

PMPC Sponsors/Steering Committee/ Executive Committee Meeting Minutes

Date: January 21, 2021

Time: 8:30 am-10:00 am

Location: Webex Meeting

Attendees: Sergio Aceves, Charley Rea, David Ambuehl, Cory Binns, Michael Keever, Ramon Hopkins, Dara Wheeler, Raymond Tritt, Nick Burmas, Tom Ostrom, Kevin Keady, Brandon Milar, Tim Greutert, Lindsey Hart, Douglas Mason

Recognition Guests: Clinton Edmiston, Kirk McDonald, Pete Spector, Kee Foo, Phil Reader, Don Vivant, Guadalupe Magana, Venu Gopal

1. Introduction

A. Meeting started with roll call and Sergio welcoming everyone to the Quarterly meeting.

2. Opening Comments (PMPC Sponsors, Steering Committee):

1. Cory: Hoping this year is better than last year.

2. Michael: Glad we are getting together to see where we are with the PMPC.

3. David: Thanks for having me in the meeting, looking forward to new year.

4. Tom: 2020 was a tough year. Looking to 2021 to accomplish great things. We have a lot of attrition happening with retiring staff and we as managers need to make sure we put the right people in positions where they can succeed.

5. Ramon: I just recently moved from the Executive Committee to the Steering Committee and want to recognize the hard work the Executive Committee, Task Groups and Sub Task groups accomplish getting the work products vetted, delivered and moving forward.

6. Dara: DRISI is looking forward to giving an update on Caltrans Research Projects efforts later in the meeting.

7. Sergio: It is great to see the groups still pushing forward with their work products during all the COVID restrictions, they have adapted to continue to deliver.

3. Highlight and Recognize Efforts

A. The Statistical Pay Factor (SPF) working group delivered a big specification for the department and we are recognizing them for their PMPC efforts in delivering this work product.

a. SPF specifications require the contractor to implement a comprehensive quality control program for HMA production and placement.

b. The quality control plan establishes minimum quality control testing frequencies to adequately monitor HMA quality. In placing the responsibility for quality on the contractor the quality control program will increase project efficiency, product quality, and contractor accountability by incentivizing exceeding contract specifications. The new specifications should also reduce state testing by using verified contractor QC tests results for acceptance and payment.

c. Working Group Industry team members recognized with certificates were Tony Limas, Pascal Mascarenhas, Phil Reader, and Don Vivant. Caltrans team members recognized were Venu Gopal, Kee Foo, Clinton Edmiston, Guadalupe Magana, and Pete Spector.

d. Tim: Want to say we sincerely appreciate your efforts!

e. Michael: We are looking at ideas or processes from industry that we can control to improve our product or process. Makes sense to incentivize what we want and partner working with industry to make it happen. Working together to find a better way!

B. Sergio proceeded on to the next recipient of recognition, Kirk McDonald for his years of service working with Caltrans, first the Rock Products Committee and then the PMPC.

- a. In 1998, a presentation on needed repairs to California's concrete pavements showed over 18,000 lane miles needing repair. His team worked on developing rapid strength gaining mix designs with Type III cement, accelerators and superplasticizers which started the rapid strength concrete use.
- b. Kirk worked with Caltrans on the mitigation efforts for alkali silica reactivity (ASR) when 25% Class F fly ash was first considered.
- c. Kirk helped Caltrans in developing cementitious requirements for the Authorized Material List.
- d. Worked with team in evaluation of up to 5% limestone into Portland cement specifications.
- e. Industry interface for the PMPC initial efforts when moving from Rock Products to PMPC and industry lead for Concrete Task Group (CTG) since PMPC started.
- f. Message from Kirk: Sees partnering success with the reorganization and transition from RPC to PMPC. He believes that Caltrans and Industry have worked very well together to make improvements to specifications for both parties, resulting in improved products for infrastructure and cost savings to state.
- g. Sergio: Thanked Kirk for his dedication and service to the PMPC. Sergio said Kirk was always a voice of reason and knowledge on the CTG when he had questions.
- h. Kirk: Thanked the group and the team for their kind words. Kirk said we have great team with the PMPC going forward.
- i. Tom: Our paths crossed a few times over the years. Kirk always had a Can-Do! attitude, let's roll up our sleeves and do the right thing for concrete.
- j. Charlie: Kirk was a huge asset for us and a good representative for the concrete industry.
- k. Brandon: Wanted to say thank you! Kirk, you modeled professionalism in your role, and I appreciated that when I first came into the PMPC and I have followed your example.
- l. Team members being recognized were excused from the meeting so, Sponsors and Steering Committee meeting could continue.

4. Action Items:

Action item from 10/15/2020 meeting:

1. At January's Sponsor/Steering Committee meeting, highlight and recognize working groups for their efforts in sustainability and statistical pay factor. (All) Completed.

