

PMPC Sponsors/Steering Committee/ Executive Committee Meeting Minutes

Date: April 16, 2020

Time: 8:30 am-10:00 am

Location: Phone Bridge Conference Call

Attendees: Sergio Aceves, Charley Rea, Michael Keever, Ray Hopkins, Dennis Agar, Rachel Falsetti, Tom Ostrom, Dara Wheeler, Dolores Valls, Brandon Milar, Roberto Lacalle, Douglas Mason

1. Introduction

A. Meeting started with roll call by phone

B. Sergio appreciated everyone calling in and being able to still hold the meeting during the COVID-19 pandemic.

2. Opening Comments (PMPC Sponsors):

Michael K.: Mentioned he was involved with the PMPC when it was called RPC, but it has been awhile. He expressed his appreciation for the collaborative efforts of Caltrans and Industry with the work we have been doing the past couple years. He wants everyone to be successful and sees this forum as a great tool for that. He is looking forward to working with the PMPC as a sponsor.

Dennis A.: He is hoping everyone is being safe and healthy. He said Cory forwarded his apologies for not being able to attend but he had another commitment. Cory is looking forward to working with PMPC group and any updates we can give him on our activities. Dennis thanked the team for their partnership and their progress on work products.

Rachel F.: Words have already been said that she doesn't want to repeat but I am impressed with the items moving forward in the PMPC. Looking forward to seeing future work products completed.

Tom O.: Wants to thank everyone for being here. He wanted to let everyone know that it is important to communicate, and we are doing that. We are all here, discussing materials during a pandemic. He wants to thank everyone for their commitment, dedication and progress with moving projects forward during the COVID-19 restrictions.

Dara W.: She appreciated being added to the group to bring the research side into the steering committee.

Sergio A: Wanted to thank Dara for joining the group to bring the research component into the PMPC.

Charley R.: Wants to thank Caltrans for keeping industry informed of latest guidelines or changes to procedures due to COVID-19 pandemic.

3. Action Items:

Action item from January 16, 2020 meeting:

1. Doug to send the three presentations from meeting to Kiana Valentine. (Doug Mason) Completed.

4. Status of Work Products:

A. ATG Work Products Status - Attachment 2

i. Statistical Pay Factor (SPF)

- a) Specification is completed. Sergio to send email out to District Maintenance and Design Deputies inquiring districts willing to participate in a SPF pilot project study to submit candidate projects. We looking to pilot the incentive/disincentive SPF specification on projects with HMA tonnages with over 10,000-15,000 tons.

- b) Brandon M.: Is it possible to add the specification to projects in the fourth quarter delivery?
Sergio A.: A lot depends on if we can add supplemental funds to those projects for the incentive/disincentive clause.
- ii. RAP – Up to 40% in HMA
 - a) A NSSP has been developed from working group. Working group is looking for districts willing to participate in pilot project with about 1,000 tons used for RAP and see how it performs and then adjust the NSSP until ready for SSP.
 - b) Michael K.: How are we managing the risk for the department and contractor? Sergio A.: Working group evaluated other states specifications that use RAP in their HMA to develop this NSSP. We also obtained industry guidance and Pavement tasked UCPRC last year to evaluate RAP in HMA pavement with their heavy vehicle simulator to test performance on rutting and cracking. Pilot project will limit the size of project to 1,000 tons.
- iii. Update Section 94:
 - a) This work product cleaned up sections in specifications containing emulsions and moved them to Section 94 where emulsion specifications belong. This specification was completed, and the training and guidance memo is scheduled to be delivered soon. Specification is to be published in April 2020 posting of specifications.
- iv. CT 125:
 - a) The work product is an updated test method and is completed. It was posted on-line by METS. Last milestone is waiting for the final report which is due later this month.
- v. Smoothness:
 - a) Specification developed in 2018. Work product is to evaluate the specification, to see if we are getting smoother roads for our incentive/disincentive pay, do we need to adjust the smoothness requirements up or down to meet our goals based on the existing test data.
 - b) Dennis A.: Are there 124 projects out in construction? Not all projects are out in construction but are in the pipeline to be awarded. Construction and working group are working together tracking the awarded projects with the REs to make sure we receive the data for evaluation.
- vi. Recycled Asphalt Shingles (RAS) - Up to 3%
 - a) This is one of our sustainable items. It has a similar path as the RAP work product followed. Working group is looking to districts for pilot project candidates. Looking to use about 1000-1500 tons of HMA in a pilot project with RAS Mix.
- vii. Closed/Tracking – Hamburg Wheel Test (HWT)
 - a) This work product is complete. This work product was started after industry had concerns about the HWT variability. The test method went through a vetting process in working group and then was updated. A success story for us.
- B. CTG Work Product Status - Attachment 3
 - i. Smoothness
 - a) Very similar issues as the Asphalt Smoothness specification but this is for PCC pavements. Waiting for meaningful data to come in to evaluate the specification.
 - ii. Precast Pavement Phase II
 - a) Effort to develop best practices/guidelines has been moved to a different phase, will be another work product. Specification has been completed. Guidance manual was behind schedule and it needed different working group for development of Best Practices Guidance manual.
 - iii. 4 x 8 cylinders
 - a) This work product is bringing smaller concrete cylinders to be used for testing in Caltrans and is a benefit due to lighter weight and transporting cylinders. Effort is complete. Final report was just submitted to the Executive Committee. Most projects will be using 4 x8 cylinders for testing for compressive strength.
 - iv. Concrete Mix Design Naming Protocol
 - a) This work product is developing a way to track a mix design to a concrete name. Currently going through SP&I review and is expected to be published by June 2020.

