



Concrete Task Group – Quarterly Meeting Minutes
June 13, 2019
1:00 PM – 3:00 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 work products
Invitees:	Keith Hoffman, Kuo-Wei Lee, Blair Anderson, Kirk McDonald, Mark Hill, Dulce Feldman, Diveyesh Vora, Jacquelyn Wong, Bruce Carter, Arshad Vali, Nathan Forrest, Cortney VanHook

ITEM	TIME	Lead	TOPIC	Desired Outcome
1	1:00 – 1:05	Keith H.	Introductions/Review Agenda	Member introductions and agreement on agenda
2	1:05 – 1:15	CIP STG	Pavement Smoothness	Review of signed scoping documents. Provide current status from each working group.
3	1:15 – 1:25		Limited Construction Windows	
4	1:25 – 1:35	Precast STG	Precast Pavement – Phase II	
5	1:35 – 1:45	M&QA STG	4x8 Cylinders	
6	1:45 – 1:55		Concrete Mix Design	
7	1:55 – 2:05		Recycled Crushed Concrete Aggregate	
8	2:05 – 2:15		CT 523 – Flexural Beam	
9	2:15 – 2:20	CTG	Review of issues raised to TG for resolution	
10	2:20 – 2:25	CTG	Review of STG Bin Lists	Review bin list for any potential scoping documents
11	2:25 – 2:35	Kuo Wei	Pooled Funds Work with FHWA	Information sharing
12	2:35 – 2:45	CTG	Status of pilot projects/long-term tracking/Standard Specs <ul style="list-style-type: none"> - Crackless bridge deck - Low Flexural beam spec language 	Track status of pilot projects and any additional long term items

13	2:45 – 2:55	CTG	Research Update/DES committee Updates	Obtain update of research items or DES committee items that may be beneficial to CTG
14	2:55 – 2:00	CTG	Roundtable / Review Action Items / Next Meeting	Review action items and close meeting

Meeting Minutes:

1. Introductions/Review Agenda
2. Pavement Smoothness
 - a. Dulce keeping list of projects that have pavement smoothness specs
 - b. Deborah is keeping track of list on her side for HQ construction
 - c. Three workshops completed
 - i. Two in Socal: D11, D12
 - ii. One in Sacramento
 - d. Dulce to provide a 1-2 page update on pavement smoothness status
 - e. Blair – Doesn't believe there is a very big data set to be able to analyze and produce reports for milestones number 3 and 4
 - i. Need to reevaluate the due dates for these milestones
 - f. Need to be taking a look at the 12 month look ahead to get an idea of advertised projects
3. Limited Construction Windows
 - a. Dulce, Charles, Frank, Vince met in Santa Fe Springs
 - b. Work Product is on track for the milestones
 - c. Developed spreadsheet showing strength numbers by date or value
 - d. Evaluating whether they use compression or flexural
 - e. Dulce to provide database update by tomorrow 6/13/19
4. Precast Pavement – Phase II
 - a. Risk register is complete, Caltrans met with Industry and determined which projects to work on
 - b. Dulce to provide updates on the database
5. 4x8 Cylinders
 - a. Completed all milestones up through #5
 - b. Comments have been returned from STG to WG on Training and guidance. WG will review and revise
 - c. Currently working on monitoring data
6. Concrete Mix Design
 - a. Meeting held on Tuesday morning, 6/11/19
 - b. Working on batch tolerances, will have another meeting early July
7. Recycled Crushed Concrete Aggregate
 - a. Literature review timed with CSU Chico
 - b. Chico state review will be sorting through and organizing reports and literature review (over 40 reports identified)
 - c. WG is still on track to meet September deadline
 - d. If not already in scoping document need to put together benefits of green house gases, sustainability benefits
 - i. Confirmed scoping document states the research and evaluation of these items
8. CT 523 – Flexural Beam
 - a. CTM was drafted and has been routed on 6/3/19
9. Review of issues raised to TG for resolution

