

From: [Debra M. Beckwith](#)
To: [BR](#)
Subject: Bridge Advertisement (DSI 21-064) Sheared Edges for Fabricating Structural Steel
Date: Tuesday, January 24, 2023 7:35:36 AM

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

Implementation Statement: Spec is effective for April letting. EPG is 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
Jan. 2023	EPG: 751.14.3.4	<p>Sec 1080.3.3.5.6: Provision added to prevent the use of mechanical shearing in the fabrication of principal pieces as defined in sec 1080.2.9. Mechanical shearing can lead to distorted edges that if not treated by planing or other means can lead potentially to cracks or tear out near bolt holes. It's not typical practice for fabricators to use mechanical shearing for principal pieces but adding this provision will prevent any potential issues in particular with thin material that is not covered by the current specification.</p> <p>The revised specifications still require planing for sheared edges not to be welded and greater than 5/8 inch thick and carrying calculated stress. Sheared edges of thinner material, which typically see less distortion, are not subject to edge treatment. This provision hasn't changed except for the scope of applicable pieces.</p> <p>EPG 751.14.3.4: Guidance has been added to alert users of the wide flange splice tables. The splice tables were developed prior to the increase in k1 values for w-shapes so there can be a conflict between the inner plates and the web-to-flange fillet. Designers should check for this conflict before using the tabulated wide flange splice design.</p>
	Bridge Standard Drawings: NA	
	MicroStation Cells: NA	
	Std. Specifications: 1080.3.3.5.6	
	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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