

RPC October 17, 2012 Meeting Minutes and Action Items

	<p>Rock Products Committee (RPC) Meeting AGENDA Date: October 17, 2012 Time: 1:00 PM to 4:00 PM Location: TransLab Auditorium 5900 Folsom Blvd., Sacramento, CA 95819</p>		
<p>Meeting called by: Facilitator: Attendees: Purpose:</p>	<p>RPC Co-Chairs: Tony Limas, Phil Stolarski, Scott Jarvis and Amarjeet Benipal Phil Stolarski RPC Members (Caltrans, Industry & FHWA) Share information related to the activities of the RPC</p>		
<p align="center">Time</p>	<p align="center">Topic</p>	<p align="center">Who</p>	<p align="center">Desired Outcome</p>
<p align="center">1:00 – 1:05</p>	<p>Welcome, Introductions and Review Agenda Action Items from July 18, 2012 Meeting</p>	<p align="center">Phil Stolarski</p>	<p>Member introductions, agreement on agenda, and status of action items</p>
<p align="center">1:10 – 1:30</p>	<p>RPC Co-Chairs Update</p> <ul style="list-style-type: none"> • Industry • Caltrans 	<p align="center">Tony Limas, Amarjeet Benipal, Phil Stolarski & Scott Jarvis</p>	<p>Caltrans management update, Industry update and any heads up notice</p>
<p align="center">1:30 – 2:50</p>	<p>RPC Task Group Work Plan Status Updates (20 minutes for each Task Group)</p> <ul style="list-style-type: none"> • Asphalt • Concrete • Pavement Foundations • Pavement Preservation 	<p align="center">Task Group Co-Chairs</p> <p align="center">Peter Vacura Joe Peterson Chuck Suszko Jack Van Kirk Jim St. Martin</p> <p align="center">Dan Speer Bill Farnbach Chuck Suszko Charley Rea Ron Stickel</p> <p align="center">Bill Farnbach Dan Speer Chuck Suszko Sara Alzate Don Vivant</p> <p align="center">Peter Vacura Chuck Suszko Bill Farnbach Jim Ryan Craig Hennings</p>	<ul style="list-style-type: none"> • Accomplishments in the last quarter • Planned outcomes for next quarter • Any major cross cutting issues as a heads up or lessons learned.

Rock Products Committee (RPC) Meeting
October 17, 2012
AGENDA

Time	Topic	Who	Desired Outcome
2:50 – 3:00	Break	All	Refreshment
3:00 – 3:30	New Business Items <ul style="list-style-type: none"> • Specification Development Journey 	Jill Sewell	Share strategic initiatives <ul style="list-style-type: none"> • Educational • Informational
3:30 – 3:50	Round Table	RPC Members	Interaction and discussion of appropriate, cross-cutting issues and reports
3:50 - 4:00	Capture Action Items and Dates Next Meeting on January 23, 2013 from 1 PM to 4 PM at TransLab, 5900 Folsom Blvd., Sacramento, CA 95819	Phil Stolarski	Capture action items Share information

Handouts:

1. July 18, 2012 RPC Meeting Action Items Status Summary
2. October 2012 RPC Management Status Report

Handouts Provided at Meeting:

3. Division of Construction Monthly Status Report October 10, 2012
4. Longitudinal Joint Workshop Flyer

Powerpoint Presentation:

5. Specification Development Journey



Rock Products Committee (RPC)

Meeting Minutes and Action Items

From Wednesday October 17, 2012

1:00 PM to 4:00 PM

TransLab Auditorium, 5900 Folsom Blvd., Sacramento, CA

Meeting Minutes Outline of Discussion

Meeting started at 1:05 PM:

Beniapal:

Self Introductions

Meeting Guests:

Jill Sewell, Division of Engineering Service, Office of Construction Contract Standards

Gary Hambly CALCIMA

Benipal: Covered the two action items from the last RPC meeting. (Handout #1)

- First Action Item was to get Jill to present the Specification Development Journey.
- Second Action Item was the involvement of Office Engineer with Sub Task Groups. Sub Task Group Co-Chairs should engage OE staff sooner than later so that changes in specifications are not occurring at the based on specification formatting and style requirements.

