

Specification Updates

- September 2022
 - Minor clarification added to 904.04(f) Riprap.

(f) Sizes of Riprap

Gradation Requirements						
Percent Smaller						
Size, in.	Revetment	Class 1	Class 2	Uniform A	Uniform B	
30			100			
24		100	85 - 100			
18	100	85 - 100	60 - 80			
12	90 - 100	35 - 50	20 - 40			
8				100		
6	20 - 40	10 - 30	0 - 20	35 - 80	95 - 100	
3	0 - 10	0 - 10	0 - 10		35 - 80	
1				0 - 20	0 - 20	
Depth of Riprap, min.	18 in.	24 in.	30 in.			



Specification Updates - 904.04(f) Riprap



The maximum dimension of individual pieces shall not be greater than three times the minimum dimension and no dimension shall exceed the maximum size listed for the respective size of riprap. The riprap will be visually inspected for size, shape, and consistency.

Specification Updates

- November 2022
 - No. 53 Dense Graded Coarse Aggregate
 - Adjusted allowable upper limit passing the No. 200 sieve from 10% to 13%.
 - After months of discussion between IMAA and INDOT.
 - Deemed easier to produce and compact
 - Effective for use beginning with June 2023 lettings (Testing Memo 22-03 allows its use on active contracts)

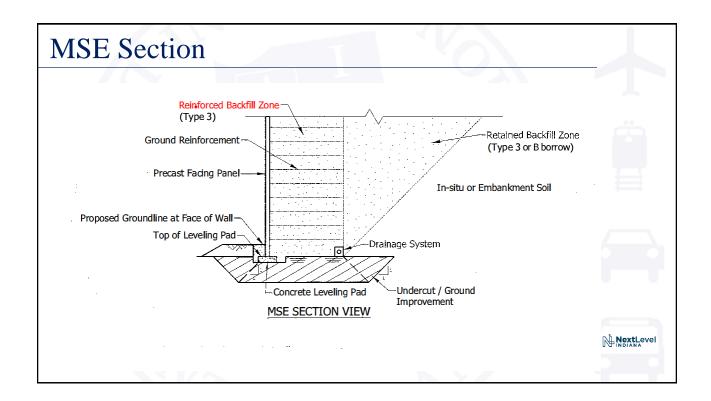


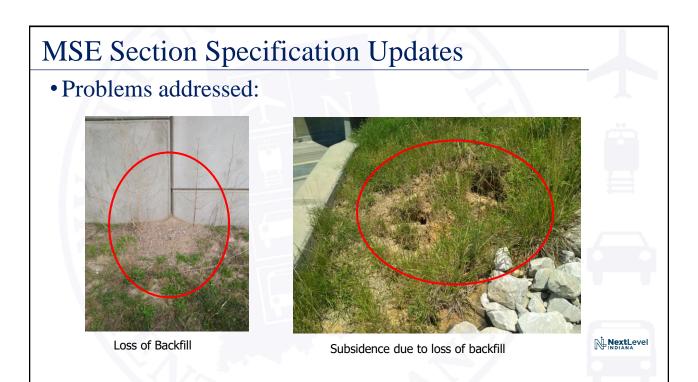
Specification Updates Dense Gr Sieve Sizes 53(1) Change is on 4 in. (100 mm) 3 1/2 in. (90 mm) No. 200 sieve 2 1/2 in. (63 mm) 2 in. (50 mm) 1 1/2 in. (37.5 mm) 100 1 in. (25 mm) 80 - 100 3/4 in. (19 mm) 70 - 90 1/2 in. (12.5 mm) 55 - 80 3/8 in. (9.5 mm) No. 4 (4.75 mm) 35 - 60 No. 8 (2.36 mm) 25 - 50 No. 16 (1.18 mm) 12 - 30 No. 30 (600 µm) No. 200 (75 μm)⁽²⁾ 1013.0⁽⁴⁾ Decant (PCC)(3) Decant (Non-PCC Decant (SC) NextLevel

Specification Updates

- January 2023
 - Structure Backfill Type 3 (MSE Walls) Changes
 - Effective with September 1, 2023 contracts (the 2024 spec book)
 - No. 4 structure backfill NO LONGER ALLOWED in the REINFORCED ZONE
 - (this is NOT retroactive and does not apply to contracts let before September 1, 2023.)
 - Allowable Materials: structure backfill nominal size 1 in. or 1/2 in., or coarse aggregate Nos. 5, 8, 9, 11, 12, or AASHTO No. 57.









