



Asphalt Recycling Subtask Group

PMPC

Meeting Minutes

DATE: Tuesday, April 27, 2021

TIME: 2:00 – 4:00 PM

LOCATION: Webex

Asphalt Recycling Subtask Group:

Allen King (**CT-Chair**), Guadalupe Magana, Ragu Thangavelautham, Parwaz Khasraw
 Marco Estrada (**IN-Lead**), Roger Schlierkamp, Fernando Aragon, Darren Coughlin

Time	Topic	Who
2:00 PM	Roll Call & Introduction	Allen/Marco
2:10 PM	Opening comments from Industry & New Industry Member	Marco
2:20 PM	CCPR Scoping Document Update	Allen
2:35 PM	Plastics Scoping Document Update	Darren
2:50 PM	CT 315 Posting Status	Guadalupe
3:00 PM	Draft CT 314 for FDR-FA & new CT for FDR-C (currently in IPR appendix)	Guadalupe
3:10 PM	Recycling Terminology Changes Needed – What/When/How?	Ragu
3:20 PM	Update FDR-C & FDR-FA Specifications	Christina
3:30 PM	Review Bin List	All
3:50 PM	Review Action Items & Adjourn	All

Pavement & Materials Partnering Committee

Attendees: Christina Pang, Allen King, Darren Coughlin, Fernando Aragon, Guadalupe Magana, Marco Estrada, Raguparan Thangavelautham, Roger Schlierkamp

Meeting Minutes

CCPR Scoping Document Update

- In Progress
- Approved by ATG and needs to go to EC for approval

Plastics Scoping Document Update

- The initial draft plastic scoping document was presented to the group
- Determine the amount of recycled plastics in the mix (post-industrial and post-consumer)
- Highlighted points in the scoping document
- Basis of scoping document is a non-bituminous binder
 - It depends on what is the final product of the scoping document
 - Allen: It sounds like this scoping document should produce more of a literature review than an nSSP. If it is a literature review can leave more open-ended.
 - The purpose is to have an extensive literature review to put out an nSSP eventually. The literature review timeline may be longer than what is currently in the scoping document. The literature review will determine which product has the best potential.
 - May need a separate working group for specification in the future
 - Can we have an open-ended scoping document?
- Working group can create nSSP criteria based on literature review
- Literature review to make recommendations for future specifications
- Bin list item mentions that Plastic will be the final wearing coarse. However, IPR requires final wearing coarse. Plastic is incorporated in a PDR, so voids are higher compared with HMA.
- Discussion as what constitutes as a final wearing coarse.
- The group should just look at the literature review
- Sri has some test data from D03 plastics project to start with
- After D03 plastic pilot project has had companies approach Caltrans with ideas. Working group will need to filter through the ideas
- Who is responsible for compiling literature for review
 - Although called plastics, it is a poly binder
 - Some techniques involve CIR, others involve adding into hot mix. Not sure what is the best way to incorporate. Multiple ways of using recycled plastics.
 - Decide which method is best such that the next working group can develop the specification
- Specification development is a working group on its own
- This group is focused on IPR. Literature review more focused on IPR with plastics instead of HMA
- The expertise of this group is plastics with IPR
- Working group will be tasked with additional products available. Should list other potential plastic technologies, even if do not review because outside of scope.
- Plastics as final wearing coarse or other materials.
- **Action Item:** Darren will update plastics scoping document by the end of May.

CT 315 Posting Status

- Sitting on Tim's desk for approval. Have until Friday to review and approve. May be posted by Friday
- Needs to be ADA compliant
- CT 315 is the PDR mix design and production testing for both emulsion and foamed asphalt

Draft CT 314 for FDR-C (currently in IPR appendix)

- CT 313 is a mix design procedure for FDR-FA and needs to be updated similar to 315 requirements
- We do not have test method for FDR-C at this time.
- Discussion of moving from CT to national standard if it is available
- Working group will look for national standard, and if needs modification to fit CA can modify in a CT
- Lupe will lead the update of CT313 and create CT314

IPR Terminology Update

- Pulverized roadbed to FDR-N
- For the FDR-C it is just a matter of changing the terminology and the bid items because last year, we had a working group that updated the specifications as an RSS
- For FDR-FA, while we are updating the terminology in the document, we should also have a group take a look at the specifications.
- FDR-C, PDR specifications updated, updating the CTs, so probably FDR-FA should be looked at.
- In the meantime, change just the terminology from reclamation to recycling.
- **Action Item:** Ragu and Christina will change terminology in section 30 specifications
- **Action Item:** Christina will send link to RSS for FDR-C and the IPR guide
- **Action Item:** Allen will set up meeting with UCPRC to follow up with gravel factors, CalME, microcracking, FDR deep lift, and other items.
- **Action Item:** Lupe/Fernando will draft scoping document for CT 314 and update UCS by end of May

Reviewed Bin list Items

- Added new items and rearranged list based on priority