



# BUILDING BETTER ROADS WORKGROUP MEETING



**Location:** County Operations Center / Kearny Mesa 5500 Overland Avenue, Room 120  
San Diego, CA 92123

**Date:** December 17, 2018

**Time:** Start: 1:00 PM - End: 2:40 PM

**Attendees:** (see attached)

**Facilitator:** Melanie Estes, DHS Consulting, Inc. (DPW Consultant)

## Mission

*Through the establishment of a working group of industry associations and public agencies, with a localized emphasis on the regions resources and the County's needs, identify means, measures, and methods to improve the quality of regional roads.*

## Opening Remarks

**Mark Perrett, LUEG Program Manager Department of Public Works - CIP Section - County of San Diego –**

- Welcomed attendees to the second meeting of the Building Better Roads Workgroup and thanked everyone for their participation.
- Introduced Director of Public Works, Rich Crompton.

**Rich Crompton, Director Department of Public Works - County of San Diego –**

- Thanked all for attending and participating in this great effort.
- Commented on the Subcommittee Workgroup spreadsheets (attached) mentioned all the options listed and what a great start it is.
- Stated that he appreciates the opportunity of being a part of something such as this that has such a great impact for the County and the entire region.

**Bill Morgan, Deputy Director Department of Public Works - Engineering Services - County of San Diego –**

- Welcomed attendees and thanked all for their participation.
- Noted that there are new attendees today, indicating that the word is spreading and that we are definitely making an impact.



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## Introductions

- Introduction of attendees (see attached list) - individuals introduced themselves and their affiliations.

## Facilitator:

### **Melanie Estes, DPW Consultant -**

- Identified exit at the back of the room and building exit / noted Brown Act for posting of minutes / notified all attendees that this meeting is being recorded / asked all attendees to sign in on the sign-in sheet / stated agenda (attached) available at the back of the room along with spreadsheet identifying Sub-workgroups meeting outcomes up to this point.
- Recap of previous BBR Workgroup meeting (November 16, 2018)
  - Mission Statement was reaffirmed.
  - The following public agencies (County of San Diego, City of San Diego, Caltrans-District 11, City of Escondido, City of Chula Vista) provided current program information along with the challenges and constraints each are facing. Common thread identified for all: funding and resources.
  - Two Power Point presentations were given -
    - *Aggregate Sustainability - Management - Trucking and Labor Concerns* presented by: Barry Coley, Grading Superintendent and Matt Pound, General Manager (Escondido Materials)
    - *Reclaimed Asphalt Pavement (RAP)* presented by: Brandon Milar, P.E., Technical Director (California Asphalt Pavement Association)
  - Four Subgroups were created -
    - Contracting
    - Reclaimed Asphalt Pavement (RAP)
    - Mix Design
    - Alternative Pavement
- Today's meeting goals -
  - Establish new action items after summarizing subgroup spreadsheet data
  - Follow-up items for subgroups to work on
  - Actionable items to be documented as potentially solved or near-term solved
  - Schedule the next Workgroup meeting
- Notation: some agencies were unable to make today's meeting. However, spreadsheets were sent to various cities to solicit feedback and input regarding this program (BBR) and to identify the scale of everyone's current program.



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- Mark Perrett asked if there were any interested parties in making a public comment on any items that were not listed on the agenda. (no comments)

## **Subcommittee Workgroups Reporting (spreadsheets attached)**

### **Reclaimed Asphalt Pavement (RAP) - Information presented by: Keith Kezer - County of San Diego**

- acknowledged the participants in the RAP Workgroup by name
- presented overview of the RAP Subcommittee Workgroup spreadsheet
  - RAP percentage in ACOs
  - Higher RAP in digouts for AC overlays
  - RAP in pavement seals
  - Processing and long term storage of RAP for reuse
  - Uniform RAP standards
  - Evaluation of resurfacing design standards (Caltrans, Greenbook, AASHTO)
- noted one subject (not on the spreadsheet) - Cold In-Place Recycling (CIPR) is an on-grade method of pavement rehabilitation that consists of milling the existing asphalt concrete pavement to a depth between 2 to 4 inches; mixing the cold milled material with emulsified recycling agent and other additives as needed; spreading and compacting the recycled mixture; and overlaying the recycled surface with a new layer of hot mix asphalt (HMA). The method currently exists and has been successful. Next steps - what areas would be best suited for this method?