Indiana Test Method (ITM) Updates

- ITM 210 Class AP Coarse Aggregate
- ITM 219 Acceptance Procedures of Steel Furnace Slag for Deleterious Materials



Indiana Test Method (ITM) Updates

- ITM 210
 - Added gradation table for when maximum particle size is 1-1/2 in. in the preparation of test sample section.
 - (The gradation table remained the same when the maximum particle size is 1 in.)



Indiana Test Method (ITM) Updates

• ITM 210

8.1 Coarse Aggregate. The sample shall be separated into the required sieve sizes in accordance with AASHTO T 27. Depending on the maximum particle size of the material, the quantity from each sieve size shall be recombined to obtain the following gradation:

Maximum particle size of 1-1/2 inch.

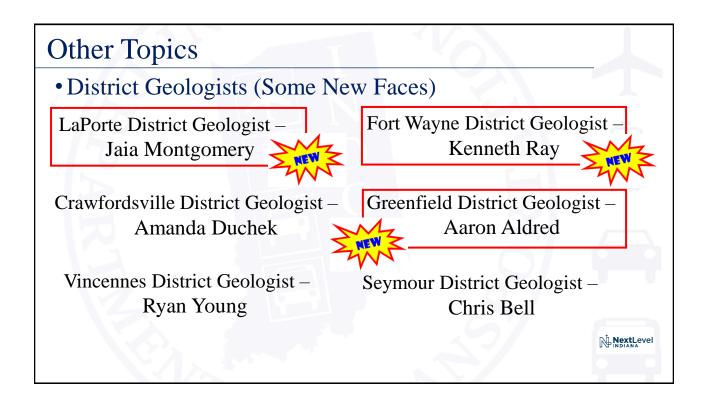
Sieve Size	Percent Passing
1-1/2 in.	100
1 in.	<mark>95</mark>
3/4 in.	<mark>70</mark>
1/2 in.	<mark>45</mark>
3/8 in.	20
No. 4	0

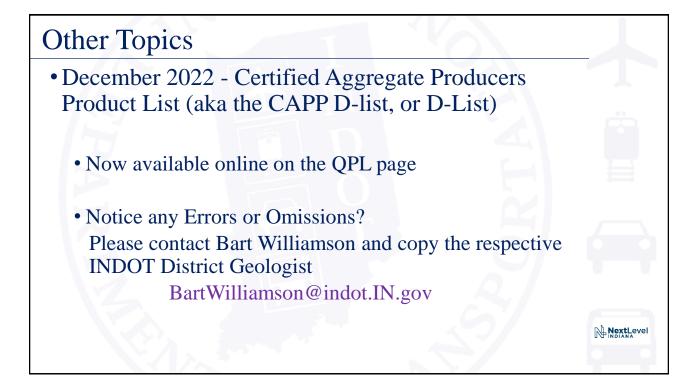


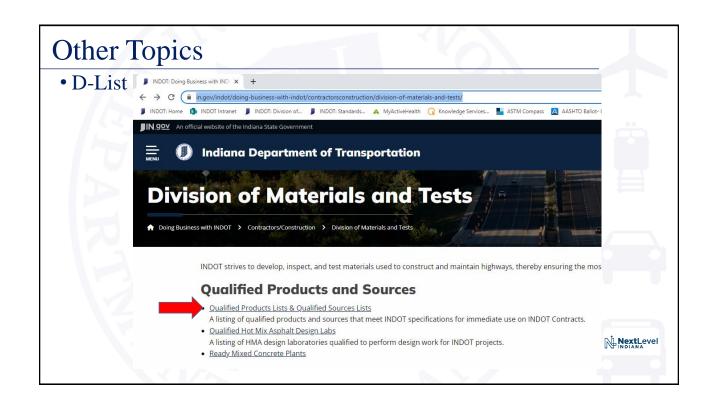
Indiana Test Method (ITM) Updates

- ITM 219
 - Added/clarified language in the Sample Preparation section regarding how the sample is to be reduced to the testing size.
- 9.1 Reduce the sample in accordance with AASHTO R 76-16 (Standard Practice for Reducing Samples of Aggregate to Testing Size) to a sample size of 1500 ± 50g and decant the sample in accordance with AASHTO T 11.

