

**GREENBOOK COMMITTEE**  
**NEW MATERIALS AND METHODS SUBCOMMITTEE - SURFACE**  
**ASPHALT TASK FORCE**  
**MINUTES – November 3, 2021**

The meeting was called to order at 1:00 PM by Corina Wong.

1. Role call was called:
2. Corina Wong Granite Construction [Corina.Wong@gcinc.com](mailto:Corina.Wong@gcinc.com)
  - a. Pascal Mascarenhas Consultant [pascal.mascarenhas26@gmail.com](mailto:pascal.mascarenhas26@gmail.com)
  - b. James Emerson Pavement Recycling [Jemerson@pavementrecycling.com](mailto:Jemerson@pavementrecycling.com)
  - c. Sarah Chavez City of San Diego [Schavez@saniego.gov](mailto:Schavez@saniego.gov)
  - d. Bob Rivers Asphalt Supply Tech [brivers@asphaltsupplytech.com](mailto:brivers@asphaltsupplytech.com)
  - e. Brandon Milar CalAPA [bmilar@calapa.net](mailto:bmilar@calapa.net)
  - f. Edgar Puente City of San Diego [EPuente@saniego.gov](mailto:EPuente@saniego.gov)
  - g. Cameron Richardson Ingevity [Cameron.Richardson@ingevity.com](mailto:Cameron.Richardson@ingevity.com)
  - h. Tom Williams LaBelle-Marvin [twilliams@labellemarvin.com](mailto:twilliams@labellemarvin.com)
  - i. Chris Solis Ventura County [Christopher.solis@ventura.org](mailto:Christopher.solis@ventura.org)
  - j. Randy Reichert Ninyo and Moore [rreichert@ninyoandmoore.com](mailto:rreichert@ninyoandmoore.com)
3. Minutes from the October 6, 2021 meeting were reviewed and approved.
4. Old Business
  - a. Main Committee
    - i. Approved change number for Fiber Reinforced HMA change review
    - ii. Mentioned the new CT spec for Limestone Concrete
    - iii. Update on Greenbook Retention Subcommittee Efforts
      1. Met with Caltrans
      2. Caltrans did not seem open to seriously consider reviewing the Greenbook specification on National Highway Projects
      3. Continuing to look for support from national APWA and local APWA chapters on Greenbook retention
    - iv. Update on Greenbook Retention Subcommittee Efforts
      1. LA County coordinating with District 7 Caltrans
      2. Trying to restart meetings with Caltrans regarding Greenbook retention
      3. Following up with APWA regarding complying with federal regulation
      4. Several APWA chapters looking to support Greenbook
      5. Working with AGC and legislature to change the law to help with Greenbook retention
    - v. Call for help in backfilling presenters for the Virtual Greenbook training hosted by Southern APWA – COMPLETE
  - b. Editorial Standards Subcommittee
    - i. Working on changing the way the Standard Plans are structured
  - c. Surface Committee
    - i. AB 1035 Vetoed by Governor
    - ii. Assigned 316SM Fiber in HMA specifications for review
    - iii. Suggested that we conduct more small groups to get through the various changes assigned to our group
5. Current Business
  - a. Change No. 315SM for MAC10/15 TR (No sponsor needed)
    - i. Waiting on test data to review drain down data on mix created with MAC10/15TR using the reduced viscosity
  - b. Change No. 313SM for CIR (LA County sponsor-Clarence Su)
    - i. Provided an update on small group efforts

- ii. Next small group meeting will be Monday, November 15, 2021 at 12 p.m.
  - c. Change No. 301SM
    - i. Need revisions for compaction acceptance to finalize this change
    - ii. Scheduled a small group meeting to complete
      - 1. Corina Wong, Tom Williams & Brandon Milar
  - d. Change No. 300SM for specifying RAP as Micro-surfacing and Slurry aggregate.
    - i. Draft formulated by Erik. See attached.
    - ii. Reviewed current Micro-surfacing and slurry aggregate specification
      - 1. Questioned the need for the sulfate sodium testing
        - a. Sulfate sodium testing is a source aggregate test and RAP is source from various aggregate sources so may not be appropriate
        - b. Suggested that we use a durability minimum that needs to be met in lieu of sodium like CT PCC aggregate specification.
  - e. Change 316SM for specifying HMA with Fiber (Ventura County sponsor-Chris Solis)
    - i. Reviewed draft spec
      - 1. Draft relies on supplier product data
      - 2. Testing related to HMA crack resistance may not be standardized and is not currently correlated to field performance
      - 3. The section number would have to be updated should it be included in the Greenbook
    - ii. Request was made to review the supplier product data sheets
      - 1. Would like to review how the material is specified in the draft spec versus as recommended by the various aramid fiber suppliers
    - iii. Request was made to compile existing draft specification from local agencies
      - 1. Tom Williams agreed to review and compile the various local agencies specifications
    - iv. The inclusion of fiber reinforced in the Greenbook would make it an option for the local agencies and not a requirement
  - f. Superpave Gyrotory Compaction for SSPWC
    - i. No updates. Still waiting on Hveem vs Superpave air void test data.
    - ii. Call for comments on draft Superpave mix design
      - 1. We are thinking to recommend the draft Superpave compaction spec as a mix design option
  - g. SSPWC specification for berm mix. 1% additional binder discussion needed. (Sponsor: Orange County-Blaine Thomann)
    - i. Tabled for now. Waiting on a draft for review
  - h. Previous change requests – No current sponsors so not under current consideration
    - i. Request was made to make the warm mix additive an option in the ARHM section
      - 1. Updated request was made to allow the addition of warm mix additives a contractor option instead of an engineer option similar to CT
    - ii. Request was made for RA modifications/provisions for bio-based rejuvenators in Section 203
6. New Business
7. **Next meeting will be at 1:00 p.m. on WEDNESDAY, DECEMBER 1, 2021 AS A TEAMS MEETING.**