## Agenda for July 18, 2022 HMA Tech Team

TEAMS Virtual Meeting 8:00 - 11:00 am Full Meeting

- A. Minutes, from previous meeting
- B. Roll, members & visitors
  - a. Devin Herings replaces Amber Bever.
  - b. Justin Kutschenreuter moved to SWR.
  - c. Erin Ferg Left MCC.
- C. Outside Committee Reports
  - a. Aggregate Tech Team (Erik L)
  - b. IRI Team (Deb B)
    - i. Industry would like to have an IRI meeting this year.
  - c. Atwoods/AASHTOWare Team (Deb B/Erik L)
- D. Research Reports (Tirupan)
  - a. Project update: ME design report is out and published on WHRP website. Interlayer project is being extended for another 3 months for IDCT low temp. The material is still being sampled for the BMD pilot shadow project.
- E. Subcommittee Reports
  - a. Density Subcommittee (Mike B left)
    - i. Replacement to be named
      - 1. Use Mike's old cell phone number
  - b. Specification Subcommittee (Steve H.)
    - i. ASHTOWare compatibility
      - 1. Specs need to be written to make sure they're compatible with ASHTOWare processes.
      - Data collection will be project specific. This shouldn't add more testing, but random numbers would need to be tracked carefully so tests aren't missed. May pose a scheduling difficulty with changing plants.
    - ii. Section 700
      - 1. QA specs. Drafts should be ready for the next tech team meeting.
    - iii. Section 800
      - 1. Material specs. Drafts should be ready for the next tech team meeting.
    - iv. Other
  - c. Percent Within Limits (PWL) Subcommittee (Dan K.)
    - i. 2021 summary: Dan provided a thorough review of the year's PWL statistics. During the data entry issues portion of the presentation there was some discussion to clarify how incomplete lots/sublots should be handled.

- ii. Proposal to make a spreadsheet update to record actual Gse/VMA instead of only a calculated value.
- iii. Box drive is setup for this year's completed projects.
  - 1. **TO DO:** Dan will send a link to those that need it.
- d. Mix Acceptance Subcommittee (Jeff A.)
- e. Mix Performance Subcommittee
  - i. Performance Testing Analysis: thorough presentation of performance testing data. Notable features between LT, MT, HT, SMA mixes were discussed, as well as binder types.
  - ii. Look at same mix design with different binders.
- F. Specs
  - a. ASP-6 SS 455
    - i. Non tracking emulsified asphalt requirements table has had some minor clarifications and format updates.
  - b. SS 301.2.3
    - i. Reference correction.
  - c. SS 604.2 points to 450.2 when it should point to 455.2.
    - i. Reference correction.
  - d. SS 450 Jointing
    - i. Updates to be consistent with long joint density changes in 460.
  - e. SS 460.2.6(2)
    - i. Minor clarifications made.
  - f. CMM 836
    - i. CoreDry
      - 1. Clarifications for test procedure R79.
    - ii. IOCF
      - 1. Clarifications for when the department uses an IO in lieu of the auto extractor.
      - 2. There are concerns over how the new language would be enforced when IOCF need to be reworked.
        - a. **TO DO:** DOT personnel will discuss this further before formal approval.
  - g. CMM 850
    - i. Clarification about the style of container recommended for use in sampling/storage.
  - h. STSP 460-030 SMA
    - i. Clarification about split samples and a reference update.
  - i. STSP 460-075 Longitudinal Joint Density
    - i. Limit modifiers more clearly displayed in table B-1.
  - j. STSP 460-900 Material Transfer Vehicle
    - i. MTV hopper should stay filled so that augers are always covered to avoid segregation.

- k. STSP 460-050 PWL (and Core only SPV)
  - i. Updated reference to CMM 836.6.3.7.
  - ii. Disincentives for shoulders not meeting specification.
- I. Pilots
  - i. BMD
  - ii. PWL core only
    - 1. Projects too small for a test strip are permitted to operate as a core only project.
  - iii. LJD and VRAM pilot
    - 1. A pilot is desirable to answer questions and clarify concerns about the performance of the product. Will we get an improvement?
    - 2. SMA mixes might be a good use case for this. Should look into joint failure instances with SMA mixes.
    - 3. Tollway uses on all uppers, IDOT requires all layers but may not require on all projects.

## G. Other

- a. From APL Webpage (<u>https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-</u> rsrces/tools/appr-prod/default.aspx)
  - i. Update link to Asphalt Cement Suppliers to point to Purdue webpage for CSBG supplier list.
- b. Manual of Test Procedures
  - i. Live for 2023, will be some changes from CMM
  - ii. Contractual for 2024
- c. Moisture, need to account for pavt and base water.
  - 1. Interlayer, Blisters
  - 2. Seeing this issue with #5 mixes.
  - 3. Root cause could be the base's inability to drain properly.
  - 4. Only on hot sunny days, blisters recede in the afternoon. Moisture testing less than 4%.
  - 5. Some cracks formed on top of the blisters, but once they receded the cracks welded themselves closed.
  - 6. Heavy rain prior to the mill and pave in some of the instances.
  - 7. More investigation is required.
  - ii. CIR, moisture held in segregated areas
    - 1. Water can be found in the test holes but usually need to wait a bit longer than required.
  - iii. How do we manage these with the specs?
    - 1. Look into a moisture test similar to bridge overlay.
- d. 2023 Standard Spec revisions to work on?
- H. Next Meeting late Aug/early Sept to finalize any revisions for submittal