



# Illinois Department of Transportation Memorandum

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To: ALL BRIDGE DESIGNERS 14.1  
From: D. Carl Puzey *D. Carl Puzey*  
Subject: 42" F Shape Parapet  
Date: August 18, 2014

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The standard reinforcement details of the Department's 42" F Shape parapet have been revised to include improved anchorage details at all full depth free edges as detailed herein. A full depth free edge would include the termination ends of the parapet and both sides of all full depth joints. To accomplish this, 4 additional #5 d(E) bars shall be added at full depth parapet free edges between the already specified #5 d(E) bars at 11" centers, creating #5 d(E) bars at 5½" centers for approximately the first 4 feet of parapet.

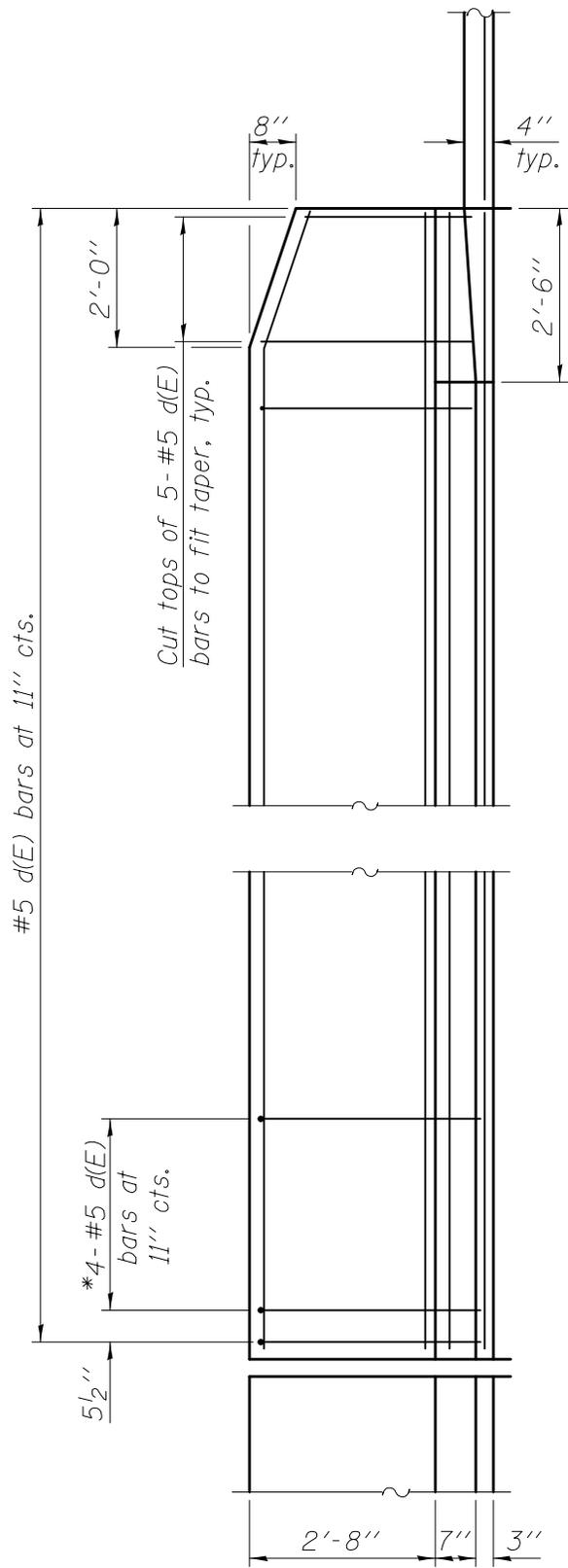
Also included in the detail are the dimensions for a taper at termination ends of the 42" F Shape parapet which is necessary to properly transition to most traffic barrier terminals. Note that due to the tighter spacing of the d(E) bars at termination ends, 5-d(E) bars will need to be cut to fit in the taper region.

These revisions are available in the Details Bridge Cell Library and shall be implemented beginning with the March 6, 2015 letting.

If you have any questions please contact Gary Kowalski at (217) 785-2914.

Attachment

KLR/kktABD14-1Fshapeparapet-20140812



\* Typical at parapet ends and each side of aluminum sheeted joints.

ADDITIONAL 42" F SHAPE PARAPET REINFORCEMENT AND TAPER DETAILS