Caltrans/Industry Updates

Caltrans Update

Benipal

- District 12 has new District Director Ryan Chamberlain. Ryan has experience in Caltrans HQ, District 7 and District 12. Most recently Ryan was the Division Chief in HQ Planning and Deputy District Director of Planning and Local Assistance in District 12.
- Rick Land was appointed as Chief Deputy
- Chief engineer position is advertised and Bob Pieplow is the current acting Chief Engineer.
- Planning Deputy Martin Tuttle has left Caltrans and Kome Ajise is acting Deputy
- Karla Sutliff is the acting DES Chief backfilling for Bob Pieplow
- Karla position in project management is filled by Joe Caputo from the north region

Jarvis

Caltrans Construction Monthly Status Report for October provided as handout #3 at meeting.

- 722 on-going contracts
- 11.5 million value of going contracts
- All time high last month under contract
- More contracts are coming and we may go over 12 billion next spring
- Monthly payments 400 million in payments for September 2012.
- 1297 contracts are in the close out phase. The close-out category includes projects where the work is complete. Projects in this category include projects with claims, projects waiting for as-built plans or right-of-way survey monumentation and projects where the environmental mitigation is not complete.

RPC Meeting Minutes 10/17/12 Outline of Discussion Continued

Caltrans/Industry Updates Continued

Industry Update

Limas

- Industry held a meeting this morning
- The Industry group went through the work plans
- Jim will cover communication issues during roundtable discussion.

RPC Task Work Plan Status Updates

October 2012 RPC Management Status Report is available at:

http://www.dot.ca.gov/hq/maint/Pavement/_RPC/ RPC_Workplan.html

Asphalt Task Group —Comments to “Overall Progress”

Peter Vacura provided the following comments:

Currently there are nine items on Asphalt Task Group work plan.

- Project 3 California Test Methods
 - Major change to CT 304 is that OBC will be based on total weight of HMA mix versus dry weight of aggregates. Revised CT 304 will apply to projects with 2010 Standard Specifications CPD to be issued to allow specification changes necessary to implement the changes made by CT 304 to be used on projects under 2006 Standard Specifications
- Project 6 RHMA usage
 - This project is scheduled to complete by end of 2012. Industry has recently submitted a new scoping document on RHMA issues.
- Project 8 Smoothness
 - Draft specification sent out for review. Smoothness meeting postponed to October 29, 2012 because of an out dated email address.
- Project 9 Quieter Flexible Pavement
 - 5th year data collection on quieter pavement is completed and Caltrans is reviewing the data.
- Project 10 Longer Life Flexible Pavements
 - District 4 I-80 Long Life bid project bid opening was on September 26 and we are waiting for contract approval
- Project 12 Porous Asphalt Pavement
 - Trying to get a consistent NSSP specification for Class 5 material that used as a base and for stormwater storage
- Project 13 Superpave
 - Four projects are in construction with one project completed to date.
- Project 14 RAP/RAS
 - Draft 25% RAP specification circulation is scheduled for early November.
- Project 15 Notched Wedge Joint
 - No comments received from Industry on notched wedge specification but specification is delayed to January posting to address mandatory stakeholder comments.

RPC Meeting Minutes 10/17/12 Outline of Discussion Continued

Asphalt Task Group —Comments to “Overall Progress” Continued

Suszko: Handout #4 provided for a longitudinal joint workshops to be held the end of November 2012 provided by FHWA and asphalt Institute:

Vacura: Revised scoping documents received from Industry these will be discussed at next Task Group meeting.

Concrete Task Group —Comments to “Overall Progress”

Dan Speer provided the following comments:

New webpage has been established for concrete task group for the sharing of documents that are completed or are being worked on by Sub Task Groups. The webpage address is:

http://www.dot.ca.gov/hq/esc/Translab/OSM/rpc_concrete_task_group/index.htm

Add this website to your list of favorites and use it for sending notes to your favorite Task Group Co-Chair.

- Project 5: QC/QA Specification for Cast-in-Place Concrete
- Project 6 Precast Standard Specification Section
- Project 9 Aggregate Database
- Project 11 Precast Pavement
- Project 13 Coefficient of Thermal Expansion (CoTE)
- Draft pilot specification is complete. First pilot project will be in San Diego. Prebid meeting will be held. There are 7 more pilot projects in the wings that are ready to get going. ACI training is on-going in the Districts.
- Precast concrete Sub Task Group is consolidating precast specification requirements in each section of the Standard Specifications.
- Moving forward with DIME by working with District's on implementation.
- Standards plans are drafted and are being reviewed. Precast concrete on 710 in District 7 is on-going.
- Continuing collecting test results from projects.

Hennings: Craig are we getting all of the CoTE data?

