
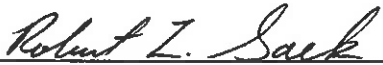


To: SUPERSEDED BY <u>EB 06-057</u> EFFECTIVE <u>5/3/07</u>		New York State Department of Transportation ENGINEERING INSTRUCTION	EI 03-004
Title: REVISIONS TO THE STANDARD SPECIFICATIONS- REFERENCES TO ASTM C109 (COMPRESSIVE STRENGTH OF HYDRAULIC CEMENT MORTARS)			
Distribution: <input checked="" type="checkbox"/> Manufacturers (18) <input type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Main Office (30) <input checked="" type="checkbox"/> Consultants (34) <input type="checkbox"/> Local Govt. (31) <input type="checkbox"/> Contractors (39) <input checked="" type="checkbox"/> Regions/Agencies (32) <input type="checkbox"/> _____ ()	Approved:  R. L. Sack, Deputy Chief Engineer Technical Services Division <div style="text-align: right;"> <u>7 APR 03</u> Date </div>		

ADMINISTRATIVE INFORMATION:

- Effective date: This EI is effective with projects submitted for the letting of 09/11/03.
- Superseded issuances: No issuances are superseded.
- Disposition of issued materials: The issued materials will be included in the next addendum to Volume III of the Standard Specifications of January 2, 2002.

PURPOSE:

This EI issues shelf notes, which revises ten sections in Volume III of the Standard Specifications of January 2, 2002 that reference ASTM C 109.

TECHNICAL INFORMATION:

The revisions are made to eliminate inconsistencies between Test Methods that the Department uses to evaluate cementitious products in the Laboratory. References to ASTM test methods are removed from Volume III of the Standard Specifications of January 2, 2002, and replaced with references to AASHTO and NYSDOT Test Methods. Implementation of this EI should not impact the cost of any project.

IMPLEMENTATION:

No special provisions are necessary for the immediate implementation of this EI. The shelf notes will be inserted into contract proposals by the Design Quality Assurance Bureau.

TRANSMITTED MATERIALS:

The shelf notes containing revisions to the Standard Specifications identified are attached.

BACKGROUND:

The issuance of EI 02-002 eliminated references to ASTM Specifications and replaced them with references to AASHTO Specifications. However, it has been discovered that certain unrevised Standard Specifications still contain references to ASTM *Testing Procedures* which refer to the ASTM *Specifications* that were eliminated in EI 02-002.

REFERENCES:

AASHTO M 85, AASHTO T 106, AASHTO M 302, AASHTO M 295, ASTM C 150, ASTM C 109, ASTM C 618, ASTM C 989, NYSDOT TM 712-01P, NYSDOT TM 721-04P.

CONTACT:

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Make the following changes to Volume III of the Standard Specifications of January 2, 2002:

Page 7-4, line 7; under item 701-03 BLENDED PORTLAND CEMENT - TABLE 701-2 PHYSICAL REQUIREMENTS - BLENDED PORTLAND CEMENTS, *after* "Compressive Strength"; *delete* "ASTM C 109" and *replace* with "AASHTO T 106".

Page 7-5, line 20; under item 701-05 CONCRETE GROUTING MATERIAL - MATERIAL REQUIREMENTS - *B. Compressive Strength*; *after* "Cubes cast in accordance with"...; *delete* "ASTM C 109" and *replace* with "AASHTO T 106".

Page 7-6, line 14; under item 701-06 CEMENT BASED GROUT MATERIALS FOR SHEAR KEYS - MATERIAL REQUIREMENTS - *A. Compressive Strength*; *after* "Three cubes shall be cast in accordance with" ...; *delete* "ASTM C 109" and *replace* with "AASHTO T 106".

Page 7-6, line 17; under item 701-06 CEMENT BASED GROUT MATERIALS FOR SHEAR KEYS - MATERIAL REQUIREMENTS - *B. Freeze Thaw (FT) Resistance*; *after* ... "for 7 days in accordance with"...; *delete* "ASTM C 109" and *replace* with "AASHTO T 106".

Page 7-8, line 10; under item 701-08 VERTICAL AND OVERHEAD PATCHING MATERIAL - MATERIAL REQUIREMENTS - *C. Freeze Thaw Resistance*; *delete* "A.S.T.M. C 109" and *replace* with "AASHTO T 106".

Page 7-127, line 7; under item 701-09 EMULSIFIED CARBON BLACK - GENERAL; *after* ... "shall conform to the requirements of"...; *delete* "ASTM C 109" and *replace* with "AASHTO T 106".

Page 7-127, line 29; under item 711-10 FLY ASH - MATERIAL REQUIREMENTS; *after* ... "listed in"...; *delete* "ASTM C 618" and *replace* with "AASHTO M 295".

Page 7-128, line 3; under item 711-10 FLYASH - MATERIAL REQUIREMENTS - *C. Inspection and Testing*; *after* ... "stipulated by"...; *delete* "ASTM C 618" and *replace* with "AASHTO M 295".

Page 7-128, line 5; under item 711-10 FLYASH - Special Note; *delete* the first sentence, and *replace* with "The Department will consider requests to evaluate alternate classes of fly ash, such as Class C or N".

Page 7-129, line 8; under item 711-12 GROUND GRANULATED BLAST FURNACE SLAG - MATERIAL REQUIREMENTS.; *after* ... "as described in"... *delete* "ASTM C 989" and *replace* with "AASHTO M 302".

Page 7-129, line 26 and 27; under item 711-12 GROUND GRANULATED BLAST FURNACE SLAG - INSPECTION AND TESTING.; *after* ... "stipulated by"...; *delete* "ASTM C 989" and *replace* with "AASHTO M 302".

Page 7-129, line 36; under 712-01 WATER - MATERIAL REQUIREMENTS.; *after* ... "indicated in Table 712-1, Water."... *add* " NYSDOT Test Method No. 712-01P shall apply to all Physical tests."

Page 7-130, under 712-01 WATER Table 712-1; **After** "Air Content of Mortar", **delete** "ASTM C185". **After** "Soundness", **delete** "ASTM C 151". **After** "Compressive Strength", **delete** "ASTM C 109". **After** "Vicat Test", **delete** "ASTM C 191".

Page 7-209, line 25; under item 721-01 EPOXY RESIN SYSTEM- Table 721-01-2; after "Compressive Strength, Mpa; **delete** "ASTM C109" and **replace** with "AASHTO T 106". **After** "Tensile Splitting Strength, MPa"; **delete** "ASTM C 109" and **replace** with "NYSDOT TM 721-04 P".

Page 7-213, line 22; under 721-05 EPOXY REPAIR PASTE - MATERIAL REQUIREMENTS - Table 721-05-1, **after** "Compressive Strength¹, Mpa"; **delete** "ASTM C 109" and **replace** with "AASHTO T 106".