



Concrete Task Group – Quarterly Meeting
March 13th, 2019
10:00 AM – 12:00 PM
DOT Translab – OSM Room 514
Call-in: 866-676-8836; Participant Code: 6275887

Meeting Called By:	Concrete Task Group
Goal:	Obtain update of current scoping documents
Invitees:	Keith Hoffman, Kuo-Wei Lee, Blair Anderson, Kirk McDonald, Mark Hill, Dulce Feldman, Bruce Carter, Divyesh Vora, Arshad Vali, Jacquelyn Wong, Nathan Forrest, Cortney VanHook, Charles Stuart

ITEM	TIME	Lead	TOPIC	Desired Outcome
1	10:00 – 10:05	Keith H.	Introductions/Review Agenda	Member introductions and agreement on agenda
2	10:05 – 10:15	CIP STG	Pavement Smoothness - Smoothness Memo Update	Review of signed scoping documents. Provide current status from each working group.
3	10:15 – 10:25	CIP STG	Limited Construction Windows	Review of signed scoping documents. Provide current status from each working group.
4	10:25 – 10:35	Precast STG	Precast Pavement – Phase II	Review of signed scoping documents. Provide current status from each working group.
5	10:35 – 10:45	M&QA	4x8 Cylinders	Review of signed scoping documents. Provide current status from each working group.
6	10:45 – 10:55	M&QA	Concrete Mix Design	Review of signed scoping documents. Provide current status from each working group.
7	10:55 – 11:05	M&QA	Recycled Crushed Concrete Aggregate	Review of signed scoping documents. Provide current status from each working group.
8	11:05 – 11:15	M&QA	CT 523 – Flexural Beam	Review and sign scoping document
9	11:15 – 11:20	CTG	Review of issues raised to TG for resolution	Review of any issues that have been brought to the TG level for review

10	11:20 – 11:30	CTG	Review of STG Bin Lists	Review and prioritize for next FY
11	11:30 – 11:40	CTG	Status of pilot projects/long-term tracking/Standard Specs	Track status of pilot projects and additional long-term item
12	11:40 – 11:50	CTG	Research Update/DES Committee Updates	Obtain update of research items or DES Committee items that may be beneficial to CTG
13	11:50 – 12:00	CTG.	Roundtable / Review Action Items / Next Meeting	Review action items and close meeting

Pre-Reads:

- CT 523 – Flexural Beam Scoping Document
- STG Bin Lists (Pending receiving prioritized bin lists by 3/8/19)

Meeting Minutes:

1. Introductions/Review Agenda
 - a. Keith – need to update status spreadsheet in preparation for the EC/CTG meeting next Thursday, 2/21; also need to provide a single prioritized bin list
2. Pavement Smoothness
 - a. Pavement smoothness memo sent out on 2/14
 - b. Two projects have new pavement smoothness spec on it. Will start to see some data soon.
 - c. Dulce – Will not have very much information in June for interim report. May want to provide a report informally
 - i. Keith – Will want to just provide a brief update to the EC at that time. Consider doing a one-pager
 - d. Need to update the status spreadsheet with all of the different outreach that has been performed.
 - e. Courtney to send the latest status update sheet to everyone for populating with updates
 - f. Developed flyer (along with industry) for long term pavement
3. Limited Construction Windows
 - a. Dulce – Need to still send out for kick-off meeting by end of this week.
 - b. Will want to look at what other DOT's are doing
4. Precast Pavement – Phase II
 - a. Working group met with February 19th and came up with risk register and priority. Planning on finalizing by the end of this month within the STG
 - b. Items identified in risk register report will end up in the risk register
5. 4x8 Cylinders
 - a. Worked on getting an NSSP by February. Draft is completed.
 - b. How high up does the nSSP get reviewed?
 - i. Will be passed to the STG review and then to the TG for review
 - c. Targeting 5 pilot projects
6. Concrete Mix Design
 - a. Developing tolerances about what constitutes a new mix design and what doesn't
 - b. Trying to make it as straight forward and as simple as possible
 - c. As it relates to EPD's: If a change will adjust something by more than 5% then will constitute new mix design
7. Recycled Crushed Concrete Aggregate
 - a. Want the working group clarify that everyone is discussing the same definition of recycled concrete aggregate
 - b. Deepak - Should be clear as far as the recycled material should be the same or better material
 - c. Bruce - Source doesn't matter if you have quality assurance tests
 - i. Kirk - There are aggregates that we do know the properties and there are aggregates that we don't know the properties
 - d. Kirk – Working group should agree to some level what they are looking at; they need to know what they are working on. This shouldn't change the scoping document. The scoping document should be all encompassing and then if needed separated out into bins
8. CT 523 – Flexural Beam
 - a. Bruce – has not yet seen updated version
 - b. Industry Members: Bruce Carter, Marc Roberts, Nathan Forrest
 - c. Kuo-Wei - Approach/Consistently Updated: Spec changes or manual changes? Thought agreement to just make manual changes
 - i. May require minor specification changes