Farnbach: We have been receiving most of the CoTE testing data.

- Project 16 Rapid Strength Concrete for JPCP (JPCPRSC)
- Project 18 Bond Breaker
- Project 19 Smoothness
- Draft specification is ready for review. Review will include all of the changes in Section 40
- Bond breaker specification gives contractors a choice of bond breakers to choose from.
- Smoothness specifications are moving forward and will be consistent for flexible and rigid pavements.

RPC Meeting Minutes 10/17/12 Outline of Discussion Continued

Concrete Task Group —Comments to “Overall Progress”

- Project 22 Recycled Concrete
- Preliminary investigation by Caltrans research which includes a literature search on the topic and survey is completed.

Rea: This is not moving forward as we thought. Everyone thought this was a research problem statement. Nothing is going to based on the study. Research was not funded. We never heard from Caltrans on what was going on.

Amarjeet: Is the completed research different than the scoping document that was agreed upon? Both Caltrans and Industry need to not shop research for answers and research needs. Need Industry Sub Task Group members identified for the recycled concrete project who will be the lead on moving issues forward.

- Project 23 CRCP Design Details -Phase 2
- This is a split from project 15. This phase will improve standard plans for pavement anchors and expansion joints.
- Project 25 Curing of PC PS Piles
- Revised specification will be posted this Friday.

Pavement Foundation Task Group — Additional Comments to “Overall Progress”

Bill Farnbach —

- Project 3 Foamed Asphalt
- Test method is being reviewed by METS.
- Project 4 Pulverization
- Sub Task Group is meeting today to finalize specification.
- Project 5 Concrete base
- Specification is completed and scheduled for posting in October 2012.
- Project 6 Rapid Setting Lean Concrete Base
- Specification is completed and scheduled for posting in October 2012.
- Project 7 Geogrid
- Specification is completed and scheduled for posting in October 2012. Guidance is on schedule to be completed.
- Project 8 Full Depth Reclamation -- Cement
- Full depth reclamation Sub Task Group meeting was held this morning. The Sub Task group when through comments and resolved them. Specification should be completed by end of November.

Additional Comments: None

Pavement Preservation Task Group — Comments to “Overall Progress”

Chuck Suszko —

Overall there has not been a lot of progress on the PPTG projects and the Task Group needs to evaluate whether all of the projects have a clear purpose and need to be completed.

- Project 3: Cold In-Place Recycling
 - Caltrans is working internally on formatting the specifications under the 2010 specifications format. Need to clearly define in the specification the requirements for quality control, quality assurance, materials and construction. Specification will need another round of Industry review and comments.
- Project 4: Fog Seal
 - Continuing evaluating and monitoring of some maintenance fog seal projects on existing open graded, chip seals and gap graded surfaces.
- Project 5: Rubberized Slurry Seal
 - No progress.
- Project 6 Modified Binder (PM/TR)
 - No Progress.
- Project 8 WMA Chip Seal
 - Meeting scheduled on October 19, 2012 to finalize asphalt rubber seal coat pilot NSSP. Rescope project to include field blend Type 1, field blend Type 2 and terminal blend.
- Project 12: Chip Seal (JITT) and
 - Revised specification to include prepaving meeting. The prepaving meeting will include training, MTAG checklist, and project specific construction issues.
- Project 13: Micro Surfacing (JITT)

Bill Farnbach —

- Project 9 Joint Sealing
 - Joint seal specification consolidation is moving forward.
- Project 10 Partial Depth Spall
 - Draft standard plan and updated standard specification ready for general circulation.
- Project 12 DBR Polyester Backfill
 - Evaluation report is being written on Highway 50 project. There is another pilot project with 1100 feet of DBR proposed in District 7.
- Project 14 Quieter Concrete Pavement
 - There have been several pilot projects placed with the next generation grind using an nSSP. We need to evaluate the performance before moving forward with an SSP.

Jim Ryan: Most of the PPTG projects are on hold because of ARSC

Craig Hennings: Waiting for quieter pavement data.

RPC Meeting Minutes 17/18/12 Outline of Discussion Continued

New Business Items

SPECIFICATION DEVELOPMENT JOURNEY

Jill Sewell, Chief Office of Construction Contract Standards (OCCS), provided a powerpoint presentation (Handout #5) that covered the following:

Standard Specifications, SSPs, and Standard Plans are the result of participation, extensive development, and concurrence from the Department's experts and applicable stakeholders. External stakeholders may include industry, FHWA, and other agencies. The 2010 specification include improved style and format by following the Style Guide for the 2010 based on national specification standards and that the specifications are written in plain language. Use of plain language is mandated by Presidential Executive Order and California Government Code. It is recommended by the American Bar Association.

