MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
REVISIONS TO STRUCTURAL PRESTRESSED CONCRETE CONSTRUCTION

STR:MJF 1 of 2 APPR:CRB:REL:03-17-25
FHWA:APPR:03-24-25

Add subsection 708.03.C.3.h to the section on page 7-94 of the Standard Specifications for Construction as follows:

h. Slump no greater than 9 inches if using a Type F or Type G polycarboxylate superplasticizer chemical admixture from the Qualified Products List.

Delete subsection 708.03.C.4.b page 7-96 of the Standard Specifications for Construction and replace with the following:

b. Testing and Acceptance. Conduct compressive strength tests in the Engineer's presence. Test specimens in accordance with ASTM C39/C39M, except test compressive strength-test specimens in a moist condition resulting from the required curing conditions.

Consecutively test a set of strength-test specimens obtained by taking one strength-test specimen from each sublot sample location to determine concrete strength. All strength-test specimens, except for one, must meet the specified concrete strength at release requirement and one specimen is permitted to meet or exceed 95 percent of the specified concrete strength at release requirement. If strength-test specimens do not meet the specified requirement, retest. Retesting consists of testing a set of strength-test specimens obtained by taking one strength-test specimen from each sublot sample location.

Alternate strength-test specimens must be tested before the end of the 28-day curing period. Consecutively test a set of strength-test specimens obtained by taking one strength-test specimen from each sublot sample location to determine concrete strength. Alternate strength-test specimen results will be accepted in place of the 28-day strength test results if alternate strength-test specimen results equal or exceed the specified 28-day concrete compressive strength.

If alternate strength-test specimen results do not meet or exceed the 28-day concrete compressive strength requirements, continue curing remaining 28-day strength-test specimens for the full 28-day period. Consecutively test a set of strength-test specimens obtained by taking one strength-test specimen from each sublot sample location.

Do not ship the prestressed element before strength-test specimen results equal or exceed the specified 28-day concrete compressive strength.

The 28-day concrete compressive strength must meet the following conditions:

i Average compressive strength, using one strength-test specimen from each sublot, must be equal to or greater than the required 28-day concrete compressive strength; and

ii All strength-test specimens, except for one, tested in subsection 708.03.C.4.b.i must meet the required 28-day concrete compressive strength. One strength test specimen is permitted to meet or exceed 90% of the required 28-day concrete compressive strength.