

TO: All Bridge Designers

FROM: David L. Eberhart, P.E.
State Bridge Engineer

CC: Chad Matty (Federal Highway Administration)

DATE: February 4, 2020

RE: ADOT Deck Joint Standard Drawings

Purpose

The purpose of this memorandum is to inform all designers that the new ADOT Standard Drawings for Deck Joints have been updated on the Bridge Group website. Also, the 1D sheet has been updated to reflect the changes to the SD 3 Deck Joints Standard Drawings.

Previous versions of SD 3.01, 3.02, and 3.03 will be archived, and relocated to Bridge Group's Historical Standards page:

<https://azdot.gov/business/engineering-and-construction/bridge/structure-detail-drawings/historical-standards>

Changes to SD 3.01 and SD 3.02 were minor with most of the changes occurring in the General Notes. The previous SD 3.03 version was used to adjust the strip seal deck joint at a raised pavement overlay.

The new SD 3.03 is now divided into 2 sheets showing notes and details for the new flangeless strip seal deck joint assembly. All new SD 3 Deck Joint Standard Drawings can be accessed using the following link:

<https://azdot.gov/business/engineering-and-construction/bridge/structure-detail-drawings/sd-3-deck-joints>

The use of the new Deck Joints Standard Drawings shall be as follows:

- SD 3.03 shall be mandatory joint type to be used in new bridge construction or for full replacement of existing deck joint assemblies.
- SD 3.01 shall be used for bridge deck widenings where the existing deck joint type is a compression seal, or for compression seal deck joint rehab projects.
- SD 3.02 shall be used for bridge deck widenings where the existing deck joint type is a strip seal, or for strip seal deck joint rehab projects.