



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

BDE PROCEDURE MEMORANDUM

NUMBER: 21-05

SUBJECT: BDE Manual Revision – Chapter 53

DATE: August 16, 2021

Chapter 53 of the BDE Manual has been revised to update the HMA Mixture Requirements Table in Section 53-4.04(b). Please see the BDE Manual on the Department's website to view the revisions.

Background

The Bureau of Materials has developed a qualified product list for material transfer devices (MTD's) and also separated them into two Categories. Category I are the "standard" MTD's and Category II are the "lightweight" MTD's. To incorporate these changes, the BDE Special Provision, "Material Transfer Device (MTD)" is being revised for the January 2022 letting.

As part of revising the special provision, the fill-in the blanks which allowed the designer to designate which applications of HMA required the use of an MTD, are being removed. These fill-in blanks have prevented the special provision from being incorporated in the Standard Specifications which is the eventual goal. To take the place of these blanks, the HMA Mixture Requirements Table which is inserted into the contract plans is being revised to add a row for the MTD.

The HMA Mix Table is also being revised to remove the row for "Number of Roller Passes" which was related to the use of "intelligent compaction". Intelligent compaction was associated with the use of variable depth HMA leveling binder which was discontinued in late 2019.

The specific revisions to the Manual are as follows:

- Section 53-4.04(b). HMA Mixture Requirements Table: The list of guidelines for filling out the table was renumbered to correct an error. The last item in the list was changed from "Number of Roller Passes" to "Material Transfer Device".
- Figure 53-4.K HMA Mixture Requirements Table: The last row of the table was changed from "Number of Roller Passes" to "Material Transfer Device (Required?)".

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