Specification Owner - The term "owner" refers to the person responsible for the technical content of their portion of the Standard Specifications, SSPs, and Standard Plans. Owners ensure that quality specifications and standard plans are completed in a timely manner.

OWNER

- Provides resources and organizes staff for development and maintenance of their portion of the Standard Specifications, SSPs, and Standard Plans
- Ensures that the technical content of a standard reflects the consensus by applicable stakeholders and the general agreement by other knowledgeable individuals
- Circulates drafts, facilitates meetings, resolves comments from applicable experts and stakeholders
- Obtains concurrences from mandatory stakeholders
- For an SSP, signs and submits the SSP request with attachments to OCCS
- For a standard plan, generates draft new standard plan (NSP) and revised standard plan (RSP), submits the request and draft to OCCS, and signs the authorization for use of an electronically generated signature sheet
- Publishes guidelines for the use of their portion of the Standard Specifications, SSPs and Standard Plans
- Answers user's questions
- Performs the duties of a stakeholder for Standard Specifications, SSPs, and Standard Plans that are owned by others
- Approves NSSPs pertaining to expertise
- Participates in impasse resolution

STAKEHOLDER

- Participates in developing and reviewing portions of the Standard Specifications, SSPs, and Standard Plans that pertain to their area of responsibility
- If designated as a mandatory stakeholder, provides concurrence
- If not designated as a mandatory stakeholder, provides input but concurrence is not necessary
- If designated as a mandatory stakeholder, participates in impasse resolution

MANDATORY STAKEHOLDER

- Caltrans Legal
- Division of Construction
- Federal Highway Administration
- DES- Office of Construction Contract Standards

RPC Meeting Minutes 17/18/12 Outline of Discussion Continued

New Business Items

SPECIFICATION DEVELOPMENT JOURNEY CONTINUED

OCCS, SPECIFICATION ENGINEER

- Develops, reviews, and ensures that Standard Specifications, SSPs, and Standard Plans meet the Department's standards for language, style, and format
- Provides assistance with development and clarification on the Department's standards for language, style, and format

OCCS, OFFICE CHIEF

- Publishes Standard Specifications, SSPs, and Standard Plans
- Owns the bid book and portions of specifications including those for contract award and approval
- Acts as either owner or stakeholder for all Standard Specifications, SSPs, and Standard Plans
- Serves as primary contact for owners developing Standard Specifications, SSPs, and Standard Plans
- Owns policy on style, language, and format for Standard Specifications, SSPs, and Standard Plans

Suszko: Provided several examples of what a mandatory stakeholder looks at when reviewing a specification for concurrence.

Roundtable

Jim St. Martin: One of the common purposes of Rock Products is effective communication. Industry would like Caltrans to provide us information about changes in the Construction Manual. Test Methods, won't it be nice if Industry was informed of when the changes occurred. It should be common courtesy and practice of notifying us when things are changed. The specifications are not easy to understand and I may be the only one here that doesn't understand how the Standards and RSSs and special provisions now work. Why doesn't the RSSs show the specification with changes included?

Jill Sewell: About four or five years ago a lawyer and construction Industry representatives asked us to show only the changes. The contractors said that they were smart enough to know how the change affected the specification.

Jim St Martin: I have talked to Local agencies and they use Caltrans specifications because they are free.

Tony Limas: We need to collect information from Industry to see if they understand how the 2010 specifications work.

Jim St. Martin: What is going on in research? Nobody in Industry knows what is going on in Caltrans research. At the Industry meeting this morning we found out about different research on-going at Caltrans.

Amarjeet Beniapol: We all need to get a better understanding of what is going on under Caltrans Research. I will be meeting with research within the next week. and would suggest that we invite them to a RPC meeting to discuss ongoing research related to pavements.

Tony Limas: Section 39 changes how do we know what has been changed?

Jill Sewell: The Revised Standard Specifications are posted and have a posting date and also have a date on every added paragraph so you then know when it was added.

RPC Meeting Minutes 10/17/12 Outline of Discussion Continued

New Business Items Continued

Roundtable Continued

Amarjeet: How do we make best of the challenges and efforts we have under way?