- ii. Deepak - Cannot do CT changes without doing a spec change because it will affect contractual requirements
 - iii. Specification changes addressed in revised scoping document updated in the meeting
- 9. Review of Issues Raised to TG for Resolution
 - a. No issues at this time
- 10. Review of STG Bin Lists
 - a. M&QA – Prioritized bin list submitted as of 3/13/19. List includes 7 items from this STG
 - i. Bruce – Flyash: May not be a concern come fall
 - ii. A few bin list items may be able to be tied together; such as the two flyash items (item 4 & 6)
 - iii. Type 1L:
 - 1. Kirk - possibility of pilot projects in concurrence with research?
 - 2. Bruce – Type 1L is such an important issue. Not a new issue with other states; may be new to CA. Encourage to move higher on priority list.
 - 3. Jackie –Suggestion to create task to create scoping document now but keep as an emerging initiative and to prioritize when it happens
 - b. CIP – Prioritized bin list includes sent over 3/11/19. List includes 10 items from this STG
 - i. RSC Specifications
 - 1. Bruce: Monitor how nSSP is working and roll into standard specification or special provisions.
 - ii. Pavement Manual: Bruce - Would like to see guidelines for development of QC plans
 - iii. Kirk – Concerns that some of the bin list items are similar to the other STG. Should have some type of coordination to make sure efforts don't conflict
 - c. Precast pavement will be working on prioritized bin list for next FY
- 11. Status of pilot projects/long-term tracking/Standard Specs
- 12. Research update/DES committee updates
 - a. BCOA design method
 - i. Currently comparing Pavement ME method vs Julie's MnDot method. Looking at combining the best of both methods.
 - ii. Looking to get a report to Dulce by early April
 - b. BCOA pilot
 - i. Construction will be starting in the next week or so; state route 113
 - c. Pavement smoothness specification study
 - i. On hold but do have funds there if need help from research
 - d. Early age cracking
 - i. Lane replacing - interim report done on plastic cracking
 - ii. individual slab replacement - problem with 2016 data so having to go back and reduce some of that
 - e. ADDITIONAL UPDATES ATTACHED
- 13. Roundtable / Review Action Items / Next Meeting
 - a. QCQA specs are in the April RSS; any projects that come through after April 19 to incorporate
 - b. RSS in 2016 specs that changed curing specs; Issue with 2018 specs change to method 2 for acceptance.
 - i. Cannot accept off of method 2
 - ii. Working with spec and design to try and remedy

Action Items

Item	Task	Owner	Due Date
1	Send latest status update spreadsheet to STG chairs	Cortney	3/13/19
2	Review bin list and re-prioritize with STG if needed	Jackie	3/15/19
3	Precast STG to send over prioritized bin list	Divyesh	3/15/19

Action Items from 2/21/19

Item	Task	Owner	Due Date
1	Follow up with Charles Stuart on Industry Outreach for smoothness	Kuo-Wei	3/8/19
2	WG to update the database more frequently	WG Chairs	3/1/19
3	STG to monitor and check database to make sure it is getting updated	STG Chairs	3/1/19
4	STG to make sure that the WG are staying on top of their meeting minutes/Deepak to be invited to all meetings	STG Chairs	3/1/19
5	Cortney to follow up with Jackie on status of CTM Scoping Doc for CT 523	Cortney	3/1/19
6	Cortney to add to next CTG (CT + Ind) a status on the smoothness memo (Sergio/Phil)	Cortney	3/1/19
7	Resend out bin list reminder and note that there are no precast items	Cortney	2/21/19
8	Contact SPI and obtain status of spec development for Precast Mix Design and Testing Data	Divyesh	3/8/19
9	Kuo-wei to follow up on standards for patching material: <ul style="list-style-type: none"> — Send out report from consultants that was looking at patching material — Schedule a meeting for METS and Maintenance road deck and any other interested parties to update 	Kuo-Wei	3/18/19
10	Follow up on “Evaluation of Concrete Pavement Represented by Low Flexural Strength Test Results”	Dulce	3/8/19

Concrete Task Group Meeting Attendance Log

Member	Role	TG Meeting Date																							
		9/12/2018	12/12/2018	1/24/2019	2/21/2019	3/13/2019	TBD																		
Keith Hoffman	CT Chair	✓	✓	x	✓	✓																			
Kuo-Wei Lee	CT Member	✓	✓	✓	✓	✓																			
Blair Anderson	CT Member	✓	✓	✓	✓	✓																			
Kirk McDonald	Industry Lead	✓	✓	✓		✓																			
Mark Hill	Industry Member	✓	✓	✓		✓																			
Dulce Feldman	CIP CT Chair	✓	✓		x	✓																			
Bruce Carter	CIP Ind. Lead	✓	✓			✓																			
Divyesh Vora	Precast CT Chair	✓	✓		x	✓																			
Doug McLaughlin	Precast Ind. Lead	✓																							
Jacquelyn Wong	M&QA CT Chair	✓	✓		x	✓																			
Nathan Forrest	M&QA Ind. Lead	✓	✓			✓																			
Marcella Wiebke	PMPC Exec. Asst.	✓																							
Joe Holland	UCPRC	✓	x			✓																			
Arshad Vali	Precast Ind. Lead		✓			✓																			
Charles Stuart	CIP Ind. Member		✓			✓																			
Deepak Maskey	EC Coordinator				✓	✓																			

Key	
✓	Present
x	Absent
	Not Required