

PMPC ATG (TG+STG) Meeting Minutes

Date: August 16, 2023
Time: 1:00-3:00 PM
Location: Webex/ New Geotech Building Conference Room

Facilitator: Cathrina

Attendees: Chu Wei, Jacquelyn Wong, Pat Imhoff, Scott Dmytrow, Dennis McElroy, Saeed Pourtahmasb, Tony Limas, Steve Lee, Todd Vargason, Marco Estrada, Cathrina Barros, Joseph Dongo, Liya Jiao, Hadi Nabizadeh Shahri, Larry Hernandez, Ian Sun Chee Fore, Christina Pang

Not in Attendance:

1. Introductions/Review Agenda
2. Review past action items (notes inline)

Action Items from ATG (TG+STG Chairs-Leads) on 05/17/23:

1. Jackie: to have Biplab brief/present findings on zero speed IP to joint Asphalt/Concrete stakeholders. --**Done** (presentation made for CTG and ATG on 6/7)
2. Kee: to form a new WG ("High RAP and RAS Pilot Projects Data Collection and Evaluation Working Group") with a Scoping Document and to determine the target number of pilot projects needed. – **ongoing** (Final report submitted to STG; no WPG formed yet; on the process to form the WPG with target date in a month for a drafted scoping document; Tony to reach out to Kee Foo for the target date)
Action item: Kee/Tony send drafted scoping document for the new WPG of High RAP/RAS with a deadline of sometime next month (Sep 17).
3. Kee: to check with Saeed for the timeline of the final report on use RAP up to 40% in HMA. -**Done** (Saeed sent the final report to STG for comments, Saeed to send the report to Liya for ATG review)
4. Kee: to send data collection and evaluation plan to Liya for 10%RAP in RHMA-G. -**Done** (Kee shared the plan on 5/22)
5. Liya: to request comments on HMA Acceptance and Pay Criteria SD from ATG by next Monday for EC review. -**Done**
6. Kee: to provide a status update on BMD SD development for ATG and EC. – **Done** (August 15, Maged shared the SD draft with ATG)
7. Christina-to add PLC FDR-C pilots to the pilot project tracker. -**Done** (4 pilot projects have been added)
8. CT (Joseph lead) – to recommend the next step for Intelligent Compaction: if Caltrans is going to continue with IC or not? – **Done** (Kee Foo: Ragu (Construction) said they will make that determination in Nov 2023, Joseph will follow up with Ragu for more updates if there is any. Joseph will have a meeting with industry to discuss the next step)
Action item: Joseph will report future actions regarding the Intelligent Compaction.
9. Hadi: to coordinate updating Partner badges for industry. -**Done** (Hadi sent out the ADM2025P to industry)

Action item: Hadi to send industry members reminder to confirm the photo requirement and update badges with a deadline.

3. Introductory Urgent/Emerging Issues

A. RHMA-G binder content specification discussion (SPF)

- Tony: industry recommends increasing the RHMA -G binder content tolerance to +/- 0.56 when rolling out the SPF spec.
 - Joseph: needs more data to support this update.
 - METS, OAP and construction have agreed on leaving the current spec as it is until more data is available to make adjustments.
 - Jackie: suggest WPG/STG to verify the pavement performance and collect all relevant information for future discussions.

B. Section 92 updates (Cathrina)

- Cathrina: Sharing for awareness since RAP/RAS pilots require changes in Section 92. Section 92 was written prior use of RAP and other binder additives. Also updates to PG binder grade tables in the Highway Design Manual are needed to reflect rising temperature in CA. Would like to form a committee which includes binder suppliers, METS, Asphalt Institute, and other industry members. Not sure how this fits in the PMPC – any suggestions from ATG are welcome.
 - Scott: the changes in Section 92 PG table will have impacts on base binder and Section 94. “Asphalt Emulsions”.

4. EC updates for ATG

- Hadi: reminder for the in-person EC meeting next day.

5. Pavement Preservation Subtask Group Update

Active Work Product

A. 2021 Section 37 Fog Seals Update

- Drafted final report for ATG and share spec to stakeholders' concurrence.
- Training plan will be included in the final report.

Action item: Steve to add training plan to the final report for Section 37 fog seal.

Scoping documents Under Development

A. 100%RAP in Chip Seal

- SD has been reviewed and approved by EC. Next step is to collect ATG signatures.

B. 100%RAP in Slurry Seal & Microsurfacing

- SD has been reviewed and approved by EC. Next step is to collect ATG signatures.

Ad Hoc Working Groups

A. None

Decision documents Under Development

B. Section 37 FHWA comments

- The DD is not with ATG nor EC.

Action item: Steve will share the DD of section 37 FHWA comments with Liya for ATG review/signature/posting.

6. Asphalt Subtask Group Update

Active Work Product

A. Use RAP up to 40% in HMA/ B. Use RAS up to 3%

- Saeed will share the combined final report on RAP and RAS with ATG for review.

C. Post Plant Gradation

- Implementation of post plant gradation will roll out before the next specification and be potentially through CPD.
- The concern about VMA will be added to the bin list.

D. 10% RAP in RHMA-G

- Evaluation plan has been completed.
- More sampling and testing have been conducted from pilot projects. Samples have been collected and tests to be done.

E. HMA acceptance and pay criteria

- SD has been signed by ATG and EC.

Scoping Documents under development

A. Implementation of Balanced Mix Design

- ASTG and WPG met on August 15 on SD. ASTG shared the drafted SD on August 15.

Action item: Liya will share BMD SD with ATG for review. ATG will have a deadline of August 21 to review and share with EC.

