

INDOT Regional Meetings

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Updates

- Specification Changes
- Indiana Test Methods (ITMs) Changes
- Directives
- Other Topics
 - Qualified vs Certified
 - 2023 Common Corrective Actions for Audits

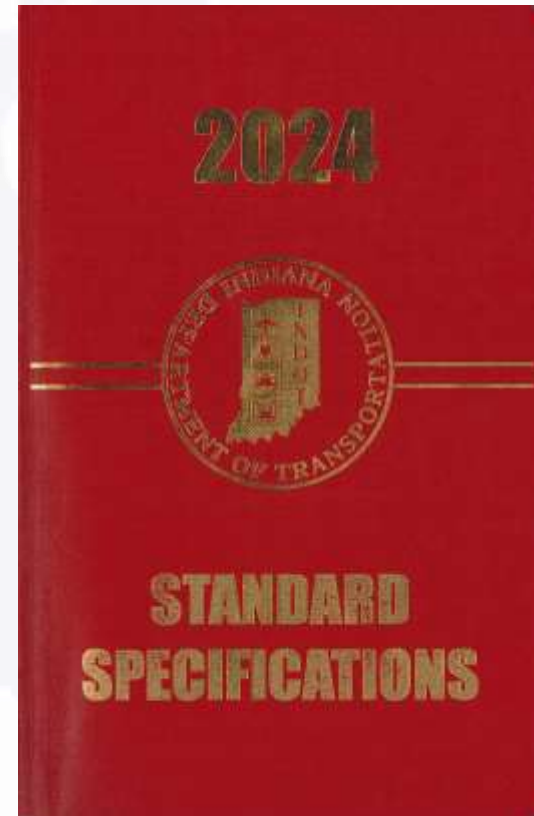


Specification Changes

- 2024 edition of the *Standard Specifications* has been published.
 - Effective with contracts let between September 1, 2023 and August 31, 2025.
 - Available online at:

<https://www.in.gov/dot/div/contracts/standards/book/sep23/sep.htm>

- Or hardcopy may be available from either ICI or ACEC.



Specification Changes

- Structure Backfill size No. 4 **no longer acceptable** as type 3 backfill; **AASHTO 57 is acceptable**, effective 9/1/23 (with the 2024 spec book)
- Statement added to the 207 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.

Indiana Test Method (ITM) Changes

- ITM 207 – Sampling Stockpiled Aggregates
 - There are now two methods.
 - 1) Sampling from the center of the small stockpile (current method in ITM 207 – NO Strikeoff)
 - 2) The Strikeoff Method. (ITM 207 additions as follows)

Indiana Test Method (ITM) Changes

6.3 Coarse and Fine Aggregate Strike-off Acceptance.

6.3.1 Follow 6.1.1 and 6.1.2 Stockpile Rolling Procedures to create the sample pile.

6.3.1.1 The front-end loader shall reach across the small portion of the pile with the front-end loader bucket to drag the material across to create a flat surface not less than 1 foot thick per AASHTO R90. The loader operator shall not drive up onto the sample pile at any time.

6.3.1.2 Sample in an X formation on the entire flat surface. The sample shall still have a minimum of six shovelfuls of material. A square bit shovel or fire shovel shall be used.

6.3.1.3 Identify in the Source Quality Control Plan which specific products the Strike-off method is to be used.

Indiana Test Method (ITM) Changes

- ITM 210 – Class AP Coarse Aggregate
- Updates to cement type and air entraining admixture

8.3 Cement. The cement will be Type **IL** cement in accordance with AASHTO M240 from Source No. **W028369**.

8.4 Air Entraining Admixtures. The air entraining admixture shall be a **Vinsol resin-based product and** in accordance with AASHTO M 154.

Indiana Test Method (ITM) Changes

- ITM 226 – Material Requirements for Coarse Aggregates used in Concrete
- Adjusted fine aggregate limits for mixes NOT using the Tarantula Curve

6.4 Fine Aggregate Limits for Mixes not using 6.2 above

6.4.1 For normal weight concrete the fine aggregate shall be no less than 40% nor more than 45% of the total weight of aggregates used, except the limit may be increased to 50% when slag coarse aggregate is used. The aggregates shall be proportioned to use the maximum amount of coarse aggregate which produces a workable mix. For lightweight concrete, the fine aggregate proportioning limits will not apply.

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Directives

- Directive 203 – Dolomite Aggregates
 - Provided some clarification when elemental Mg content is less than 10.3 percent.

The elemental magnesium content of an acceptance sample will be 10.3 percent or greater for 100 percent payment. When the elemental magnesium content is less than 10.3 percent, the sample will represent one week of HMA production for any DMF using the dolomite stockpile in question. An adjustment quantity will be calculated using the following equation:

$$Q = 0.3 \times A \times U \times D \times (10.3 - M)$$

Directives

- Directive 203 (continued) – Dolomite Aggregates
 - Provided an example calculation.
 - Provided editorial updates to consequences for not meeting 10.3 percent elemental Mg requirement.