Amarjeet: As an organization how can we improve the information sharing process? 3+1 meeting and 3+2 meetings? Are these meetings working for you? Is the Task Group structure working for you?

Jack Van Kirk: Changes have been made to Section 39 that Industry does not know about.

Russ Snyder: We can be an extension of communication for Caltrans.

Scott Jarvis: In Construction we have a single focal point for communication to AGC, UCON, and SCCA. RPC does not have a strong communication plan.

Jim Ryan: PPTG is not meeting.

Charley Rea: Concrete Task Group has been meeting and other than one issue it has been good.

Tom Tietz: Can we have a research presentation to let us know.

Scott Dmytrow: We heard about 4 research projects today.

Amarjeet Beniapol: I will invite Division of research and Innovation (DRI) to a future RPC meeting to discuss ongoing research related to pavements under the New Business item.

Amarjeet Beniapol: We are going to put 3+2 meetings on the calendar. Chuck and I will work on 2012 & 2013 calendar.

Amarjeet Beniapol: We need to start preparing for the 13/14 RPC Work Plan. The following are the requirements and the proposed timeline for submitting new scoping documents for 13/14:

- Task Group Co-chairs between now and December should review what is on the bin list
- This year task groups need to hone down on 3 items for the next work plan.
- Telephone conference between RPC Co-Chairs 3+1 and Task Group 3+2 meeting will be held in December to go over potential projects
- Face to face meetings to be held in January
- Scoping documents will need to be submitted in March and plan on approval in June based on the May revised State budget
- Be aware that DRI starts collecting research items in January. Research will show entire research process as part of their presentation.
- Any proposed projects beyond three should be placed on the bin list

Action Items

See attached list of action items.

Meeting adjourned at 3:45 PM.

Next meetings January 23, 2010



Rock Products Committee (RPC)

Action Items

From Wednesday, October 17, 2012

1:00 PM to 4:00 PM

TransLab Auditorium, 5900 Folsom Blvd., Sacramento, CA

Action Items Summary

#	MEETING	ITEM	ACTION REQUIRED	WHO	DUE	STATUS
1	10/17/12	Longitudinal Joints Workshops	➤ Send out longitudinal joints workshops flyer to RPC members and Associations	Chuck Suszko	10/18/19	Completed 10/19/20
2	10/17/12	Construction Manual Link	➤ Send out Construction Manual list serve link	Chuck Suszko	10/18/19	Completed 10/19/20
3	10/17/12	E-Notification of Specification Changes	➤ Send out E-Notification list serve link	Chuck Suszko	10/18/19	Completed 10/19/20
4	10/17/12	Cold-in-place Specification update	➤ Send out cold-in-place specification for review and comment after reformatting for 2010 Specifications.	Peter Vacura	11/17/12	
5	10/17/12	Recycled Concrete	➤ Concrete Task Group to close out research issues with Sub Task Group	Dan Speer	11/17/12	

RPC
Attendance Roster

Name	Organization	2011				2012							
		1/25	4/20	7/20	10/26	1/18	4/18	7/18	10/17				
Philip J. Stolarski	Caltrans State Materials Engineer (Co-Chair)	X	X	X	X	X	X	X	■				
Amarjeet S. Benipal	Caltrans State Pavement Engineer (Co-Chair)	X	X	X	X	X	X	X	X				
Scott Jarvis	Caltrans Asst. Chief of Construction (Co-Chair)	X	X	X	■	X	X	■	X				
Anthony Limas	Industry-Granite Construction Company, Inc. (Co-Chair)	X	X	X	X	X	■	X	X				
Bill Farnbach	Caltrans Pavement Program (Caltrans Member)	X	X	■	X	X	X	■	X				
Chuck Suszko	Caltrans Construction (Caltrans Member)	X	X	X	■	X	X	■	X				
Dan Speer	Caltrans Materials Engineering & Testing Services (Caltrans Member)	X	X	X	X	X	■	X	X				
Joe Peterson	Caltrans Materials Engineering & Testing Services (Caltrans Member)	X	X	■	X	X	X	X	X				
Roberto Lacalle	Caltrans Structures Specifications and Estimating (Caltrans Member)	X	■	■	X	X	X	X	X				
Peter Vacura	Caltrans Pavement Program (Caltrans Member)	X	X	X	X	X	X	X	X				
Steve Healow	FHWA Pavement Engineer (FHWA)	■	X	■	X	X	■	X	X				
Ron Stickel	Teichert Materials (Industry Member)						X	X	X				
Charley Rea	CALCIMA (Industry Member)	X	X	X	X	X	X	X	X				
Cliff Ohlwiler	Oldcastle Precast, Inc. (Industry Member)	X	■	X	X	X	X	X	X				
Craig Hennings	Southwest Concrete Pavement Association (Industry Member)	X	X	X	X	X	X	■	X				
Sara Alzate	Road Science Division of AM-CC (Industry Member)				X	X	■	X	X				
Don Vivant	Sully-Miller Contracting Company (Industry Member)	■	X	X	X	X	X	X	■				
Jim Ryan	Paramount Petroleum (Industry Member)					X	X	X	X				
Jack Van Kirk	Basics Resources, Inc. (Industry Member)	X	X	X	X	X	X	X	X				
Jim St. Martin	California Asphalt Pavement Association (Industry Member)	X	X	X	X	X	X	X	X				
Robert P. Humer	Asphalt Institute (Industry Member)	■	■	■	X	X	X	X	■				
Russell Snyder	California Asphalt Pavement Assoc (Industry Member)	X	X	X	X	X	X	■	X				
Tom Tietz	California & Nevada Cement Assoc (Industry Member)	X	X	X	X	X	■	X	X				
Scott Dmytrow	Telfer Oil (Industry Member)					X	X	X	X				



