DATE OF MEETING: May 14, 2019 (1:00 PM)

ATTENDEES:

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
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<tbody>
<tr>
<td>Bill Morgan</td>
<td>COSD-DPW</td>
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<tr>
<td>Alberto Gayon</td>
<td>Kleinfelder</td>
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<td>Amanda Olgeirsson</td>
<td>Kleinfelder</td>
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<tr>
<td>Brandon Milar</td>
<td>CalAPA</td>
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<td>Collins Solomon</td>
<td>COSD-DPW</td>
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<td>Dave Gasaway</td>
<td>COSD-DPW</td>
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<td>Jim Ryan Jr.</td>
<td>Marathon Petroleum</td>
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<td>Mary Erchul</td>
<td>Ghirardelli</td>
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<td>Matt Pound</td>
<td>Escondido Material</td>
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<tr>
<td>Pat Terrell</td>
<td>CA Commercial Asphalt</td>
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<td>Randy Encinas</td>
<td>City of San Diego</td>
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<tr>
<td>Rich Fitterer</td>
<td>Kleinfelder</td>
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<td>Robert Piceno</td>
<td>Vulcan Materials</td>
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<tr>
<td>Sam Koohi</td>
<td>COSD-DPW</td>
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<tr>
<td>Sam Tadros</td>
<td>COSD-DPW - LEAD</td>
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PUBLIC COMMENTS IN ACCORDANCE WITH BROWN ACT:
- No Public Comments

OVERVIEW:
- Meeting began with participants’ self-introduction followed by Sam Tadros reviewing the proposed agenda for the meeting.

DISCUSSION:

Working Group Recap and Achievements – Sam Tadros
- Sam Tadros reviewed Working Group’s demographics and a list of achievements including: currently there are 112 working group members with 16 agencies represented; members were invited to the CalAPA San Diego Technical Committee Meeting on April 3, 2019, which was devoted to a technical presentation called “Evaluating High RAP Mixes: UCPRC Overview of Current Research”; a master contact list has been generated; subcommittees are working on developing white papers (guidance documents), with a total of ten having been submitted
- The main goal for this meeting is to begin discussing a schedule and process to develop and review guidance documents

Working Group Direction – Rich Fitterer
- Rich Fitterer provided an overview for the future of the Building Better Roads Working Group (BBR) and states that there has been positive feedback from industry and
organizations on how (BBR) is facilitating communication, identifying and resolving issues, and helping to educate all involved on matters related to roadway rehabilitation projects

- Frequency of BBR meetings: Attendees agree on holding three BBR meetings a year in February, June, and October
- Frequency of Subcommittee meetings: Minimum of approximately one meeting every two months, but will be driven by guidance document needs
- Upcoming June 11, 2019 Building Better Roads Working Group meeting: Rich Fitterer and Crystal Howard are working to arrange another plant tour either at Superior Ready Mix, Mission Gorge or CCA/Hansen, Miramar in the morning before the meeting. *Note: we are always open to ideas and suggestions on key speakers and/or topics for BBR meetings
- Brandon Milar identified the opportunity for a recycling workshop in March 2020: AAPT presentation and discussions in asphalt pavement technology scheduled in San Diego. Workshop will attract top researchers; Brandon Milar is looking to put together a local workshop to include the BBR Working Group
- Rich Fitterer noted the continuation of outreach efforts to remaining agencies including Cities, Water Districts, and Airports
- Rich Fitterer noted that we are considering ways to improve the format and functionality of the BBR website as well as social media options, and potentially posting a calendar of upcoming events

**Guidance Document Development – Rich Fitterer**
- Rich Fitterer noted the need for guidance documents to be well thought out, thoroughly vetted, and factual for the BBR Working Group to maintain credibility and relevance; a guidance document review schedule has been developed (attached); each guidance document will be subjected to one of two paths for review, long-term (nine months) and short-term (five months), to be determined by the subcommittee
- Brandon Milar suggested that peer review time should be longer than subcommittee (i.e. peer review is three weeks, subcommittee review is two weeks)
- Guidance documents will be posted on SharePoint sites and will have excel comment spreadsheets; Rich Fitterer reminded subcommittee that comments won’t be singled out and people should feel comfortable to comment

**Guidance Document Status – Group Discussion**
**MT-1 – Warm Mix Asphalt**
- Update from Brandon Milar: Submitted on 2/20, wants to add latest WMA survey done with TRB (NCHRP) and what can be done to increase its use; UCPRC should have emissions data in their report that can be included in guidance document
MT-2 – Uniform Specifications and Mix Types for all of San Diego County
- To be developed after Survey (MT-3) is completed and analyzed

MT-3 – Regional Agency Survey
- Survey is nearly complete and will be circulated through the Mix Type and Contracting Subcommittees for review soon, with the intent of distributing it through Survey Monkey before the next BBR Working Group meeting; survey aims to collect data from local agencies about their policies for incorporation of RAP in pavement, providing pilot project information, their preferred types of bidding processes, and their specifications

MT-4 – Need to Fractionate RAP
- Sam Tadros proposed that we move forward with this document into the review process, group agrees
- Matt Pound wants to add a geological study

MT-5 – Balance Testing
- Update from Brandon Milar: Guidance document is in progress; there is a 50-person, technical training class with CalAPA in Sacramento this October on Balanced Mix Designs, he will share details with group once more details are known FHWA sponsored effort - six locations including CA (Sacramento) in October

Other/Tabled Topics – Group Discussion
- Identifying potential peer reviewers for guidance documents: Brandon Milar suggested CalAPA, Asphalt institute, and UCPRC
- High RAP pilot projects: Brandon Milar asked if agencies are open to discussion to use high RAP material? Rich Fitterer responded that this will be addressed in the regional survey
- RAP in rubber mixes: Brandon Milar said UCPRC did a research run with 1/2-inch and 3/4-inch graded rubber mixes with RAP and without RAP placed over recycled CIR sections; results are pending
- Pilot project outline: Brandon Milar suggested putting together a guidance document on best practices for pilot projects

CLOSING COMMENTS AND ACTION ITEMS:
- MT-4 guidance document chosen for first round of 60% subcommittee review
- Rich Fitterer to increase peer review time and decrease subcommittee review time for guidance document timelines
- Amanda Olgeirsson to set up SharePoint sites for each subcommittee to share and comment on guidance documents
- Next tentative subcommittee meeting date is August 13, 2019 from 1:30 pm to 3 pm; meeting may be a conference call depending on guidance document status