If the source cannot produce materials meeting the 10.3 % elemental magnesium requirement, the source will be removed from the QPL of dolomite aggregates. A source will not be reinstated on the QPL of dolomite aggregates until the capability to consistently produce dolomite with 10.3 % or more elemental magnesium is clearly demonstrated.

Other Topics

- District Geologists (Some New Faces)

LaPorte District Geologist –
Rachel Drapeau

NEW

Fort Wayne District Geologist –
Kenneth Ray

Crawfordsville District Geologist –
Amanda Duchek

Greenfield District Geologist –
Aaron Aldred

NEW

Vincennes District Geologist –
Ryan Young

Seymour District Geologist –
Chris Bell

Other Topics

- Qualified vs Certified

- This year we have seen several producers and technicians struggle with the concepts of certified and qualified
- **ONLY** Qualified technicians can perform required tests.
- **ONLY** Certified technicians can sign off CAPP related documents

- These next few slides will discuss on what is Qualified and Certified
- And how to stay Certified and Qualified

Other Topics

- **Qualified**

- In 2018, Independent Assurance Program changed changes can be found in Directive 107
- Written examinations do not “expire”
- Certified Aggregate and Certified Asphalt technicians are not exempted from the written examinations

- Qualified on February 24, 2024, expires on February 24, 2026
- Qualified on August 19, 2024, expires on August 19, 2027?

- The new two-year Qualification is handled as:
 - Qualification periods from **January 1st to June 30th** of same calendar year will expire on January 1st that is 2 years from the qualification start date
 - Ex: Qualified on February 24, 2024, expires on January 1, 2026
 - Qualifications periods from **July 1st to December 31st** of the same calendar year will expire that is 3 years from the qualification start date.
 - Qualified on August 19, 2024, expires on January 1, 2027.

Other Topics

- **Certified**

- In 2019, Certified Aggregate Producer Program Policies and Procedures changed, can be found in Testing Memorandum 19-02 on June 12, 2019.

- To stay certified, Technicians need to:

- Attend the Spring Regional Meeting
- Or watch the video and pass the short quiz about topics covered in the video.

- Always update your contact info! That way we can let you know when the meetings are. Especially if you leave a company.

Other Topics

- Why are we discussing Certified and Qualified?
- During the audits this year, Technicians did not realize that their qualifications have lapsed
- Many excuses were that the technician did not know their expiration date.
- Or technicians looked at the Certified Technician List which shows that the technician is qualified
- Qualified portion of the CAPP Technician List is NOT ACCURATE!!!
 - INDOT is working on how to make the list accurate

Other Topics

- How do we solve these issues?
- Ask for your sheet from the IAs to get your deadline
- Contact your District Geologist to see if they can help you.
- During Audits, you can ask. There is a portion of the audit that asks if there the technicians are qualified
- The CAPP Technician List is not accurate on the qualified part. Do not rely on it.

Other Topics

- What is the Certified Technician List?
- Certified Technician List shows that the person is certified
 - It also shows that the tech is qualified, but it is not accurate
- CAPP Technician List can be found on <https://www.in.gov/indot/doing-business-with-indot/contractorsconstruction/division-of-materials-and-tests/>
- The CAPP Technician List will be updated after compiling after January 1st CAPP Exam Results are in and after Spring Regional Meetings in July
- If you see something wrong with CAPP Technician list, feel free to contact me.

Other Topics

- Audits Corrective Actions Review
 - M&T has compiled the corrective actions from all the 2023 districts audits.
 - This overview will help INDOT, and producers identify the common issues across the board

- Total Corrective Actions: 223
- No Corrective Actions: 65 sources
- This does not include the observations during the audit

Other Topics

- Most Common Corrective Actions:
- Test dates on charts do not match test reports: 24 (combined sections)
- Current Test Methods: 18
- Spec limits incorrect: 12 (combined sections)
- Gradations not within spec limits: 11
- Missing calibrations for weights: 11
- Key Personnel information incorrect: 10
- Gradations not within control limits: 10
- Decant out of spec: 2
- Shakers not verified properly: 10
- Compliance Rate and Standard Deviation out of spec: 6
- Mining area not in diary: 5

Other Topics

- How do we solve these Corrective Actions?
- Review your previous year audits. Audit yourself.
- Make sure you have your correct paperwork for verifications, make sure your weights are calibrated every year and not every two years
- Use your addenda to update your QCP for information
- Management Rep Letter:
 - It has all the updated ITMs, AASHTOs, and ASTMs
 - The new letter will be coming out soon!
- If you have questions, ask! The District Geologists will help you! The INDOT Statewide Geologist will help you!

Thank You