

Materials Procedures (MP) Committee Meeting

September 21, 2022

Present: Adam Nester, Erica Henson, Dan Brayack, Andrew Thaxton, Colton Jobes, Steve Boggs, Janie Matics, Phil Brown, Suman Thapa, Donn Cyrus, Mike Mance, Calvin Ratchford, Bill Murray, Shawn Jack, John Crane, 1740-***-**48, Adam Gillispie, Paul Farley, Donald McNutt, Dave Lipscomb, Matt Crum, 740-***-**27, Charles Ramsey, Jason Boyd, Jimmy Pritt, Logan Gambill, Matthew Daly, Megan Stenger, Steve W, Shirell Duckworth, Nate Smith, Ted Whitmore, Vince Allison, Edward Morrison, Ben Whelan, George Hanna, 1513-***-**26, Eliot R Watson

Voting

MCS&T: Andrew Thaxton

Contract Administration: Matt Crum

Traffic: Ted Whitmore

Operations Division: Bill Murray

Technical Support: Steve Boggs

106.03.51 Policy for Materials Certification Reciprocity

- Matthew Daly asked if the exams were identical; Phil Brown said yes.
- Discussion regarding the testing used for provisional path for certification; wording changed to indicate passing the exam is required.
- Shorter exam now at 25 questions, as opposed to longer traditional one.
- Rewording will indicate that they must take the course and pass the respective tests (written and practical).

Vote

MCST: Y

CA: Y

Traffic: Y

Operations: Y

Tech Support: Y

601.04.20 Curing Concrete Test Specimens in the Field

- Suman Thapa will address changes to match the AASHTO standard.
- Matt Daly: Chain of Custody Section 4.2 "Transportation of Samples" reflect chain of custody in MP

Vote

MCST: Y

CA: Y

Traffic: Y

Operations: Y

Tech Support: Y

100.00.03 Method of Evaluation of Non-Standard or Non-Conforming Materials in Construction via DMIR

- Dan Brayack previously addressed Matthew Daly's concerns regarding the ST-1/DMIR MP.
- Dan Brayack may be more generic instead of using exact program titles, in case other programs later replace them.
- Discussion of change orders used with DMIRs and acceptance of materials. CFR requires all non-conforming materials for DMIRs as an exception. Matthew Daly suggested meeting later to discuss further.

109.00.20 Basis of Charges for Additional Testing

- Because there were charge increases for late testing, it was decided to update this MP for additional testing and reference the other MP. The price has increased from \$300 to \$700.
- A reference to Table 9.1 will be removed, and instead references attachment in 109.00.21.
- This will be voted on in the next meeting.

207.07.20 Nuclear Field Density - Moisture Test for Random Material Having Less Than 40% of $\frac{3}{4}$ Inch Material

- Shawn Jack said that besides just cleaning up language and formatting, metric removed, the rounding procedure had been removed. No changes were made to amendments. Revised 316 Form.

Vote

MCST: Y

CA: Y

Traffic: Y

Operations: Y

Tech Support: Y

401.02.21 Calibration of Thermometers and Pyrometers at Bituminous Concrete Mixing Plants

- Shawn Jack: Updated terminology to what is used by Industry.

Vote

MCST: Y

CA: Y

Traffic: Y

Operations: Y

Tech Support: Y

401.02.22 Guide to Designing Hot-Mix Asphalt Using the Marshall Design Method

- Shawn Jack: Updated to AASHTO (formerly AMRL) standards.

Vote

MCST: Y

CA: Y

Traffic: Y

Operations: Y

Tech Support: Y

401.02.24 Guide to Designing Hot-Mix Asphalt with Recycled Asphalt Pavement

- Will change “recycled” to “reclaimed”?

Vote

MCST: Y

CA: Y

Traffic: Y

Operations: Y

Tech Support: Y

401.02.28 Guide to Designing Hot-Mix Asphalt Using the Superpave Volumetric Design Method

- Steve Boggs is concerned about some of the references listed because they may be outdated; Shawn Jack thinks they should remain because those mix designs may still be in use.
- John Crane: Table 2 should be updated.
- Will discuss it at next meeting.

401.02.29 Guide for Quality Control and Acceptance Requirements for Superpave Hot-Mix Asphalt

- Discussion on “48 working hours” or “two working days” to be used regarding working hours.
- Discussion on verification sampling in Section 9.1.
- Will be discussed at a later meeting.

603.02.10 Guide for Approval of Component and Ship Loose Materials Pertaining to Precast and Prestressed Concrete Items

- Steve Boggs suggested capitalizing S in Standard and removing metric references.
- Andrew Thaxton suggested moving to the next meeting.

604.02.40 Inspection and Acceptance Procedures for Precast Concrete Products

- Combines Michael Perrow’s and Andrew Thaxton’s changes to the original.
- Steve Boggs suggested moving metric; Suman Thapa wants to see Steve Bogg’s changes.

Vote

MCST: Y

CA: Y

Traffic: Y

Operations: [Bill Murray left]

Tech Support: Y

714.03.30 Quality Assurance of Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe

- Spec reference update only.
- Steve Boggs suggested removing metric.

Vote

MCST: Y

CA: Y

Traffic: Y

Operations: [Bill Murray left]

Tech Support: Y

715.07.20 Standard Method of Test for Determining the Quality of Water Used with Hydraulic Cement

- Specification references changes only and to remove metric references.

300.00.51 Procedural Guidelines for Maintaining Control Charts for Aggregate Gradations

- Changed some word choices (“will” changed to “shall”) and updated 4.2.1.
- Jobs also replaced Attachment 1 to make it look cleaner without being stretched out. May revise again.

Vote

MCST: Y

CA: Y

Traffic: Y

Operations: [Bill Murray left]

Tech Support: Y

702.01.20 Standard Method of Test for Determining the Percentage of Coal and Lightweight Particles in Aggregate

- Changes in Section 4 made by Randy Shuman before he left.
- Rewording to make MP read more easily; revised metric references and changed shall to should.
- Revised equation in section 7.1 to make it more user-friendly.

703.00.30 Method of Preparation and Evaluation of Aggregate for Soak Test

- Grammar updates only; content remained the same.

Vote

MCST: Y

CA: Y

Traffic: Y

Operations: [Bill Murray left]

Tech Support: Y

601.11.20 Field Calibration and Operation of Rolling 3m/10f Straight Edge on Bridge Decks

- Updates on metric units; title will be changed to 10 ft.
- Section 2 updated to match current practices.
- Dan Brayack wondered if the graphic could be updated.

401.07.21 Sampling Compacted Asphaltic Mixtures from the Roadway

- Section 7.9: John Crane suggested backfill options like high performance cold patch or quikrete.
- Section 5.2 John Crane asked what if the existing shoulder becomes a turning lane? He and Shawn Jack will discuss.
- Page 7 Table 1: Steve Boggs asked about the highlighted part.

401.07.23 Guide to Determining Interface Bond Shear Strength of Multi-Layered Asphalt Pavement Specimens

- Discussion on Section 9.2: Shawn Jack added this new language because the districts were seeing a lot of failure in testing due to old materials and contractors shouldn't be penalized for that.
- John Crane believes this should be a spec change rather than MP.

700.00.24 Nuclear Density Test by the Roller Pass Method

- Shawn Jack discussed changes.
- Voting Next Time

700.10.01 Non-Destructive Thickness Determination of Pavements Using Magnetic Imaging Tomography Technology

- No changes; reconfirmation.

Vote

MCST: Y

CA: Y

Traffic: Y

Operations: [Bill Murray left]

Tech Support: Y