Rock Products Committee (RPC)

Action Items

From Wednesday, July 18, 2012

1:00 PM to 4:00 PM

TransLab Auditorium, 5900 Folsom Blvd., Sacramento, CA

Action Items Summary

#	MEETING	ITEM	ACTION REQUIRED	WHO	DUE	STATUS
1	7/18/12	Set up OE presentation for October meeting	➤ Chuck/Jill Sewell prepare presentation	Amarjeet	October meeting	Done
2	7/18/12	Office Engineer involvement in Sub Task Groups.	➤ Talk with Jill Sewell	Phil/ Amarjeet	October meeting	Completed

Handout #2

July 18, 2012 RPC Meeting Action Items Status Summary

October 2012 RPC Management Status Report is available at:

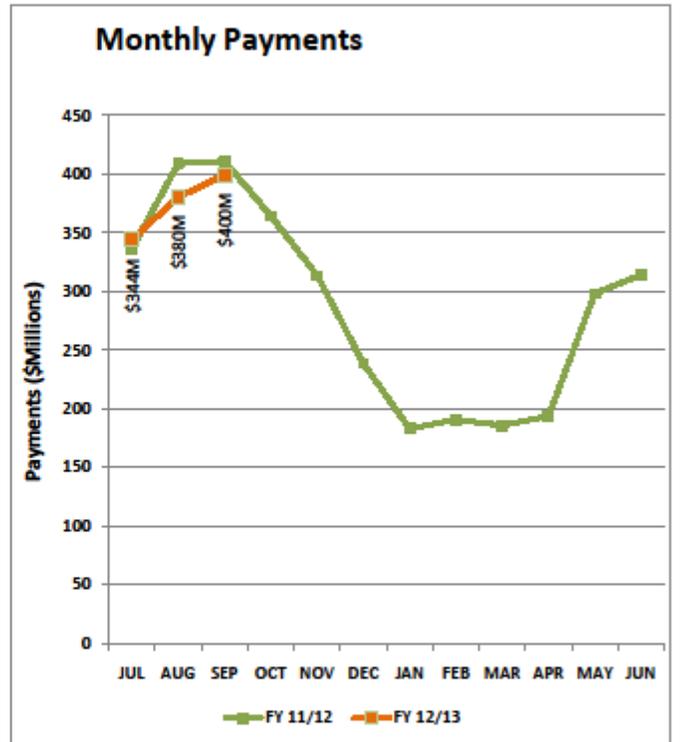
http://www.dot.ca.gov/hq/maint/Pavement/RPC/RPC_Workplan.html

CALTRANS CONSTRUCTION

Monthly Status Report

October 10, 2012

Contracts in Construction	
No. of Contracts:	722
Value of Contracts:	\$11.528B
Total Monthly Payments:	\$1.124B
Contracts Accepted To Date (FY 12/13)	
No. of Contracts:	133
Value of Contracts:	\$401M
Contracts in Close-Out (CCA to FE)	
No. of Contracts:	1297
Value of Contracts:	\$6.720B
No. of Contracts with Claims:	60
Value of Claims:	\$54.9M
Contracts in Arbitration	
No. of Contracts:	25
Value of Contracts:	\$443.1M
Value of Claims:	\$63.0M
Construction Personnel Summary	
District	2150
Structures	524
Total:	2674



Building a More Durable Asphalt Pavement: Workshop Presents *Best Practices for Longitudinal Joints (LJs)* *

Learn how to improve the performance of longitudinal asphalt pavement joints by attending a new workshop available from the Federal Highway Administration (FHWA).

