

# EXPECTED IMPLEMENTATION JULY 2015

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**346 PORTLAND CEMENT CONCRETE.**  
**(REV 1-16-15) (FA 2-3-15) (7-15)**

SUBARTICLE 346-2.3(3) is deleted and the following substituted:

3. Precast Concrete - Ensure that the precast concrete has a maximum of 25% fly ash or a maximum of 70% slag. In extremely aggressive environments, ensure that the precast concrete has a minimum of 18% fly ash or a minimum of 50% slag.

For fly ash and slag (ternary blend), ensure that there is 10% to 20% fly ash, 50% to 60% slag by weight, and 30% portland cement by weight for mixes containing portland cement, fly ash and slag.

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SUBARTICLE 346-7.4 is deleted and the following substituted:

**346-7.4 Concreting in Cold Weather:** Do not mix or place concrete when the air temperature is below 40°F. Protect the fresh concrete from freezing in accordance with Section 400. The requirements of concreting in cold weather are not applicable to precast concrete mixing and placement operations occurring in a temperature controlled environment.

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