



Building Better Roads Working Group
General Meeting No. 11
Meeting Minutes

LOCATION: Virtual Teams Meeting

DATE OF MEETING: April 19, 2022 (1:30 PM to 3:00 PM)

ATTENDEES: See attached attendance roster

AGENDA:

- 1) Orientation / Sign-In
- 2) Public Comments
- 3) Welcome
- 4) Organization / Industry Updates
- 5) Key Presentation – The Road Forward: A Vision for Net Zero Carbon Emissions for the Asphalt Pavement Industry
- 6) Round Table – Part 1 of 2
- 7) Next Working Group Meeting

1) ORIENTATION / SIGN-IN

Rich Fitterer, 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 April 19 meeting
- Notified participants that this meeting is being recorded
- Reminded attendees to enter name, organization, and e-mail address in the chat window
- Reviewed Teams functions and protocols for the meeting today, including submitting questions via the chat feature, or by raising a hand
- Reviewed Interactive Polling to be used via Menti during the Round Table portion of today's meeting

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

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

- Bill thanked the working group for attending today's meeting and cited the importance of working together as partners in the industry, especially considering current inflationary pressures and the effects of the pandemic on our projects
- Stated this time of year marks the beginning of a new paving season, and when local agencies are working on budgets for next year
- Cited a few of the County's new initiatives including an ordinance passed for skilled and trained work force required on all projects, and the continued interest and importance of sustainability that the County is implementing into all departments.

4) ORGANIZATION / INDUSTRY UPDATES

Mike McManus, AGC San Diego Chapter, Director of Engineering Construction & Industry Relations

AGC San Diego Industry Update

- Mike presented a slide deck reviewing national construction statistical changes between 2021 and 2022, including employment statistics, price increases for construction inputs including materials and fuel, and changes in prices for new nonresidential construction inputs vs. bid prices
- Reviewed labor negotiations and various collective bargaining agreements up for renewal for wage determinations, citing that high inflation, lots of work, and craft worker shortages are resulting in demands of up to 5% per year on 3-year agreements; suggest agencies consider during planning
- Reviewed new requirements from the California Air Resources Board for public works awarding bodies and prime contractors regarding trucking, certificates of compliance, record keeping and reporting requirements

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

CALCIMA Industry Update on Buy Clean Initiatives

- Tony presented a slide deck reviewing updates on Buy Clean initiatives at federal and state levels, including new requirements from the US General Services Administration (GSA), and Bill AP-1369 in California
- US GSA's new Buy Clean policies will affect land ports of entry (i.e. Calexico), border and security walls, court houses, and VA hospitals; also requires new GWP criteria (Global Warming Potential) for asphalt and concrete; CALCIMA is providing training on this on April 20 and May 18, 2022
- Reviewed the new Environmentally Preferable Asphalt Standards for all GSA Projects, which will require contractors to make an environmental product declaration and use environmentally preferred asphalt on GSA projects that use at least ten (10) cubic yards of asphalt
- Bill AP-1369 has not yet passed, but proposes to amend the Buy Clean California Act to authorize state agencies to set GWP limits for major structural, civil materials, including asphalt, to be phased in beginning 2024

Brandon Milar, CalAPA, Director of Technical Services

Asphalt Industry Update

- Brandon presented a slide deck reviewing updates regarding Caltrans specifications, including updated PDR (partial depth recycling) specifications, post plant gradations, and reclaimed asphalt pavement (RAP) pilot projects; announced that the CCPIC HMA-LG Specification is available for use and to contact CalAPA or CCPIC for additional information; and announced upcoming events hosted by CalAPA

5) KEY PRESENTATION – The Road Forward: A Vision for Net Zero Carbon Emissions for the Asphalt Pavement Industry

Brandon Milar, CalAPA, Director of Technical Services

Brandon presented a slide deck on CalAPA's vision for achieving net zero carbon emissions for the asphalt pavement industry. The following is a summary of key points from his presentation.

