





From: [Debra M. Beckwith](#)
To: [BR](#)
Subject: Bridge Advertisement (DSI 21-013) Anchor bolts, dowel bars, shear blocks
Date: Wednesday, May 18, 2022 8:04:41 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

The [EPG](#) & [Bridge Standard Drawings](#) 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 |
|--|--|--|
|  May 2022 | EPG:  751.9, 751.11 ,  751.21, 751.22 | <ul style="list-style-type: none">• Anchor bolt design requirements for bearing, dowel bar design and shear block design updated and revised in EPG 751.9.3, 751.11.2, & 751.11.3.5. These include provisions for LRFD design.• Bridge standard drawings – Bearings (BRG02, BRG03, BRG05, BRG07 thru BRG11): Updated swedge anchor bolt details.• Bolt properties added in EPG 751.11.2.1.• Maximum horizontal factored shear force reaction, FH for given anchor bolts and total thickness of bearing including steel shims provided for strength limit states and seismic details only for 1.5”, 2” and 2.5” diameter anchor bolts. This table replaces the Maximum Dead Load Reactions table which contained errors and was not applicable for bridges with expansion bearings.• Clarified that anchor bolts shall be designed for complete seismic analysis case and any centrifugal forces when applicable. |
| | Bridge Standard Drawings:  BRG02-11 | |
| | MicroStation Cells: NA | |
| | Std. Specifications: NA | |
| | Standard Plans: NA | |
| | Bridge Special Provisions: NA | |

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.

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