

Asphalt Task Group Meeting Minutes

Date: August 7, 2018

Time: 1:00 PM – 2:30 PM

Location: Translab Conference Room

Attendees: Mark Suchanek, Tim Greutert, Tom Pyle, Blair Anderson, Tony Limas, Tracy Zubek, Kee Foo, Raghu Shrestha, Pat Imhoff, Marco Estrada, Scott Dymtrow, Marcella Weibke

1. 1:00 PM - Introductions
2. 1:05 PM – Purpose of Meeting
3. 1:10 PM – New PMPC Process Review
4. 1:20 PM – 2018/2019 Project Prioritization
5. 2:15 PM - Next Steps
6. 2:30 PM – Adjourn

Meeting Notes:

1. Introduction
2. Purpose of Meeting
 - a. Marcella outlined the purpose of the meeting and the process moving forward.
3. New PMPC Process Review
 - a. The purpose of this part of the meeting was to develop the Work Product List for presentation to the Executive Committee for approval. Most of the discussion is outlined below in the project list.
4. 2018/2019 Project Prioritization
 - a. Due to the length of the Asphalt Subtask Group's list, it was decided to move to the other subtask groups first.
 - b. Preservation Subtask Group**
 - i. Scott Dymtrow gave a recap of the projects on their list. Tim asked if the Sections 94 and 37 were related. Scott indicated that they are not. Mark asked if this was the full list which it is. The list is good to go as noted below.
 - c. Recycling Subtask Group**
 - i. Tony asked if it was appropriate to move the RAS issue to the Recycling STG since it is tied to binder content. After discussion, it was decided to leave it on the Recycling STG Work Product List. Marcella will correct the description.
 - ii. The previous CIR project needs to be added to the Pilot Project Monitoring List. This list is good to go with the modifications noted.
 - d. Asphalt Subtask Group**
 - i. Statistical Pay Factor (QC/QA) – NSSP will be sent to Industry by COB 8/10/18. Industry will return comments to Kee by COB 8/24/18. Industry requested a short (1 week) review prior to release of the nSSP. This will be to ensure that any changes in OCCS (previously OE) haven't created any fatal flaws.
 - ii. Most of the top remaining items from the previous Section 39 subtask group are included in the item listed as Material Testing. The name will be modified to ensure

- all that have previously been engaged in this subtask group are aware that the work is continuing.
- iii. Intelligent Compaction has been a previous project. It will remain be maintained in the bin list for follow up once all data from pilot projects is collected. Other items were left on the list with no priority number as “bin list” items. These items, for now, will be worked on as the prioritized projects are completed.
 - e. See the attached list for other notes.

**Asphalt STG Work Product Prioritization
August 10, 2018**

Consensus Priority	Work Product Title	Project Description	Deliverables	Length of Project	Notes
1	Implement Statistical Pay Factor (Formerly QC/QA)	No project description.	<ol style="list-style-type: none"> 1. Finalize Specification 2. Develop list of data to be collected from Pilot Projects. 3. Develop training and deployment plan. 	1 year	<p>Kee will send out the nssp for Industry to review for fatal flaws by COB 8/10/18. Industry will provide comments back by COB 8/24/18. Once nssp is through the OCCS (OE) process, the nssp will be routed to Industry for one final review. Timeframe will be to return comments within 1 week.</p> <p>The intent is release a nssp for use in projects during the 2019 construction season. Once the data has been collected, the nssp will be reviewed for necessary changes. A new working group will be developed to review and finalize the SSP.</p>
2	Finalize and Deploy Smoothness specifications and design guidelines.	Provide training to designers, resident engineers and Industry on implementation and use of the Smoothness spec.	<ol style="list-style-type: none"> 1. Development of training. 2. Deployment of training. 	1 year	No notes.
3	CT 125	CT 125 needs to be revised and must provide training standardizing the use of the test method.	<ol style="list-style-type: none"> 1. Revised test method. 2. Training class on how to use the test. 3. Deployment of training. 	1 year	Recognition that this is an important topic. Concern that this could be accomplished in 12 months. Needs connection to JTCP and IA. Changes will resolve Section 39 outstanding issue - RHMA-G variability during sample preparation
4	Section 39 - Material Testing Issues	<p>Follow up on Section 39 Work Product to finalize the following items:</p> <ol style="list-style-type: none"> 1. HWT variability and test method (HMA and RHMA-G) 2. Determine/Verify standard deviation for rubberized binder content 3. Standardized test method for Effective Specific Gravity (Gse)Post plant gradations for HMA 	No deliverables.	1 year	Need to further define what can be accomplished in 12 months.
5	Statewide JMF approvals in DIME	<p>Develop a web based application for evaluating CEM-3511, 3512, and 3513. Contractors would electronically submit proposals and design data and Caltrans would submit verification test data. Benefits would include:</p> <ul style="list-style-type: none"> • Automated JMF verification results. • Access to real-time statewide JMF data. • State-wide consistency in test records. 	Web based application	1 year	No notes.

