



INDIANA DEPARTMENT OF TRANSPORTATION

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Eric Holcomb, Governor
Michael Smith, Commissioner

March 25, 2024

MEMORANDUM **(Revised)**

TO: Management Representatives
Certified Aggregate Producers
Trial Phase Producers
Coordinated Testing Phase Producers

FROM: Jim Reilman, PE
State Materials Engineer *Jim Reilman*
3/25/24

SUBJ: Certified Aggregate Producer Program -- 2024

Included below are several items pertaining to the Certified Aggregate Producer Program and Standard Specifications for 2024.

CAPP DOCUMENT LIST (3/19/2024) (see attachment)

STANDARD SPECIFICATION

207.02: Subgrade section "Concrete pavement processed into coarse aggregate-sized particles shall not be used in any subgrade treatment type."

Lightweight concrete provision. All or part of coarse aggregate replaced with lightweight aggregate (expanded clay, shale, or slate; AASHTO M 195) size 91.

TEST METHODS

The following revisions to the **AASHTO** and **ITM** test methods have been made for 2024:

AASHTO R 76

- Section 4.2 and 5.1. Verbal restructuring to make it easier to read. No procedural change.
- Section 5.2 and 5.3. Added Section numbers for each referenced Method.
- Section 6.1. Simplified to state obtain in accordance with R 90 or as required by individual test methods.
- Section 7.1 and 7.2. Reference a new picture, Figure 2.
- Section 9. Many items were added under Apparatus.
- Section 10. Procedural changes to the Quartering method
- Section 11. Apparatus changes to Method C- Miniature Stockpile Sampling. It states, Straightedge, flat bottom scoop, square point shovel.
- Section 12. Method C – Miniature Stockpile Sampling, Procedure is divided into separate section and the word apex is replaced with top.
- Section 13. Minor changes to the Keywords.

AASHTO T 11

- Section 1.2. Reference to T 30 for aggregates extracted from asphalt samples.
- Section 2.1. Referenced Documents added T 30
- Section 2.2. Referenced Documents added ASTM C117.
- Section 5.4. Apparatus. Spoon or Mixing Utensil added.
- Section 5.6. The Wetting Agent states Method B only and better defines the acceptable products.
- Section 8.3, 8.4, 8.5 and 9.2. Procedure. Several changes to this section including, do not overload or overflow the #200 sieve, limiting mechanical washing to 10 minutes and excess water should be evaporated through drying.
- Section 12. Precision/Bias. Materials Reference Laboratory replaced with resource.

AASHTO T 27

- Section 1.2 Scope. Added, Analysis of aggregate extracted from asphalt samples will be tested in accordance with T 30
- Section 2.1. Referenced Documents. Added T 30
- Section 3. Terminology, Section removed resulting in several numerical changes through the test method.
- Section 5.2. Apparatus. Note 1 changed Section from 8.3 to 7.3
- Section 6. Sampling. Numerical change from Section 7 to Section 6.
- Section 6.4 Sampling. Note #5 added, if sample was tested and washed according to T 11 prior to sieve analysis by this test method, it's acceptable for the sample mass to be less than the minimum required mass after washing as long as the minimum sample mass is met prior to washing.
- Section 7. Procedure. Numerical change from Section 8 to Section 7.
- Section 7.2. If sample was washed in accordance with T 11, the #200 sieve shall be included in the sieve set.
- Section 8 and 10 numerically changed due to Section 3 deletion. No procedure change.

AASHTO T 112

- Section 5.3 Sampling. For fine aggregate, only the material coarser than the 1.18 mm (No 16) sieve shall be tested. This is a change from the previous 2.00 mm (No 10) sieve.
- Section 6.2. Procedure. Added a new Note #4 regarding reduced sample sizes in Table 2.
- Section 6.4.2. Table 3 revised to show new sieve size for final size of material smaller than 4.75.

ITM 207

- Section 6.3. Added guidelines for the strike off sampling method.

ITM 210

- Section 8.3. Cement was changed to Type IL in accordance with AASHTO T 240 source No. W028369
- Section 8.4. Air Entrainment Admixture shall be Vinsol resin-based product

Please e-mail your receipt of this document to MEhrhart@indot.in.gov. Please keep us informed of any changes to the designated Management Representative for your source, including current email address and telephone number.

Attachment: 3/19/24 CAPP Document List

cc: District Testing Engineers
M. Ehrhart
IMAA: C. Lee, K. Allison

DOCUMENT LIST
CERTIFIED AGGREGATE PRODUCER PROGRAM

3/19/24

1. Standard Specifications
Current Supplemental Specs. -- Sections 211, 301, 302, 303, 904, and 917
2. ITM 211 -- Indiana Department of Transportation Certified Aggregate Producer Program
(05/06/21)
3. Indiana Quality Assurance Certified Aggregate Technician Manual for Producer
Technicians (September 2022)
4. Current INDOT, AASHTO and ASTM Test Method (Attached List)

Note: All documents may be maintained electronically or by hard copies.

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TEST METHODS

Indiana Test Methods (ITM)

202-15T	Acid Insoluble Content of Fine Aggregates (6/16/15)
203-21P	Control Procedures for Classification of Aggregates (05/06/21)
205-17T	Acceptance Procedures for Dolomite Aggregates (5/09/17)
206-15T	Scratch Hardness of Coarse Aggregate Particles (6/16/15)
207-23T	Sampling Stockpiled Aggregates (12/18/23)
209-15T	Soundness of Aggregates by Freezing and Thawing in a Brine Solution (6/16/15)
210-23T	Class AP Coarse Aggregate for Concrete Pavement and Slab-on-Grade Concrete. (08/10/23)
211-21	Indiana Department of Transportation Certified Aggregate Producer Program (05/06/21)
212-19T	Acceptance Procedures of Air Cooled Blast Furnace Slag for Leachate Determination (8/01/19)
219-22T	Acceptance Procedures of Steel Furnace Slag for Deleterious Materials (07/14/2022)
222-15T	Specific Gravity Factor and Absorption of Lightweight Fine Aggregate (11/12/15)
224-21T	Flakiness Index of Aggregates (11/12/21)
902-22T	Verifying Sieves (02/10/2022)
906-17T	Verifying Mechanical Shakers (05/09/17)
910-22T	Verifying Balances (04/11/22)

AASHTO and ASTM Test Methods

AASHTO R 76-23	Reducing Field Samples of Aggregate to Testing Size
AASHTO R 90-18	Sampling Aggregate Products
AASHTO T 11-23	Materials Finer Than 75 μm (No. 200) Sieve in Mineral Aggregates by Washing
AASHTO T 27-23	Sieve Analysis of Fine and Coarse Aggregates
AASHTO T 84-22	Specific Gravity and Absorption of Fine Aggregate
AASHTO T 85-22	Specific Gravity and Absorption of Coarse Aggregate
AASHTO T 112-23	Clay Lumps and Friable Particles in Aggregate
AASHTO T 113-22	Standard Method of Test for Lightweight Pieces in Aggregate
ASTM D4791-19	Flat or Elongated Particles in Coarse Aggregate
ASTM D5821-13	Determining the Percentage of Fractured Particles in Coarse Aggregate