Northern California

Wednesday, Nov. 28, 2012
8:00 AM – Noon
Caltrans TransLab Auditorium
5900 Folsom Blvd.
Sacramento, CA

Southern California

Thursday, Nov. 29, 2012
8:00 AM – Noon
Caltrans Southern Regional Lab
13970 Victoria Street
Fontana, CA

Seating is limited.
To reserve your seat, contact:
Teresa Olenzlager
Phone: (916) 354-5338
teresa.olenzlager@dot.ca.gov



This free 4-hour workshop is designed to provide state transportation agencies and industry representatives with the latest information on specifying and constructing more durable longitudinal joints (LJs) and preventing premature cracking.

The workshop is the result of an FHWA and Asphalt Institute project that examined how LJs are specified and constructed across the United States. This project included a review of available literature and specifications, in depth interviews with expert paving consultants and contractors, and site visits to states of interest.

The workshop highlights recommendations for improving LJ performance, including:

- Mix selection.
- Design and planning considerations.
- Alternative techniques and materials.
- Best practices for specifying and constructing LJs, including using a string-line guide to ensure that the paver operator makes a straight first pass, and ensuring that the vibratory screed on the paver is turned on at all times during construction and applying a tack coat uniformly to the full width of the lane.

Also covered: strategies to increase pavement density and improve performance of the joint, and resources to assist agencies in turning best practices into standard practice. The workshop is intended for federal, state, and local government personnel responsible for pavement specifications and the overall acceptance of roadway projects. It is also designed for paving contractors who are responsible for adopting construction best practices. "The ultimate successful adoption of these improvements will need to be a team effort," said Cooper.

"A goal of this project was to search for consensus on how best to specify and construct LJs," said Steve Cooper of the FHWA Resource Center. "The project is intended to provide the best practices possible for achieving overall LJ performance equal to that of the mat."

LJs are produced when fresh hot-mix asphalt is placed adjacent and parallel to an existing lane on a roadway. The joint is the interface between the two asphalt mats. Low density, permeability, and lack of adhesion can cause premature cracking and joint failure.

Mandatory Stakeholders

OCCS

Owners

Legal



FHWA

SSP Process

OWNER



- Also known as the Department's technical expert, subject matter expert.
- Ensures that the technical content of a standard reflects the consensus by applicable stakeholders and the general agreement by other knowledgeable individuals
- Circulates drafts, facilitates meetings, resolves comments from applicable experts and stakeholders
- Obtains concurrences from mandatory stakeholders

STAKEHOLDER

- Participates in developing and reviewing portions of the Standard Specifications, SSPs, and Standard Plans that pertain to their area of responsibility
- If designated as a mandatory stakeholder, provides concurrence
- If not designated as a mandatory stakeholder, provides input but concurrence is not necessary



OCCS

SPECIFICATION ENGINEER



- Develops, reviews, and ensures that Standard Specifications, SSPs, and Standard Plans meet the Department's standards for language, style, and format
- Provides assistance with development and clarification on the Department's standards for language, style, and format
- Uses archival system and version control for Standard Specifications, SSPs, and Standard Plans

