

## INDOT Preseason Industry Update Webinar

April 8, 2021

### Question & Answer

#### Aggregate Session:

- **In regards to Optimized Concrete Aggregates, will Class AP Coarse Aggregate still be required in PCCP?**
  - Class AP Coarse Aggregate will be required in all the same applications as before. At this time, the test procedure will not change, either. The coarse aggregate being sampled for AP testing will be the approved Concrete Coarse Aggregate.
- **With problems finishing optimized concrete, would E5 benefit finishing? How about Carbon Cure?**
  - Optimized concrete is easier to finish than non-optimized concrete, this is one of the benefits. E5 is an admixture that also benefits finishing, among other things. Carbon Cure is a process that adds carbon dioxide to plastic concrete. The process is still being evaluated by INDOT.
- **Will #8 still be required for underdrains, PCCP subbase, drainage backfill, etc., or is this gradation going to be phased out completely?**
  - At this point, the specs have not changed on this. However, we will address this within the spec in the coming year. There does not appear to be any reason why we would not allow the alternate materials for these applications of 8s as well.
- **Why is the 200 sieve needed when there is already a spec (T11) for decant?**
  - This will be addressed in the near future.
- **Will producers be given the spread sheet to plug gradations into to check if their product fits into the curve?**
  - Yes, this will be made available on the INDOT website.
- **Why would concrete producers not be responsible for ensuring the combined gradation of the aggregates they are blending into concrete mixtures during production to ensure the gradation of the mixture being produced is optimized?**
  - Concrete producers will be responsible for ensuring the combined gradation on each CMDS, this was also a part of the new spec changes.
- **Will HMA be required to use these optimized 8s or is this strictly for concrete?**
  - HMA can utilize the new optimized gradations.
- **Will you ever consider changing aggregate name to match surrounding states for example 8's to a 57's?**
  - We considered looking at the 57 gradation (and all of the other ASTM/AASHTO standard gradations). However, a 57 gradation would not solve our problems with optimized concrete aggregates. The new gradations will not necessarily be a 57, so we stayed away from that designation to avoid confusion. If your concrete aggregate gradation

meets a 57, there is nothing stopping you from calling it a “57 CCA” or something similar.

#### **Asphalt Session:**

- **Will INDOT get away from outsourcing hma plate testing?**
  - The program has been working well in the 3+ years since inception. There were some early growing pains, but most of those have been ironed out. INDOT is currently in the evaluation stage for what to do when the consultant contracts expire at the end of 2021.
- **If an auto extractor is used, will the sample size required for 25mm mixes be reduced to accommodate the limits for the auto extractors recommended size limits?**
  - The minimum sample sizes contained in ITM 571 still govern. It was not believed the sample size would cause an issue.
- **Is a patch being developed for HMA Pay Wizard to better accommodate missing plate samples/sublots?**
  - Yes. It will hopefully be released this paving season.
- **With recent increases in binder contents and density with S5, is Is Indot considering evaluation of the need for the surface applied liquid asphalt sealant? Could it be eliminated entirely?**
  - Although binder contents have increased in recent years and S5 should create better density at the joints, joints are still an area of concern. It is still the intention to seal joints in some fashion.
- **How soon will INDOT be considering an alternative joint seal to SS-1h, e.g. RPE? Is this a longer term project?**
  - Field evaluation is underway to evaluate pavement markings after weathering and snow plows. It may be a year or two before a final decision is made on its implementation.
- **Can RPE be applied after pavement markings?**
  - No, unless the pavement markings are covered or protected in some way. It is my understanding that it will cover and mask the pavement markings.