- a. No issues raised at this time
10. Review of STG Bin Lists
- a. Is there any additional items that STG wants to add
 - i. Not at this time
11. Pooled Funds Work with FHWA
- a. There are two different efforts:
 - i. Mobile lab going around showing what are the capabilities for QCQA
 - 1. Will be doing a demo in SoCal as information only
 - ii. Transportation pooled fund study will be collecting data from shadow testing
 - b. PEM is still approximately 5 years out. PEM is superpave of concrete.
 - c. Will be here till the end of June collecting data and performing testing
 - d. Keith – want to track this effort to keep up to date on where everything is at
 - e. Bruce – still need to bring all tests over to equivalent ASTM/AASHTO tests first
 - i. Bringing CTMs over to ASTM/AASHTO
 - 1. Currently 9 in the que being worked on
 - 2. Evaluating how to best implement with the new CTM process
 - 3. Determining how to address revision dates
 - f. Deepak – information from these pooled funds should be provided as information only. Not officially PMPC
12. Status of pilot projects/long-term tracking/Standard Specs
- a. Crackless bridge deck
 - i. Should be getting tracked by Craig Knapp – Jackie to check what data is available
 - b. Alternative method on what to do on a dispute
 - i. Dulce sent to Chu Wei with FHWA for review
 - ii. Will eventually be going into standard specs
 - c. Low flexural beam specification
 - i. Has not had an update in approximately 6 months
 - ii. Dulce to follow up and provide an update and share language
 - iii. Once buyoff is obtained by HQ construction and FHWA can be in specs
 - iv. Targeting December deadline for April 2020 posting
13. Research Update/DES committee updates
- a. Cracking of approach slabs - correlating shrinkage to performance
 - i. All brand new approach slabs, the shrinkage limits will match the bridge decks
 - ii. Mark – are they going to require the fiber
 - 1. Have not heard in requirements for fiber
 - b. New for next fiscal year, looking to revise corrosion standards
 - c. Chem adhesive AML will get updated and will potentially get posted in the fall
 - d. Type 1L – Oregon started doing screening testing for C441
 - i. Will be doing a quarterly update by end of June
14. Roundtable/Review Action Items/Next Meeting
- a. Dulce – Issue with section 40 with non-compliant work. Full depth vs partial depth crack
 - i. Only way to determine is if there is a full depth crack is by coring
 - ii. Can't core every crack to determine the depth; there will be too many
 - iii. Workmanship or specification issue?
 - 1. Specification issue/acceptance issue
 - 2. Deepak – did start with a workmanship issue but issue are coming up with the interpretation of the spec and what the RE's can accept

- iv. Fast tracked scoping document or move it up the chain through the pavement program
 - 1. Bruce - Industry would like to have input and suggests it be moved through the PMPC
- v. Blair – Industry will be a mandatory stakeholder regardless. Caltrans does not want to leave Industry out of any part of this process.

Action Items

Item	Task	Owner	Due Date
1	Develop status report (1-2 pages) of pavement smoothness work product	Dulce	6/30/19
2	Update database by tomorrow (if issues; provide update directly to Cortney)	STG Chairs	6/14/19
3	Provide short update on FHWA workshop (informational only)	Dulce	6/19/19
4	Crackless bridge deck – check on status and available data	Jackie	8/22/19
5	Share language and provide update on low flexural beam spec	Dulce	8/22/19
6	Fast track submittal process for full depth crack scoping document	Dulce	TBD

Action Items from 5/23/19

Item	Task	Owner	Due Date
1	STG chairs to evaluate current workload and upcoming bin list tasks to determine capacity	STG Chairs	6/13/19
2	Have conversation with Deborah and Dulce about concerns with smoothness schedule/discuss plan of action	TG Chair	6/7/19
3	Communicate through DME meetings, IA and QASI communications implementation of 4x8 cylinders	Keith	Ongoing
4	Confirm what is being collected for batch tickets (Mix ID's)	Keith	6/7/19

Action Items from 4/25/19

Item	Task	Owner	Due Date
1	Clarify which bin list is approved	Cortney	5/9/19
2	Touch base with M&QA RCA working group on industry side	Kirk	5/9/19

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	4/25/2019	5/23/2019	6/13/2019	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Keith Hoffman	CT Chair	✓	✓	✗	✓	✓	✗	✓																		
Kuo-Wei Lee	CT Member	✓	✓	✓	✓	✓	✓	✗																		
Blair Anderson	CT Member	✓	✓	✓	✓	✓	✓	✓																		
Kirk McDonald	Industry Lead	✓	✓	✓		✓	✓																			
Mark Hill	Industry Member	✓	✓	✓		✓	✓																			
Dulce Feldman	CIP CT Chair	✓	✓		✗	✓		✗																		
Bruce Carter	CIP Ind. Lead	✓	✓			✓																				
Divyesh Vora	Precast CT Chair	✓	✓		✗	✓		✓																		
Doug McLaughlin	Precast Ind. Lead	✓																								
Jacquelyn Wong	M&QA CT Chair	✓	✓		✗	✓		✗																		
Nathan Forrest	M&QA Ind. Lead	✓	✓			✓																				
Marcella Wiebke	PMPC Exec. Asst.	✓																								
Joe Holland	UCPRC	✓	✗			✓																				
Arshad Vali	Precast Ind. Lead		✓			✓																				
Charles Stuart	CIP Ind. Member		✓			✓																				
Deepak Maskey	EC Coordinator				✓	✓																				
Hector Romero	For Kuo-Wei Lee							✓																		
Samir Ead	For Jackie Wong							✓																		

Key	
✓	Present
✗	Absent
	Not Required