



Illinois Department of Transportation

Memorandum

To: ALL BRIDGE DESIGNERS

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From: Jayme F. Schiff

Subject: Headed Reinforcement

Date: October 30, 2023

A handwritten signature in blue ink that reads "Jayme F. Schiff".

The Department uses threaded, headed reinforcement to develop reinforcement when proper development lengths or hooked bars are geometrically not feasible. Previously, the cost of the headed portion of the reinforcement bar was included with Reinforcement Bars, Epoxy coated as detailed on our base sheets. Without a separate pay item, it was difficult to identify, sample and test the headed reinforcement.

To remedy this, headed reinforcement will be paid for as Reinforcement Bars, Epoxy Coated and the heads will be paid for as Bar Terminators. A Qualified Product List (QPL) has been developed for bar terminators and added to the QPL – Reinforcing Bar Splicer Assemblies, Mechanical Splicers and Bar Terminators. Additionally, [Guide Bridge Special Provision \(GBSP\) #100 \(Bar Splicers, Headed Reinforcement\)](#) has been modified to include bar terminators. This special provision shall be included on applicable projects. The Superstructure CADD Libraries have been updated as well. Please be aware that all bar terminators, regardless of size, are included in one pay item which will be indicated on the Summary of Quantities and the Total Bill of Material. The total number of bar terminators and the bar size should be identified under each headed reinforcement bar detail.

The policies in this memorandum shall be implemented on applicable projects beginning with the March 8, 2024 letting. Please direct questions to Mark Shaffer, Bridge Design Engineer, by telephone at (217) 785-2914 or email at mark.shaffer@illinois.gov.