Ad Hoc Working Groups

A. Zero Speed Inertial Profiler (joint effort between ATG and CTG)

- EC is conducting fatal flaw review. The item will stay on until published.

B. CT 125/306 Review

- A third source of sample was found at Vulcan Lake Herman (Vallejo) and sampling has been conducted.

Decision Documents Under Development

A. Remove water injection WMA technology from the WMA AML.

- EC is doing fatal flaw review.

B. METS had 3-4 items and is working with industry in ASTG.

- Subtask group is reviewing these items and not ready for circulation to the ATG.

7. In-Place Recycling Subtask Group Update

Active Work Products

A. Develop CT for FDR-C and Update Specification for UCS

- The final report is being drafted.

B. Update FDR-FA specification

- Scoping document has been signed.
- Waiting for Industry to confirm their members in the working group. Will follow up with Marco.

Scoping Documents Under Development

A. PDR as standard specification

- WPG are trying to stay on the current milestone timeline to make it to next year's Specification update. Multiple milestone efforts are taking place concurrently.

B. Revised effort for PDR as surface wearing course

- Larry: Final report is being drafted by WPG.
 - Jackie: If the original timeline cannot be met, a milestone extension should have been requested from ATG.
 - Larry: A plan to add to the scope and extend milestone did not materialize.

Ad Hoc Working Groups

- None

Decision Documents Under Development

- Section 30-1 revision to require laboratories performing mix design to comply with the Department Independent Assurance Program.

Action item: Larry to check with Dennis and Marco regarding the best approach (maybe not DD) to handle this new requirement for IA certification for lab performing mix design.

8. Review Bin Lists and Pilot Project Tracker

Action item: Liya to share Larry's bin list for template.

Action item: ASTG-WPG will be grouped to update the bin list.

Action item: Steve to share the most recent updated project track before EC meeting (COB August 16).

9. Roundtable / Review Action Items / Next Meeting

- Next meeting: TG+STG- Nov 15th (1-3 PM).
- Roundtable:
Scott: the next TG+STG will be the last meeting for him.

Action Items from ATG (TG+STG Chairs-Leads) on 8/16/23:

1. Kee/Tony – To send drafted scoping document of the new formed WPG for High RAP/RAS with a deadline of one month (Sep 17).
2. Joseph – To report future actions regarding the Intelligent Compaction.
3. Hadi - To send industry members reminder to confirm the photo requirement and update badges with a deadline.
4. Steve - To add training plan to the final report of Section 37 fog seal.
5. Steve - To share the DD of section 37 FHWA comments with Liya for ATG review/signature/posting. **-Done (Steve shared on August 16).**
6. Liya - To share BMD SD with ATG for review. ATG will have a deadline of August 21 to review and share with EC. **-Done (Maged shared the drafted SD with Liya and ATG on August 16).**
7. Larry - To check with Dennis and Marco regarding the best approach (maybe not DD) to handle this new requirement in Section 30-1 for IA certification on lab performing mix design.
8. Liya - To share Larry's bin list as template for other subtask group. - **Done**
9. ASTG-WPG: - To update the bin list.
10. Steve - To share the most recent updated project track before EC meeting (COB August 16). **-Done (Steve shared the project track on August 16)**

Action Items from ATG (TG 3+4) on 7/18/23:

1. Liya- To send survey monkey for scheduling TG (3+4) to morning. Make sure it is before EC meeting (preferred timeslot: First Monday Morning 10-12).
2. Phil- to share IC nSSP with Todd.
3. Joseph- To check with Chuck to see if there is any background information related to the fog seal moratorium lift memo.

Action Items from ATG (TG+STG Chairs-Leads) on 05/17/23:

1. Jackie: to have Biplab brief/present findings on zero speed IP to joint Asphalt/Concrete stakeholders. **--Done (presentation made for CTG and ATG on 6/7)**
2. Kee: to form a new WG ("High RAP and RAS Pilot Projects Data Collection and Evaluation Group Working Group") with a Scoping Document and to determine the target number of pilot projects needed.
3. Kee: to check with Saeed for the timeline of the final report on use RAP up to 40% in HMA. **-Done (Additional comments from METS were received and WG leads (CT and Industry) responded to the comments. The report is being finalized for submission)**
4. Kee: to send data collection and evaluation plan to Liya. **-Done (Kee shared the plan on 5/22)**
5. Liya: to request comments on HMA Acceptance and Pay Criteria SD from ATG by next Monday for EC review. **-Done**
6. Kee: to provide a status update on BMD SD development for ATG and EC.
7. Christina-to add PLC FDR-C pilots to the pilot project tracker. **-Done**

8. CT (Joseph lead) – to recommend the next step for Intelligent Compaction: if Caltrans is going to continue with IC or not? – **Done (Kee Foo: Ragu (Construction) said they will make that determination in Nov 2023)**

9. Hadi: to coordinate updating Partner badges for industry. -**Done (Hadi sent out the ADM2025P to industry)**

Action Items from TG 3+4 on 06/01/22:

1. CT 125/306 - Phil and Pat: Industry will review test method changes, workplan, solicit volunteers for materials, and report back; need 2 north and 2 south material sources.
 - a. 01/04/22 – Still waiting on 3rd source in Northern California for the rubberized ILS study in the spring.
 - b. 09/07/22 – Still on the hunt for another volunteer.
 - c. 07/05/22 – Industry is recruiting volunteers. 2 sources have been identified and at least 1 more is needed.

For PMPC meeting minutes please visit:

- EC Meetings: [Pavement & Materials Partnering Committee \(PMPC\) Meeting Minutes | Caltrans](#)
- ATG Meetings: [Asphalt Task Group | Caltrans](#)
- CTG Meetings: [Concrete Task Group | Caltrans](#)