

# ROCK PRODUCTS COMMITTEE

## WORK PLAN STATUS

October 5, 2011

**"Plan the Work**

**Work the Plan"**

### Contents

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**"Caltrans, Industry and FHWA Working Together"**

# DEPARTMENT OF TRANSPORTATION

# 2011

## JAN

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

## FEB

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27	28					

## MAR

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## APR

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## MAY

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29	30	31				

## JUN

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26	27	28	29	30		

## JUL

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24	25	26	27	28	29	30
31						

## AUG

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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

## SEPT

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18	19	20	21	22	23	24
25	26	27	28	29	30	

## OCT

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23	24	25	26	27	28	29
30	31					

## NOV

S	M	T	W	T	F	S
		1	2	3	4	5
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

## DEC

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

## JAN 2012

S	M	T	W	T	F	S
1	2	3	4	5	6	7
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

## ROCK PRODUCTS COMMITTEE / PAVEMENT PROGRAM STATUS CALENDAR

### Status Calendar Legend

Monthly Pavement Management Council (PMC) Status Meeting

Quarterly PMC Status Meeting with Asst. Division Chiefs

Last Day for Monthly Status Document Update

Status Document Prep, Repro and Distribution

State Holidays

Quarterly Rock Products Committee (RPC) Meeting

Pavement Program Steering Committee (PPSC) Meeting

\*All status meetings will be held from 9:00 to 11:00 AM.

## Pavement Program Project Management Monthly Report

**Project Warm Mix Asphalt**

<b>Task</b>	Asphalt	<b>Subtask</b>	Warm Mix Asphalt
<b>Target Completion Date</b>	1/1/2012	<b>Number</b>	2
<b>Status</b>	Active	<b>Progress</b>	90 %
<b>Rock Products Committee</b>		<b>YES</b>	

**Purpose** Develop a specification and testing protocol to correctly implement the use of WMA technology in California.

**Overall** Completed WMA Approval Process. Developing Contractor Option Specifications and identifying projects for monitoring and evaluating.

Project Lead	Cathrina Barros	Office	Roadway Materials	Phone	227-7162	E-FIS Project Number	E-FIS Subtask Number
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status	
# 1 Approval Process	Asphalt	6/30/2009	3/18/2011	100	100	Approved 3/18/11	
# 2 Contruction Policy Directive, Contractor Option WMA nSSP for On-going projects	Asphalt	9/1/2010	1/1/2012	85	80	Under development will include testing requirements for WMA. Curently being reviewed by Industry.	
# 3 Caltrans nSSP for CT projects	Asphalt	9/1/2010	1/1/2012	75	80	Under development will include WMA usage guidance for districts	
# 4 Training	Asphalt	4/1/2011	7/13/2011	100	100	Completed 7/13/11	
# 5				0	0		
# 6				0	0		
# 7				0	0		
# 8				0	0		

**Log** 12/3/2010 - draft dispute resolution document developed (WMA in mix design)  
 10/31/2010 - Developed draft approval process.  
 1/19/11 - Update status, PJV  
 4/25/11-Update status, SR  
 7/11/11 - Status Update, Monitoring Sac -5 project. PJV  
 8/22/11 = Status Update

**Project HMA Materials Test Methods**

**Target Completion Date** 1/2/2012      **Number** 3      **Status** Active      **Task** Asphalt      **Subtask**      **Specifications** Rock Products Committee      **Progress** 97 %      YES

**Purpose** Revise test methods for HMA as specifications have been revised.

**Overall** Of 31 CTMs reviewed, 21 posted to CT web; 8 tech work completed, formatted and to be posted 9/30/11, 4 (2 original and 2 supplemental) modified to match up with new CTM 304.

<b>Project Lead</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>
Nahid Hosseinzadeh	Roadway Materials					227-7322	
<b>Deliverable or Task</b>							<b>Status</b>
<b># 1</b> CT 103, 104, 105, 125, 201, 202, 204, 211, 212, 214, 216, 217, 226, 234, 235, 304, 308, 309, 367, 368	Mets	5/8/2008	12/1/2010	100	100	Posted to CT web	
<b># 2</b> 206, 207, 208, 209, 227	Mets	5/8/2008	9/30/2011	99	100	To be posted by 9/30/11	
<b># 3</b> CTM 366, 367, 379, 382 changes to cover CTM 304 change to "Total wt. of mix."	Mets	7/1/2011	1/2/2012	90	50	To be formatted and posted to CT web. Need CPD and associated forms and specs	
<b># 4</b> CT 371	Mets	5/8/2008	8/31/2011	100	100	No further changes (Hamburg) will be replacing it and will not be ready for implementation until next year.	
<b># 5</b> CT 205	Mets	5/8/2008	9/1/2011	100	100	RPC Co-chairs heard dispute, ruled in Dept. favor.	
<b># 6</b> CT 202	Materials	5/8/2008	7/30/2010	100	100	Posted July 2010	
<b># 7</b>				0	0		
<b># 8</b>				0	0		

**Log** Three ETGs have been working on revising HMA and aggregate materials related test methods since May 8, 2008. Many meetings were held jointly with industry and CT representatives.

A work plan was developed for revising CT 368. The lab work is expected to be conducted by UCPRC.

Tech work on Test Methods nearly completed as of 12/2010

5/13/11 - Status Update, PV

6-27-11 - Status Update, NH

8-31-11 - Status Update, NH

9-21-11 - Status update, NH/PV modified tasks 1, 2, and 3 to reflect CTMs posted, formatted, and those connected to CTM 304, respectively.

**Project Section 39**

**Target Completion Date** 10/31/2012      **Number** 4      **Status** Active      **Task** Asphalt      **Progress** 25 %      **Subtask** Section 39      **Rock Products Committee** YES

**Purpose** The purpose of the standing committee on Section 39 subtask group is to identify, prioritize, address deficiencies, and improve Section 39 specification on an ongoing basis.