Action Item: Add agenda item to April quarterly meeting to have a briefing or presentation on all sustainability items in the PMPC. Look at good work products that meet the Strategic Management Plan.

5. Pavement Program Update (Sergio)

- A. Sergio went over some of the PMPC major accomplishments for the Pavement Program such as smoothness, SPF nSSP, Hamburg Wheel Track test, CTM 125, Section 94-Emulsions, CT 523, use of 4 x8 cylinders were some of the items mentioned.
- B. Sergio highlighted some Pavement Program accomplishments which included In-Place Recycling training delivered, trial section of plastic pavement, working with UCPRC to develop a web application for environmental life cycle assessment for pavement (eLCAP), updated 2020 LCCA memo, and published 2019 APCS data to interactive GIS server and PaveM Portal applications.
- C. Additional accomplishments mentioned were the new APCS contract with Fugro for 3 years of data collections, delivered the 19/20 HM1 program (100% delivery), developed targets and allocations for State Highway System Management Plan.
- D. Presentation covered amount of lane miles collected each year, federal performance measures, percentage of Good, Fair and Poor roads by class, awarded Pavement projects in the SHOPP and HM program with lane miles, the 10-year financial plan for pavement

improvements, and the crumb rubber chart showing Caltrans effort in meeting the mandated crumb rubber use.

E. Charlie: Would like to hear more on eLCAP

6. Sustainability Research Summary by DRISI (Presentation by Nick Burmas)

A. Nick has worked for DRISI for the last 15 years managing the UCPRC contract which is updated every three years. UCPRC has two locations, one in Davis and one in Berkley.

B. Nick went through his presentation on pavement items related to sustainability in the UCPRC contract ranging from CalME, RHMA, RAP/RAS, binder specifications, environmental LCA, development of eLCAP, Rigid Pavement design and In-Place Recycling.

C. Charlie: Would like to hear more about eLCAP.

a. **Action Item: Develop a briefing on the development of eLCAP to the Executive Committee and Sponsors.**

7. Work Products for 2020 (Presentation by Brandon and Charlie)

A. Brandon went through the ATG's work products completed such as Statistical Pay Factor, Update Section 94-Emulsions, revised California test methods CT 125 - Sampling highway materials, CT306 - HMA sample reduction, and CT 389 – Hamburg wheel-track testing.

B. Brandon discussed the ATG's current work products in development such as RAP Up to 40% in HMA, RAS up to 3%, Smoothness specification, Post Plant Gradation, Section 37-Seal Coats update, updating and merging CIR recycling foam and emulsion specifications and RAP in RHMA mixes.

C. Charlie went through the CTG's work products completed. Work products Precast Concrete – Phase II, Specification for concrete pavements with limited construction windows, Use of 4 x 8 cylinders for compressive strength testing, CT 523-Testing for Flexural Strength of Concrete, and Recycled Crushed Concrete Aggregate for use in Cast In-Place Concrete Pavement.

D. The CTG's current work products under development were then discussed. Current work products include: Evaluate Concrete Pavement Smoothness, Concrete Mix Design Naming Protocol, Impact of Portland Limestone Cement on Concrete, Evaluating Maturity to estimate Open to Traffic Strength of Concrete Pavement, and Concrete Pavement Acceptance Based on Compressive Strength.

E. Final discussion item was the future PMPC work products that are coming soon which include developing nSSPs and pilot a project using Cold Central Plant Recycling in the ATG to alternative compaction method to determine application rate of lime for soil stabilization, alternative testing to R-value for unbound materials, Blended Supplementary Cementitious Materials (SCMs), and Performance Based alkali silica reactivity (ASR) Mitigation in the CTG.

8. Industry Feedback

A. Brandon: Biggest Challenge is partnering effort and with the PMPC efforts focused on delivering an outcome that works for everyone, want to say PMPC is working much better than the RPC was.

B. Charley: With the switch from RPC to PMPC, the group is more focused, we are seeing things getting accomplished that wasn't happening before. With COVID restrictions, seeing the Department consider different options available such as paperless tickets and training which is refreshing.

C. Brandon: The quality of individuals in the PMPC is refreshing. All have different backgrounds (Design, Materials, and Construction) and all are dedicated personnel focused on getting the task done.

9. Open Discussion (ALL)

A. Corey: Good meeting.

B. Mike: Brandon capped it off well, appreciate your collaboration between industry and Caltrans.

C. David: Great information and impressed with how well meeting went.

10. Decisions Made

A. None

11. Action Items.

- A. Add agenda item to April quarterly meeting to have a briefing or presentation on all sustainability items in the PMPC. Look at good work products that meet the Strategic Management Plan. (Doug)
- B. Develop a briefing on the development of eLCAP to the Executive Committee and Sponsors. (Doug)

Next Meeting scheduled for April 15, 2021