OCCS, OFFICE CHIEF

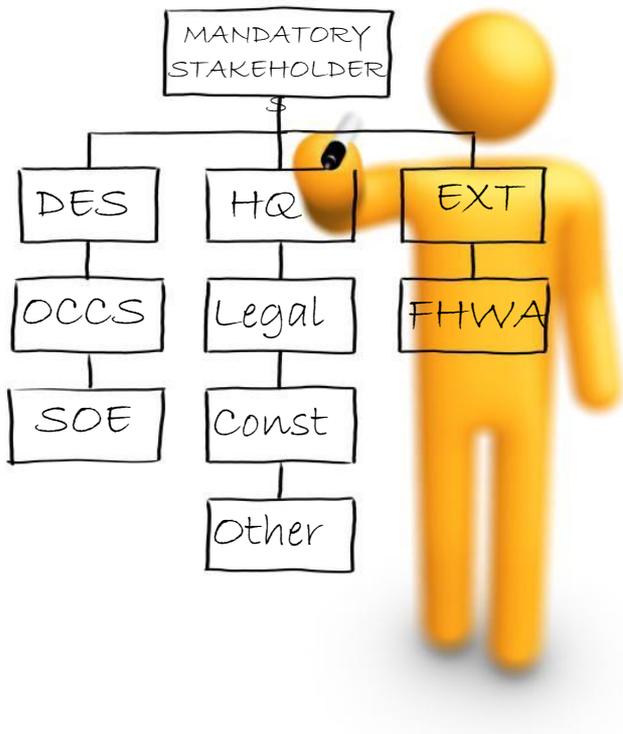


- Publishes Standard Specifications, SSPs, and Standard Plans
- Owns the bid book and portions of specifications including those for contract award and approval
- Acts as either owner or stakeholder for all Standard Specifications, SSPs, and Standard Plans
- Serves as primary contact for owners developing Standard Specifications, SSPs, and Standard Plans
- Owns policy on style, language, and format for Standard Specifications, SSPs, and Standard Plans
- Provides review and policy recommendations on standards issues to the DES-OE Deputy Division Chief

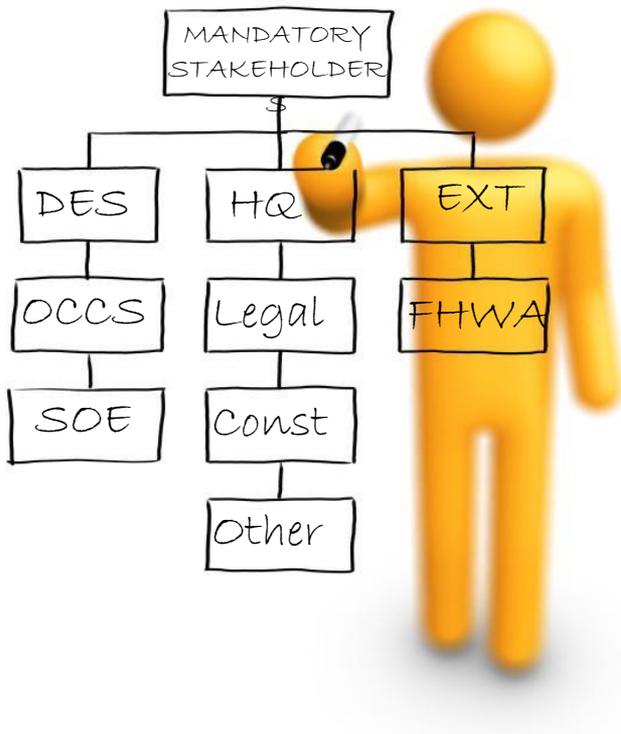
SSP PROCESS

1. Initiate Development

- For complex issues, the owner (subject matter expert, Department's technical expert) may need to organize a committee of affected stakeholders and experts for discussion.
- For new SSPs and major revisions to SSPs, Legal, HQ Construction, and OCCS are mandatory internal stakeholders. Other mandatory stakeholders may include METS, HQ Design, Structures, and HQ Safety. For new SSPs and major revisions to SSPs, FHWA is a mandatory external stakeholder. Other appropriate external stakeholders may include industry and other agencies.



SSP PROCESS



- Timely work by the owner and mandatory stakeholders is vital to timely SSP completion.
- Advisory stakeholders may participate in the development and review of an SSP within set timeframes, however their approval is not required.

SSP PROCESS

2. Draft SSP

The owner develops a draft SSP after consulting stakeholders and affected groups (may include contacts outside the Department). The owner may request development assistance from OCCS.



SSP PROCESS

3. Circulate for Review and Comment

- The owner has developed a draft SSP. He sends copies to stakeholders and affected groups for review and comment.
- He addresses the comments and revises the draft. Multiple cycles of drafts, review, comments, and new drafts may be necessary.



SSP PROCESS



4. Obtain Concurrence

After all comments have been addressed, the owner sends the final revised draft to stakeholders to obtain written concurrence from mandatory stakeholders.

SSP PROCESS



5. Submit SSP Request Package

The owner submits the SSP request to OCCS.

SSP PROCESS



6. OCCS Concurrence and Publication

- OCCS begins the process of publishing the SSP after receiving the owner's complete SSP request.
- After DES-OE concurs, the SSP is published on the DES-OE Web site. A description of SSP updates is posted on the Web site.

Handout #5
Specification Development Journey Powerpoint

