



Building Better Roads Working Group
General Meeting No. 12
Meeting Minutes

LOCATION: County Operations Center / Kearny Mesa 5500 Overland Avenue Training Room No. 120 San Diego, CA 92123; and Virtual Microsoft Teams Meeting

DATE OF MEETING: September 15, 2022 (1:30 PM to 3:30 PM)

ATTENDEES: See attached attendance roster

AGENDA:

- 1) Orientation / Sign-In
- 2) Public Comments
- 3) Welcome
- 4) Conduct Poll
- 5) Organization / Industry Updates
- 6) Round Table Discussion
- 7) Next Working Group Meeting / Close

1) ORIENTATION / SIGN-IN

Rich Fitterer and Amanda Olgeirsson, Kleinfelder Construction Services

- Rich Fitterer introduced himself and his role as the Building Better Roads (BBR) Facilitator
- Welcomed participants and reviewed the agenda for this September 15 meeting
- Notified participants that this meeting is being recorded
- Reviewed housekeeping, facility orientation and emergency protocols for in-person attendees
- Amanda Olgeirsson reviewed Teams functions and protocols for the virtual attendees, including submitting questions via the chat feature, or by raising a hand, and asked virtual attendees to enter name, organization, and e-mail address in the chat window

2) PUBLIC COMMENTS

Rich Fitterer, Kleinfelder Construction Services

- The meeting was opened for any interested parties to make a public comment
- No public comments provided

3) WELCOME

Rich Fitterer, Kleinfelder Construction Services

- Rich welcomed the group to the meeting, noting that Bill would provide the official welcome when he joined

4) CONDUCT POLL

Rich Fitterer, Kleinfelder Construction Services

- Rich reviewed process for conducting Survey Monkey poll during the meeting to guide round table discussion
- The in-meeting poll was developed based on input gathered from prior working group meetings and a pre-meeting poll distributed to all invitees
- Rich reviewed the current subcommittees (RAP, Mix Types, Alternative Pavements and Contracting) and summarized the topics they are currently working on, including statuses of white papers/guidance documents

Amanda Olgeirsson, Kleinfelder Construction Services

- Amanda explained how the survey could be accessed, via a link in the Teams Chat for virtual attendees, or through a QR code for all attendees shown on the PowerPoint presentation
- Amanda guided participants through each of the eight polling questions, then left the meeting to compile and put together a presentation of the data

5) ORGANIZATION / INDUSTRY UPDATES

Brandon Milar, CalAPA, Director of Technical Services

Asphalt Industry Update

- Brandon presented a slide deck reviewing updates that Caltrans is working on including mix designs with up to 40% RAP in HMA and 10% RAP in RHMA, and up to 3% Recycled Asphalt Shingles (RAS); balance mix designs; fog seals; cold in-place recycling (now more commonly known as partial depth recycling, PDR) as a wearing course; and revisions to Caltrans materials test methods CT125 and CT306
- Provided updates regarding Greenbook specification progress on micro-trenching, updating construction requirements, and gyratory compacted specimens
- Stated that the City and County Pavement Improvement Center (CCPIC) is working on a pilot specification for Caltrans' Superpave mix designs to be used by local agencies
- CalAPA Annual Golf Tournament will be held on September 22, 2022, at Pechanga Resort, and the CalAPA Fall Asphalt Pavement Conference will be held in Sacramento from October 26-29, 2022

Tony Limas, CALCIMA, Director of Asphalt Advocacy and Technical Affairs

CALCIMA Industry Update on Buy Clean Initiatives

- Tony presented a slide deck reviewing updates from the Caltrans Pavement and Materials Partnering Committee (PMPC) including progress on scoping balanced mix designs; and pilot

projects using RAP and RAS, statistical pay factors, post plant gradation, and 10% RAP in RHMA

- Provided an update on California legislation, including AB 1369, the Buy Clean California Act, and AB 2653 regarding Local Agency Recycling
- CALCIMA 2022 Education Conference will be held from October 24-27, 2022

6) ROUND TABLE DISCUSSION

Bill Morgan, County of San Diego, Deputy Director of the Engineering Services Division

- Bill thanked everyone for attending today's meeting in person and virtually and invited everyone to participate in the round table discussion with concerns, ideas, and ways to move the working group forward

Rich Fitterer and Amanda Olgeirsson, Kleinfelder Construction Services

- Rich invited local agencies to provide an update on their paving programs, including current key issues, challenges, and priorities
 - Patrick Moneda, Senior Civil Engineer of City of Chula Vista, reviewed funding sources the City has utilized for implementing their pavement programs, including SB1, TransNet, and Measure P. He noted that the biggest current issue is increased construction costs which have limited the City's ability to continue increasing their citywide network PCI above 73
- Amanda presented polling results, which can be found attached to these meeting minutes
- Amanda started a Whiteboard on Microsoft Teams which allowed virtual and in-person attendees to see the notes taken during the round table discussion facilitated by Rich. This Whiteboard is attached to these meeting minutes
- The discussion began with a question from an in-person attendee about results from County pilot projects. A discussion followed regarding how long pilot projects should take to assess data and how performing pilot projects specific to regions is important to evaluate how contractors, materials suppliers, weather, and native materials work together, noting examples of high RAP asphalt pavement and fiber reinforced pavement
- Attendees noted the importance of pilot projects in helping define best practices, policies, and procedures, and added that Caltrans sets aside a budget for innovative pilot projects to test products, including fiber reinforced pavements, 100% RAP, other high RAP mixes, and determining where these technologies are best implemented in various settings (urban, rural, etc.); Caltrans' efforts in bridging fiber reinforced pavement and balanced mix designs was also noted
- Another discussion began regarding updating Greenbook specifications to use C595 Portland limestone cement as a concrete additive since it is a popular additive in other states; this additive is being used in some California jurisdictions and is added to projects through change orders
- The discussion then focused on the survey results and identifying topics the Working Group should consider moving forward on, identifying sustainability, training and presentations, and high RAP as being some of the most popular topics amongst the surveyors

- The group identified high RAP use in mix designs, over 25%, as being a major priority for San Diego asphalt plants and manufacturers, and that the County has done well in adopting higher RAP use but there is a need for other local agencies to follow suit
- The group discussed environmental benefits of high RAP that could help jumpstart compliance with forthcoming environmental regulations and EPDs (Environmental Product Declarations), citing the increasing importance of life cycle analyses and sustainability factors
- The group discussed the importance of reducing emissions during asphalt production, and the benefits of warm mix asphalt
- The benefits of establishing standardized asphalt mixes throughout the county through local agencies was discussed, and that asphalt plants can run more efficiently if they do not have to switch mixes throughout the day
- As the discussion wound down, Rich summarized the main topics covered during the round table and poll- noting that Sustainability, Materials, and Innovations were the top three issues discussed

NEXT WORKING GROUP MEETING / CLOSE

Rich Fitterer, Kleinfelder Construction Services

- Rich thanked the presenters and attendees for contributing today both virtually and in-person, noting that the next step will be to reorganize subcommittees and recruit participants to push items along and achieve goals
- The next working group meeting will be scheduled soon, and a save the date will be sent out. The BBR website link will also be sent out

Bill Morgan, County of San Diego, Deputy Director of the Engineering Services Division

- Bill thanked the group again and noted the great takeaways from today in terms of refocusing the subcommittees and streamlining the issues that the Working Group can continue to address

<Meeting Adjourned>