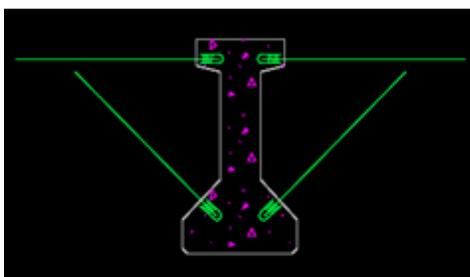
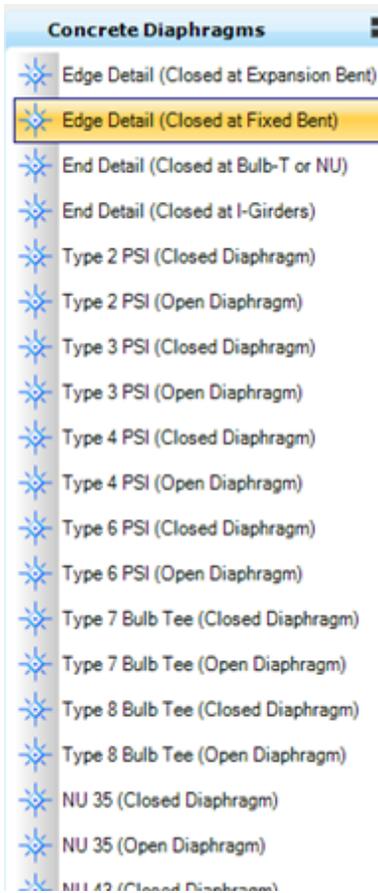
From: [Debra M. Beckwith](#)
To: [BR](#)
Subject: Bridge Advertisement (DSI 21-001) Concrete Diaphragms
Date: Friday, June 3, 2022 10:40:14 AM
Attachments: [image007.png](#)
[image008.png](#)
[image009.png](#)
[image002.png](#)
[image004.png](#)
[image006.png](#)

The [EPG](#) & [MicroStation Cells/Tasks](#) have been updated as described below:

Implementation Statement: Effective immediately for details not started.

(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
June 2022	EPG: 751.11.3.6 , 751.22.3.5 , 751.22.7-12, 751.31.4.4 & 751.32.3.4 (new) , 751.35.4.5 (new)	Revised girder chair details: Moved the 8" legs of the chair under the girder. Orient the 6" legs toward the center of intermediate bents. Revisions avoid an unnecessarily wide beam cap and allow a standard diaphragm configuration.
	Bridge Standard Drawings: NA	Clarified concrete diaphragm details in EPG: - Expanded concrete diaphragm details to incorporate larger girders. - Provide consistent details for end diaphragms at end bents and intermediate bents.
	MicroStation Cells:  New cells (gdrs/beams with coil ties for open and closed diaphragms)	- Removed web coil ties in bulb-tees and NU girders in line with recent change to standard drawings. - In the intermediate bent detailing articles of 751.31.4 & 751.32.3, added a link to 751.22.3.7.4 containing bent details required for closed concrete intermediate diaphragms.
	Std. Specifications: NA	- Moved integral end bent coil tie details to 751.35.4.5.
	Standard Plans: NA	 751.22.3.7-12 (marked-up copy of original)  751.33.3.7-11 (new version)
	Bridge Special Provisions: NA	Created new concrete diaphragm MicroStation task group: - Moved diaphragm end and edge detail cells from intermediate bent task group to this new task group. Added coil tie details for all girder types for use in section near diaphragm and section near integral end bent. <i>(See screenshots below)</i>



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.

Debra M. (Debbie) Beckwith

Structural Specialist – Development Section

Missouri Department of Transportation

Central Office – Bridge Division

105 W. Capitol Ave., P.O. Box 270, Jefferson City, MO 65102

573-522-8718

www.modot.org