From:	Debra M. Butchart
То:	BR
Subject:	Bridge Advertisement (DSI 24-050) Optional Procedure for Bridge Column Buckling Design
Date:	Thursday, July 17, 2025 11:24:12 AM

The EPG has been updated as described below:

Implementation Statement: Effective immediately for design checks 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
<u>July 2025</u>	EPG:	A design procedure is included in EPG 751.31.2.4
	751.31.2.4	that allows for reduced k factors to be used in
	Bridge Standard	column buckling analysis calculations. The procedure
	Drawings:	is only applicable for column or pile bents that are
	NA	doweled into a superstructure diaphragm similar to
	MicroStation Cells:	our standard prestressed girder closed diaphragm
	NA	detail. The design procedure is optional, but can lead
	Std. Specifications:	to reduced column or pile sizes. The benefit is
	NA	expected to be most prominent in pile bents or
	Standard Plans:	smaller diameter column bents.
	NA	Note that a prerequisite for using the procedure is
	Bridge Special	that the dowel bars are fully developed into super
	Provisions:	and substructure. The recommended detail is similar
	NA	to the detail being implemented in DSI 24-007 for
		seismic detail bridges.

Follow links above for more information (internal only).

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