




Illinois Department of Transportation

Memorandum

To: Regional Engineers
From: Jack A. Elston 
Subject: Special Provision for Blended Finely Divided Minerals
Date: January 8, 2021

This special provision was developed by the Central Bureau of Materials to allow blended finely divided minerals in concrete mixes according to ASTM C 1697 in an effort to expand options for procuring finely divided minerals.

This special provision should be inserted into contracts involving any type of concrete work. This includes, but is not limited to, cast-in-place, precast, soil modification, cement aggregate mixture (CAM) II, controlled low-strength material (CLSM), and cellular concrete.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 23, 2021 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory January 8, 2021.

80436m

BLENDED FINELY DIVIDED MINERALS (BDE)

Effective: April 1, 2021

Revise the second paragraph of Article 1010.01 of the Standard Specifications to read:

“Different sources or types of finely divided minerals shall not be mixed or used alternately in the same item of construction, except as a blended finely divided mineral product according to Article 1010.06.”

Add the following article to Section 1010 of the Standard Specifications:

“1010.06 Blended Finely Divided Minerals. Blended finely divided minerals shall be the product resulting from the blending or intergrinding of two or three finely divided minerals. Blended finely divided minerals shall be according to ASTM C 1697, except as follows.

- (a) Blending shall be accomplished by mechanically or pneumatically intermixing the constituent finely divided minerals into a uniform mixture that is then discharged into a silo for storage or tanker for transportation.
- (b) The blended finely divided mineral product will be classified according to its predominant constituent or the manufacturer’s designation and shall meet the chemical requirements of its classification. The other finely divided mineral constituent(s) will not be required to conform to their individual standards.”

80436