Consensus Priority	Work Product Title	Project Description	Deliverables	Length of Project	Notes
6	Section 39 Quality Characteristics	Follow up Work Product to finalize the following items: 1. Payment and Non-Payment Quality Characteristics. 2. Two consecutive tests. This issue will only require follow up if Item 1 isn't resolved.	Pay equations.	No length of project.	No notes.
7	Intelligent Compaction	Review data from projects currently using IC and revise SSP as appropriate.	Revised SSP.	No length of project.	This is to follow up on the previous PMPC IC project. A scoping document will be submitted once the data has been analyzed.
8	Evaluate the option to use 1/2" RHMA in 0.2' lifts when 3/4" is spec'd out.	No project description.	No deliverables.	No length of project.	No notes.
9	Reclaimed Asphalt Pavement in Rubberized Hot Mix Asphalt	Caltrans currently does not allow any Reclaimed Asphalt Pavement (RAP) to be used in Rubberized Asphalt Hot Mix Asphalt (RHMA). Caltrans is increasing the use of RHMA which decreases the amount of HMA where RAP can be used. The use of RAP in RHMA should be the next step in increasing RAP usage in California.	No deliverables.	No length of project.	August 2018 – under research by UCPRC.
10	Performance Graded Asphalt Rubber Binder	Develop a Performance Graded specification for asphalt rubber that contains crumb rubber particle size up to 2 mm (10 mesh) with consideration of climate zone and traffic levels and replace the current recipe-specification.	No deliverables.	No length of project.	August 2018 – under research by UCPRC.
11	Section 39 – Method Compaction	Review temperature requirements for method compaction	No deliverables.	No length of project.	No notes.

Preservation STG Work Product Prioritization

Consensus Priority	Work Product Title	Project Description	Deliverables	Length of Project	Notes
1	Update Section 94	Industry says Section 94 is out of date and needs to be revised with correct test methods and updating to commercially available emulsions.	Revised Specification	1 year.	Industry lead has committed to collecting comments from Industry by 10/31/18. Team anticipates only needing 3 meetings to complete Work Product.
2	Review and update Section 37.	Section 37 changes have been in effect for 2 construction seasons now. The team would like to review the use of the new spec and make modifications based on feedback from projects. This will include Micro-Deval requirements which were added to QC/QA but left out of the final requirements and needs to be completed.	Revised Specification	Draft SP to OE by June 30, 2019.	<ol style="list-style-type: none"> 1. Industry lead has committed to collecting comments from Industry by 12/31/18. Team anticipates minimal number of meeting for resolution. 2. CTM 339M has been submitted to METS for approval and currently is required in the specification. Without approval of CTM 339M, the spread rate for hot applied seal coats can't be measured. PMPC SFP will start the process of getting this issue resolved.
3	Develop Fog Seal Specification without skid tester requirement.	STG was waiting for METS to develop a new skid tester and the new skid tester was not reliable. Would like to complete specs without skid tester or friction requirements but use guidelines on where and how to place fog seals.	<ol style="list-style-type: none"> 1. Revised specification 2. Guidelines 	1 year once legal approves removing the skid tester requirement.	Use of Fog Seal has been under moratorium for many years. Maintenance staff want to use it on low volume roads. The moratorium requires the measurement of skid resistance. The viability of doing skid testing is none existence. Fog seal is being used in other states on specifically designated roadways. The team can't move forward without the moratorium being lifted.
4	Rubberized Slurry Seal	This product has been considered for a couple of years as it would increase the Department's use of crumb rubber. However, there are 3 proprietary methods for the mixture and placement. Issue with moving forward has been how to incorporate the use of proprietary items in a specification.	New Specification	Draft SP to OE by June 30, 2019.	Various cities and counties have been adopting specifications related to one of the methods. The team wishes to enlist the assistance of CT Office Engineers for formulating the specification.
5	Warm Mix Asphalt Rubber Chip Seal	Pilot projects are being monitored for post construction performance of several types of asphalt rubber type chip seals and explored the use of warm mix additives in chip seals	No deliverables.	No length of project.	This project should be placed on the Pilot Project Monitoring List. CP2 (CSU Chico), is doing the follow up monitoring. 2 more years of studies are recommended (a total of 5 years)

Recycling STG Work Product Prioritization

Consensus Priority	Work Product Title	Project Description	Deliverables	Length of Project	Notes
1	Review Section 30-4	Review and revise as appropriate as related to Full Depth Reclamation – Cement.	1. Revised specification	1 year.	Per Industry, the specification is currently under review and comments are being provided.
2	Specifications to allow RAS up to 3%	Add specifications in Section 39 to allow recycled asphalt shingles in HMA.	1. A new specification	1 year	There is political interest in allowing the use of RAS. Many local agencies and other states are already using RAS. As there are existing specifications, this should move through smoothly. Staff did indicate that there might be a concern related to the amount of binder in RAS.
3	Section 39 RAP	Follow up Work Product to move forward with developing a SP(?) to advance the use of RAP in HMA up to 40%	Revised SP	1 year	No notes.
4	FDR/Foamed Evaluation of Completed Projects	This one is to review and evaluate pavement performance and adjust specification if needed.	No deliverables.	No length of project.	This project will be placed on the Pilot Project Monitoring list.