- v. Recycled Crushed Concrete Aggregate (RCA)
 - a) Another one of our sustainable items. This work product uses old concrete that is crushed and used as aggregate in new PCC. Working group developed a specification for allowing RCA in a two lift PCC layer as part of the bottom layer. Working group is looking to pilot the specification on 3 projects in 3 different locations for evaluation.
- vi. CT 523
 - a) This work product was to move the CT method more in line with the national standards. Issues to figure out was on curing environment. The test method was posted in April and the work product is complete.
- vii. Closed/Tracking – Limited Work Windows
 - a) This work product allows the opening of traffic based on compressive strength versus the standard 10 day waiting period. Specification is completed. Looking to pilot the specification .
 - b) Michael K.: We should be thinking about what Caltrans and industry are and can do to reduce greenhouse gases and other environmental impacts from materials and construction practices. While there are not mandates yet, such as EPDs, we should anticipate there may be mandates proposed and be able to demonstrate that significant policies are already in place or already underway. We need to be as best prepared as possible. It was briefly reviewed that the specifications for reclaimed asphalt pavement (RAP), recycled concrete aggregate, pilot projects with EPDs, and research on Type 1L cement are all important in this regard. Michael wants information on the efforts of Caltrans and industry have done or looking into for GHGs.
 - c) Rachel F.: **Michael, we will schedule a meeting with you to discuss the efforts Caltrans and industry have done for GHGs.**
 - d) Charley R.: Type 1L cement project is a big one to share as an example.

5. Potential Work Products for 20/21

A. ATG

- i. These bin lists give you the flavor for the highest priority of products for the PMPC.
- ii. RAP in RHMA
 - a) Working group is developing a scoping document for the product.
- iii. Post Plant Production
 - a) EC approved scoping document concept, waiting for full scoping document submittal.
- iv. Section 37 Update
 - a) Full scoping document was just submitted to EC for approval.
- v. Statewide JMF approval in DIME
 - a) Not sure why this item is still bin list since DIME is currently being implemented for all testing and JMFs.

B. CTG

- i. Priority 1, Full scoping document expected to be received in May for Type 1L concrete research
- ii. Priority 2 is concrete pavement strength acceptance based on compressive strength. Current method used in Caltrans in modulus or tensile strength for acceptance and this would change it to compressive strength. Executive Committee is waiting for full scoping document for approval.
- iii. Priority 3, Precast Pavement - Phase III - Executive Committee is waiting for full scoping document for approval. Executive Committee is waiting for full scoping document for approval.
- iv. Priority 5, Use of Maturity Testing to Determine Concrete Pavement Opening Strength - Executive Committee is waiting for full scoping document for approval.

6. Updates to the PMPC SOP and Charter

- A. PMPC is coming up on two and a half years of operation and we are looking to update the Charter and Standard Operating Procedures (SOP) as we learned what was working or needs to be adjusted. We started the process with asking the working groups, subtask groups, and task groups for their comments

on proposed changes needed to charter or SOP. Working to resolve those comments as task group approved and reasoning behind decision. Executives were reached out for their comments and will track the comments through a comment/resolution table process for proposed changes.

- B. Is this for expanding the industry members on the Executive Committee? We do not want individual contractors on the Executive Committee but associations with lots of members representing industries we work with.
- C. Would the update to the SOP include changes to the Executive Committee? Yes, if needed. When to expect the changes to be ready for signature, June? Targeting for 3-4 months, maybe late June or July.
- D. Suggestion for a tiered approach. Resolve task group, subtask group, and working group comments first, then Executive Committee comments and then submit to Steering Committee for their review with changes incorporated.
- E. **Action Item: Only Executive Committee to provide to provide their SOP and Charter comments by April 24.**

7. COVID-19 Update

- A. Brandon M.: Wants to thank everyone for being on today's call. Everyone is on same page for what we are trying to do and have the flexibility to adapt to keep moving our products forward. He is looking forward to continuing our collaborations to keep essential functions continuing and our projects going.
- B. Charley R.: Brandon covered a lot of the same topics he was going to hit. Our Governor Newsom was considerate to our construction and manufacturers labeling us essential in these tough times. Working in the San Francisco area is a different matter.
- C. Rachel F.: Is this a slow down in commercial construction? Yes.
- D. Michael K.: We are fortunate that transportation is considered essential as is state government when our neighbors are not able to work. We have been adaptable to the new guidelines to find ways to be successful. Governor has been able to defend the decision by it being successful.
- E. Dennis A.: Nothing to add. We are fortunate for what we had for what we are dealing with.
- F. Dara, Rachel and Tom: Nothing to add

8. Topics out of PMPC

- A. Hope everyone stays safe and healthy.

9. Open Discussion:

- A. Charles R: Anything on the revenue side affecting the planning side for projects?
- B. Michael K.: The gas tax revenues are down, that means real dollars are not coming in. Caltrans has the money set aside for the projects currently programmed. Caltrans is still going to the CTC next month with about double the funding amount of projects we delivered last year. We are not stopping projects or metering but there are questions coming out of this pandemic such as transit use, car use, or stimulus funding. Currently, all systems are a go, with a lot of uncertainty in the future depending on reaction to pandemic.

10. Action Items.

- A. Rachel to coordinate meeting with Mike K. to update Mike on the efforts Caltrans and industry have done on GHGs. (Rachel)
- B. Executive Committee to provide to provide their SOP and Charter comments by April 24. (All)

Next Meeting scheduled for July 16, 2020