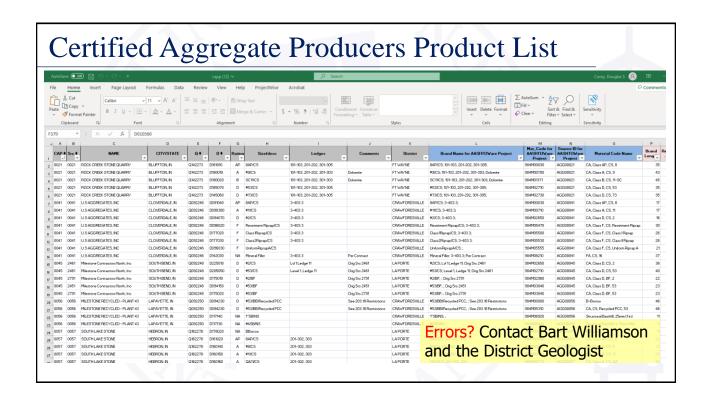














New Sum Qual Format INDIANA DEPARTMENT OF TRANSPORTATION DIVISION OF MATERIALS AND TESTS SUMMARY OF PRODUCTION QUALITY RESULTS SOURCE ROCKY START 120 ROCKY ROAD

O012345 1234 TARANTULA, IN.

JANUARY 4 2023

WEAR PCT LOSS PCT DATE SAMPLED SIZE NUMBER LEDGES 1-10

THESE RESULTS INDICATE PASSING RESULTS FOR THE SPECIFIC PRODUCTS AT THE QUALITY CLASSIFICATION SHOWN AT THE TIME THE SAMPLES WERE TAKEN. PASSING RESULTS FROM PHYSICAL QUALITY TESTS, IN ACCORDANCE WITH INDOT STANDARD SPECIFICATIONS 90-02 AND 90-03(A), ARE REQUIRED PER FREQUENCY FOR SAMPLING AND TESTING POUNCE PRODUCTION QUALITIES AS OUTLINED IN TIM 203 TABLE IL THE SOURCE IS RESPONSIBLE FOR PRODUCTION THESE PRODUCTS IN ACCORDANCE WITH INDIDATA TEST METHODS, THE OCP. AND THE STANDARD SPECIFICATIONS IN THE INTERIM BETWEEN QUALITY SAMPLES. PLEASE KEEP THIS LETTER AND ATTACHED RESULTS ON FILE AT YOUR SOURCE.

(2022 - present format)







(2018-2022 format)

The average of the test results for the three beams <u>indicate</u> the percentage of change was -0.008.

In accordance with the below noted retest criteria, the subject material meets the requirements for all concrete slab-on-grade applications. RESAMPLING WILL BE PERFORMED ON OR BEFORE 10/28/023.

cordance with section 2.0 of Indiana Test Method 210, we are in receipt of the Product of Plan for implementation of this procedure. Any deviation from the Production Con shall be cause for reclassification of the material back to a Class A rating.

If your aggregate is classified as an AP material, the following items are required to be addressed in your CAPP Quality Control Plan:

- Stockpiles of AP approved materials are required to be separated from other materials. AP 8's should be separated by another grade of material to prevent
- The AP stockpile must be readily identifiable by a sign. In the case of crushed stone, the contributing ledges must be kept for easy reference.
- AP aggregate delivered to concrete plants must be so identified on the aggregate weigh ticket.