- Reviewed CalAPA's Strategic PLAN – Promoting, Learning, Advocating, Networking in the asphalt industry
- Reviewed the formation of the Climate Stewardship Task Force and its purpose in developing strategies to address sustainability; members including pavement associations, academia, and asphalt producers; and outcomes including setting long-term goals, strategies, and metrics to address different types of emissions associated with the production, construction, and use of asphalt mixtures
- Showed a video showcasing NAPA's mission, which is to engage, educate and empower the US asphalt community to produce and construct net zero carbon emission asphalt pavements by 2050
- Reviewed the Industry Goals put forth by the Task Force:
 - 1) Achieve net zero carbon emissions during asphalt production and construction by 2050
 - 2) Partner with customers to reduce emissions through pavement quality, durability, longevity, and efficiency standards by 2050
 - 3) Develop a net zero materials supply chain by 2050; citing that this is particularly applicable to BBR since the working group was formed to address virgin aggregate supply issues in San Diego County
 - 4) Transition to electricity from renewable energy providers in support of net zero carbon electricity generation by 2050 and reduce electrical intensities
- Stated that the last resort is carbon offsets to achieve net zero, and closed with discussing the need for the asphalt industry to partner and evolve to address the climate crisis now

Brandon answered questions from the group. The following is a summary of the questions and answers:

- Q: Are there any agencies that have taken the step to come up with their own goals?
 - A: Air districts set goals set by legislation and community needs/desires; San Diego County implemented goals to increase recycling
- Q: What is the timeline for goal implementation downstream?

- A: 2050, with goals for waste reduction in landfills and greenhouse gas emissions set for the 2030s
- Q: Is BMD [Balanced Mix Design] a different mix design, such as Marshall, Hveem, Superpave etc. Or is incorporation of new performance tests?
 - A: BMDs are designed per current mixes, then additional performance testing is run, and the mix is changed to address preferred outcomes (i.e. more rutting resistance with less crack resistance), citing that the changes may push mixes outside of what is considered acceptable performance ranges for some aspects
- Q: Are there directives, CPD style, for low hanging fruit, such as pushing some City and Counties to accept higher RAP or allowing RAP at all?
 - The availability of virgin aggregate and binders for how mixes are currently designed is not sustainable long term, this problem in San Diego is reaching other parts of the state; reusing material is imperative for asphalt paving projects
- Q: How realistic is 100% recycle and if feasible, are there currently any goals?
 - There are no current goals for 100% recycling, but it is feasible and has been used in California very successfully. Caltrans is working on updating specifications for 100% recycling, and City of LA has used over 50% RAP for decades with success

6) ROUND TABLE – PART 1 OF 2

Rich Fitterer, Kleinfelder Construction Services

Rich introduced this segment stating that the purpose of this round-table is to quickly recap and reflect on the BBR vision/goals/priorities/achievements and obtain feedback from the group on priorities going forward. Are there new challenges or issues that have surfaced since the group was initially formed that members are interested in addressing? Do the four subcommittees adequately address the topics going forward or would additional subcommittees be formed for topics such as sustainability? Today's virtual session will collect initial feedback through the use of an interactive poll and the chat feature. Then Part 2 will be in person to review, prioritize and organize the feedback and determine next steps for the working group and subcommittees.

- Rich reviewed the vision and goals for the working group; member statistics between public agencies, associations, and private industries and the growth since 2019; and outreach including surveying local agencies about their pavement programs and education including field trips and tours, and technical presentations and seminars
- Reviewed the working group's progress, including the development of a sustainability calculator, pilot projects for increased RAP content and fiber reinforced asphalt, and the development of 20 guidance documents; reviewed next steps for finalizing the guidance documents, reporting back on pilot projects, and posting online
- Reviewed Interactive Polling for everyone to use
- Asked eight (8) polling questions through the Menti website (see attached polling results)

7) NEXT WORKING GROUP MEETING / CLOSE

Rich Fitterer, Kleinfelder Construction Services

- Rich thanked all the presenters today, as well as everyone on the call for their participation in the Q&A, polls, and discussions had today that will frame the Round Table discussion planned for the next working group meeting
- The next working group meeting will be in July 2022, which will hopefully be in person to facilitate Part 2 of the Round Table. A save the date will be sent out soon. 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 all presenters, and commended the effort and progress made on the pilot projects and guidance documents, and reiterating the importance of providing feedback and polling answers to move the working group forward

<Meeting Adjourned>