

SUDAS Revision Submittal Form

Status Date: As of 5/18/2023 **Topic:** SCM clarification
Manual: Specifications **Manual Location:** Section 7010, 2.02, C, 3

Requested Revision:

2.02 Concrete Mixes

C. Use of Fly Ash and Ground Granulated Blast Furnace Slag (GGBFS) as Supplementary Cementitious Materials:

1. Mix proportions for the various mixes using fly ash and GGBFS are included in Iowa DOT Materials I.M. 529. The maximum allowable fly ash substitution rate is 20%. Do not use a GGBFS substitution rate of more than 35% by weight (mass). The total supplementary cementitious material substitution rate is not to exceed 40%.
2. If C-SUD or CV-SUD mixes are specified, the maximum allowable Class F fly ash substitution rate is 25% and the maximum Class C fly ash substitution rate is 35%. The maximum combination rate is 20% Class C fly ash and 20% GGBFS.
3. When Type IP, **IT**, or IS cement is used in the concrete mixture, only fly ash substitution will be allowed. Between October 16 and March 15, ~~supplementary cementitious materials~~ **use of Type IL cement with fly ash and GGBFS or Type IP, IS, or IT cement with fly ash** will be allowed only when maturity method is used to determine time of opening. Transport, store, haul, and batch fly ash and GGBFS in such a manner to keep it dry.

Reason for Revision: Identified the combinations of cement types that can be used with fly ash and GGBFS.

Comments: None.

District: 1 2 3 4 5 6 **2/22/2023 Webinar**

Comments: None.

District: 1 2 3 4 5 6 **4/2023 Meetings**

Comments: None.

Action: Deferred Not Approved Approved

Final District Action Summary: All 6 districts approved.

Board of Directors Action: Approved.