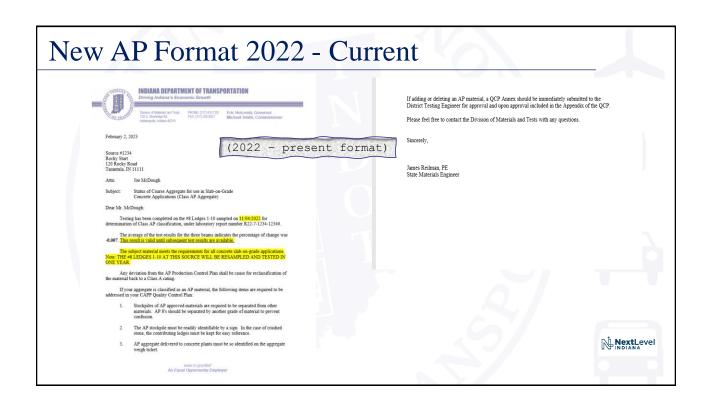
If adding or deleting an AP material, a QCP Annex should be immediately submitted to the District Materials and Tests Engineer for approval and upon approval included in the Appendix

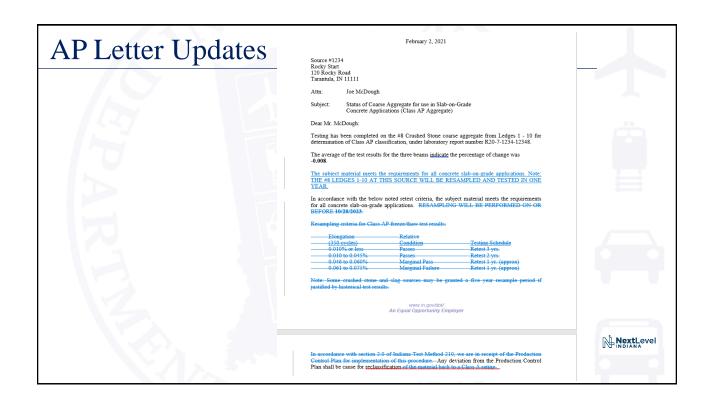
Please contact the Division of Materials & Tests with any questions.

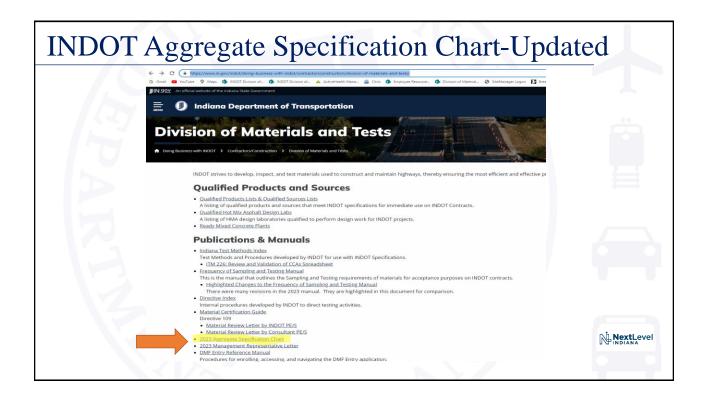
Sincerely

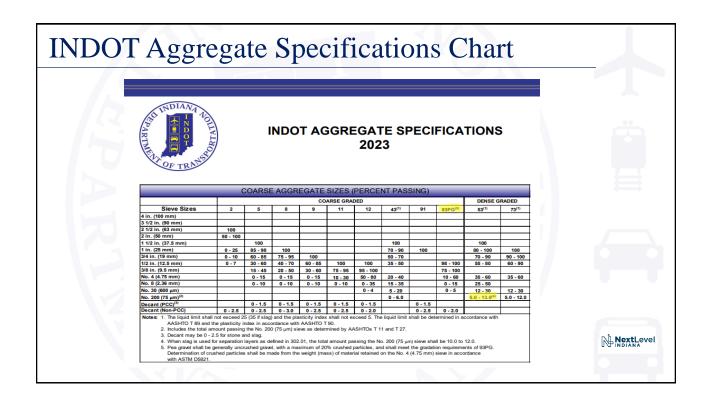
James Reilman State Materials Engineer











IN GovDelivery

- Sign up for emails from Materials & Tests!
- There is Aggregate, Asphalt, and Concrete
- There will be only a few emails per year from the INDOT Aggregate Group.
 - Topics for example:
 - Updates to the Certified Aggregate Producer Program,
 - Any specification updates,
 - and Management Letter
- https://public.govdelivery.com/accounts/INDOT/subscriber/new