### **Comments after RAP presentation:**

**Brandon Milar, California Asphalt Pavement Association** - noted that storage of RAP - Timeframe -Long Term (listed on spreadsheet). This is a time-sensitive issue that needs to be (Short-Term) resolved ASAP. The regulatory agencies have enacted rules on material suppliers and recyclers of RAP materials. RAP stockpiles are not in balance with demand – believes that in the report to the Board, more emphasis needs to be placed on how to address the regulatory issues to expedite solutions.

**Bill Morgan, County of San Diego** - The County understands the importance of the issues at hand (usage, management and storage of RAP) and how the regulatory restrictions are impacting the suppliers. Significant regulatory change will need to take place. We (the County of San Diego) have reached out and engaged our Land Development staff for their input and suggestions. Several parties will need to be involved to make the necessary changes for effectively moving forward.



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**Crystal Howard, Project Cornerstone** - offered to arrange site visits for those interested in seeing how RAP processing within the industry. Sign-up sheet was passed around.

## Mix Design - Information presented by: Collins Solomon - County of San Diego

- presented overview of the Mix Design Subcommittee Workgroup spreadsheet
  - Evaluate ability to standardize mix designs throughout all agencies
  - Standard Specifications
  - Fractionation for RAP mixes
  - Balance testing

## Comments after Mix Design presentation:

**Rich Crompton, County of San Diego** - presented inquiry to industry attendees regarding current usages of mix design throughout the industry?

**Brandon Milar, California Asphalt Pavement Association** - not all within a region are asking for the same mix design. Not sure why, but for some reason when design gets to the local agency level, design specs change. Not just happening in California, the conditions that the roads face within a jurisdiction are the same, but the specs are vastly different. Companies that produce the asphalt mix have a dense graded mix (a go-to mix); however, when different mix design specs are requested, all agencies are impacted (time, cost, etc.). Ideally, if everyone within a region would adhere to a standard mix, all parties would benefit. Standard Specifications are in print (i.e. Greenbook, Caltrans, AASHTO).

## Contracting - Information presented by: Orland Mott - Mott Engineering

- thanked all the members within the Contracting Subcommittee Workgroup for their time and input
- presented overview of the Contracting Subcommittee Workgroup spreadsheet
  - Electronic Bidding System
  - Regional Bidding Calendar
  - Flexible Start Dates/Additional Days for Contracts
  - Traffic Control Restrictions
  - JOC Contracting Improvements
  - Standard QA/QC Process for Contracts

## Comments after Contracting presentation:

**Mark Perrett, County of San Diego** - stated that the County of San Diego is planning to query other jurisdictions, not currently involved with this workgroup regarding their contracting practices (i.e. electronic bidding, JOC contracting, etc.).



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**Brandon Milar, California Asphalt Pavement Association** - proposed a question to Caltrans District 11 representative regarding the Regional Bidding Calendar - with the increased funding from SB1 and the amount of work that will be coming up over the next few years, is Caltrans concerned with how much work will occur within a region, and how will Caltrans coordinate their work internally along with local agencies? Does Caltrans have a process in place for understanding the regional project environment?

**Tom Bouquin, Caltrans District 11** - responded that many of their (Caltrans) projects are now in the design phase (18 to 24 months out). They (Caltrans) are very concerned about material availability, and the availability of contractors, etc. They do have a “look ahead” to coordinate with some of their regional partners regarding upcoming work; they are also speaking with the County of San Diego to develop a GIS layer to determine where projects currently sit their progressive timelines to coordinate between the City of San Diego, the County of San Diego, the City of Carlsbad and their other local agency partners. No solution today, but they are working to achieve one prior to the increased construction project boom.

**Steve Ward, Pavement Recycling Systems** - stated that an SB1 Task Force has been established in Sacramento to address and tackle the above mentioned issue.

