Illinois Department of Transportation

Memorandum

To:	ALL BRIDGE DESIGNERS	15.7
From:	D. Carl Puzey	
Subject:	Increased Limits for Expansion Joints	
Date:	December 2, 2015	

Bridge expansion length limits for the expansion joint utilization have been increased to maximums of 305 ft. for the strip seal joint and approximately 1080 ft. for the 14 in. fingerplate joint for bridges with zero skew. This is a result of IDOT's newly adopted design temperature range of -20° F to 120° F, which more accurately reflects Illinois conditions and aligns with the thermal ranges given in Article 3.12.2 of the AASHTO LRFD Bridge Design Specifications (7th Ed.). See attachment for the Bridge Manual updated Figure 2.3.6.1.6-1.

Implementation

These revisions shall be effective with TS&L's approved after January 1, 2016. Please direct questions to Gary Kowalski of the Policies, Standards and Specifications Unit at (217) 785-2914.

Attachment

GMK/kktABD15.7expansionjoints-20151202

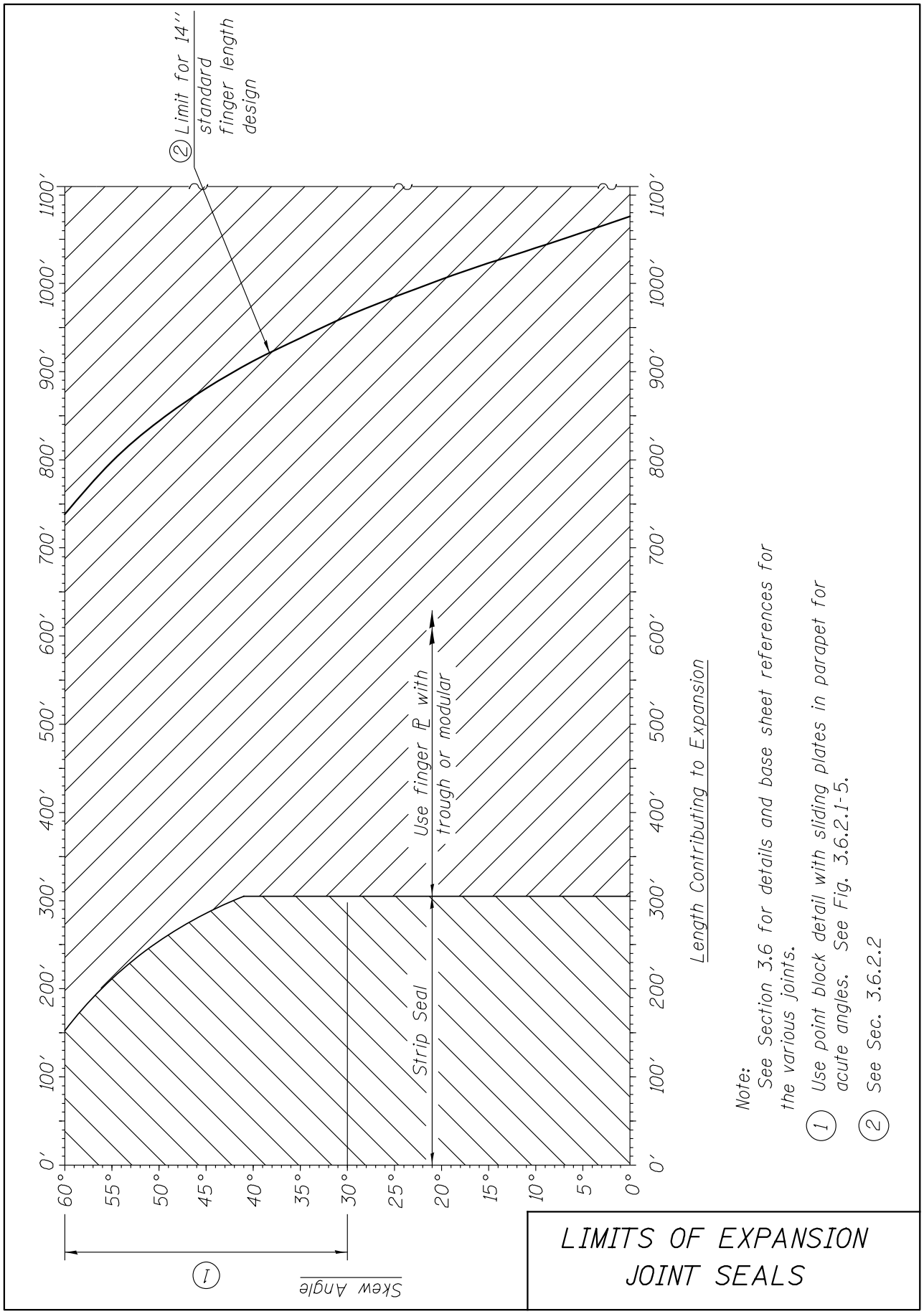

Figure 2.3.6.1.6-1