**Bill Morgan, County of San Diego** - commented that approximately a year and a half ago, the County worked with Associated General Contractors (AGC) to develop a public facing website where agencies could supply their information to provide a look ahead for others. There are different challenges for different agencies, but this is a tool that both parties (County and AGC) felt would be fairly easy to provide. They will be revisiting this concept after the first of the year to try to get it up and running. AGC currently does have a bid board for themselves, but are willing to make it a public facing website for others.

## Alternative Pavement - Information presented by: Mike Aguilar - County of San Diego

- stated the names of the attendees for the Alternative Pavement Subcommittee Workgroup.
- presented overview of the Alternative Pavement Subcommittee Workgroup spreadsheet
  - Kevlar Fiber in HMA
  - Conventional Concrete Pavement
  - Roller Compacted Concrete Pavement
  - Concrete as an Overlay
  - Full Depth Reclamation



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## Comments after Alternative Pavement presentation:

**Collins Solomon, County of San Diego** - queried if any discussions regarding the cost effectiveness of concrete applications versus traditional asphalt?

**Michael Aguilar, County of San Diego** - stated that studies provided by Purdue and the City of Roseville looked more at the long-term costs for maintenance, not short term. However, the Alternative Pavement Work Group will reach out to other agencies regarding both long-term and short-term costs and then provide information back to this group.

## **Closing Remarks**

### Facilitator: Melanie Estes, DPW Consultant -

- Asked for any final input or comments regarding the Sub-workgroups
- Asked if anyone feels there is a need to add any other Sub-workgroups to cover any addition topics? No responses received.

### **Mark Perrett, County of San Diego** -

- Stated that this group will meet again in early February, the tentative date is Monday, February 4, 2019.

### **Bill Morgan, County of San Diego** -

- Thanked Crystal Howard (Project Cornerstone) for offering to coordinate tours for those looking to become more knowledgeable regarding fractionation and all of the other processes which occur at the plants. Very educational and it fits with the core concept of this group which is to raise everyone's knowledge and ability to work with the materials available.
- Stated that Brandon Milar (California Paving and Asphalt Association) had also mentioned the possibility of a RAP workshop for all agencies within the region to gain a greater knowledge of all that is involved with the process of recycling pavement.
- Noted that Building Better Roads is now a separate webpage on the County of San Diego's public website containing relevant pertaining documents such as, meeting minutes, action items, agendas, as well as, PowerPoint presentations provided, etc.
- Asked that anyone with any suggestions or comments regarding anything that may need to be done to improve this Building Better Roads workgroup to please contact Melanie Estes, Mark Perrett or himself with their ideas.
- Again, thanked everyone for attending today's meeting.

## **Goals and Action Items**

Subcommittee workgroups to continue to meet, reevaluate, prioritize and identify specific actions. Establish timeframes.



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Tentative date for Subcommittee workgroups to meet mid-January. In the meantime, this group to reach out and make any additional recommendations to Subcommittee Workgroups for follow-up.

Subcommittee workgroups to identify action items as solved or near term solved.

Prepare preliminary reports for the Board of Supervisors with the Subcommittee Workgroup findings.

Schedule the next Building Better Roads Workgroup Meeting.

## Attendees:

Aguilar, Mike	Mott, Orland
Arebalo, Frank	Navarro, Jose
Bouquin, Tom	Ng, Eric
Caraet, Ron	Oppenheimer, Mike
Crompton, Rich	Perett, Mark
Erchul, Mary	Piceno, Robert
Estes, Melanie	Pirouzian, Ali
Estrada, Marco	Pound, Matt
Forrest, Nathan	Richardson, Jeff
Fouquette, Rick	Seivright, Suzanne
Gasaway, Dave	Shaw, Orrin
Herzberger, Tom	Solomon, Collins
Howard, Crystal	Tadros, Sam
Iaccio, Christopher	Torres, Christina
Inglis, James	Ward, Steve
Kezer, Keith	Warner, Jim
Koohi, Sam	White, Tripp
Milar, Brandon	Wolff, Eric
Morgan, Bill	