**Overall** Resolved 18 of 20 1st priority issues.  
Resolved 1 of 9 2nd priority issues.  
Resolved 3 of 4 3rd priority issues.  
Add FAQ

<b>Project Lead</b>	<b>Office</b>	<b>Asphalt</b>	<b>Phone</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>	
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
<b># 1</b> Gather Industry/Caltrans Commets on specifications	Asphalt	3/1/2010	8/31/2010	100	100	Collected and organized
<b># 2</b> Resolve 1st Priority Issues (14 + 5 issues) + Type C (Per 8/17/11 meeting)	Asphalt	3/21/2011	9/30/2011	90	100	Resolved 18/20 issues; 1 issue sent to Dispute Resolution; 1 issue reclassified as Priority 2 for further discussion.
<b># 3</b> Revise Specs on 1st Priority Issues	Asphalt	10/1/2011	10/31/2011	0	0	Will be addressed at next meeting 9/29/11; Resolved issues to be posted 10/21/11
<b># 4</b> Resolve 2nd priority issues (8 Issues) + 1 issues (reclassified from Priority 1)	Asphalt	11/1/2011	3/31/2012	0	0	1 issues addressed; Next meeting 9/29/11
<b># 5</b> Revise Specs on 2nd Priority Issues	Asphalt	4/1/2012	4/30/2012	0	0	Resolved issues to be posted on 4/20/12
<b># 6</b> Resolve 3rd Priority Issues (4 Issues)	Asphalt	5/1/2011	9/30/2012	0	30	3 issues addressed; Next meeting 9/29/11
<b># 7</b> Revise Specs on 3rd Priority Issues	Asphalt	10/1/2012	10/31/2012	0	0	Resolved issues to be posted on 10/19/12; Remaining issues to be prioritized for next FY workplan or dropped
<b># 8</b> FAQ (Per 8/17/11 meeting)	Asphalt	8/17/2011	12/1/2011	0	40	Co-chairs request input from members

**Log** 2/14/11 - Revised purpose and need and task definitions, PJV  
 4/11/11 - A total of 27 Section 39 issues were brought to committee attention. 25 issues were prioritized and 2 were dropped.  
 4/11/11 - Issues were prioritized (1st - Immediate attention; 2 nd - Important issues; 3rd - Addressed eventually; Not addressed here)  
 4/11/11 - 1st priority has 14 issues (estimated 2 issues are resolved)  
 4/11/11 - 2nd priority has 6 issues  
 4/11/11 - 3rd priority has 5 issues  
 5/13/11 - Status Update, PJV  
 5/16/11 - 5 new issues added making a total of 19 1st priority issues  
 5/16/11 - Esitmated 11 issuses are resolved  
 5/16/11 - No comments received on Deliverable #8. Set dateline for comment for 5/20/11  
 8/17/11 - Evaluation of available HMA-Pay test data (Original item 8) completed and removed from the record. Two items (Type C and FAQ) added. HZ  
 9/1/11 - Deliverable Update: 20 Priority 1 Issues; 8 Priority 2 Issues; 4 Priority 3 Issues; and FAQ. KF  
 9/21/11 - 2 Priority 1 issues remained unresolved; 1 issue (QA turnaround time) is elevated to Dispute Resolution; 1 issue (VMA) is reclassified as Priority 2 for further discussion. KF

**Project Moisture Sensitivity of HMA**

**Target Completion Date** 6/30/2012      **Number** 5      **Status** Active      **Task** Asphalt      **Subtask** Moisture Sensitivity  
**Progress** 80 %      **Rock Products Committee** YES

**Purpose** Identify an effective test to evaluate moisture sensitivity of HMA and the treatment alternatives for moisture sensitive HMA

**Overall** MSHMATG approved the work plan, CT 371 evaluation report, and tech memo recommending Hamburg Wheel Tracking Device and discussed draft implementation plan. Recommended details be developed in concert with other subtask groups.

Project Lead	Office	Asphalt Pavement	Phone	E-FIS Project Number	E-FIS Subtask Number	
Haiping Zhou	Asphalt	274-6022				
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1 Evaluate CT 371 & Alternate Test Methods	Asphalt	9/1/2007	9/2/2011	100	100	Finali 371 data report approved. Alternate tests found Hamburg results most consistent.
# 2 Recommend a test for determining MS mixes	Asphalt	10/1/2010	9/30/2011	100	100	Recommend using Hamburg Wheel Tracking Device. Tech memo finalized and approved.
# 3 Develop an Implementation Plan	Asphalt	7/1/2011	6/30/2012	35	25	Draft developed and discussed. Need to coordinate with other groups on details.
# 4				0	0	
# 5				0	0	
# 6				0	0	
# 7				0	0	
# 8				0	0	

**Log** Numerous meetings were held on this topic. Recent activities are focused on evaluating alternative tests to examine HMA's resistance to moisture damage.

On hold till Management decide what to do?

7/2/2010 - work plan developed to evaluate CT 371 & alternative tests.

12/2010 - work plan (based on the existing scoping document) was developed. It needs CT/Industry review.

12/2010 - alternative tests are near completion. Next step is to review the test results and develop report.

1/13/2011 - received partial CT 371 data from UCPRC on QC/QA projects

2/17/2011 - Small Group met to discuss test results from the alternative tests effort.

2/28/2011 - MSHMATG meeting reviewed work done so far and suggested worplan be updated to reflect future work.

4/1/2011 - Updated work plan is being reviewed internally. Small group industry co-chair reviewed initial draft work plan and provided comments.

4/11/2011 - Updated work plan sent to "small group" for review. Updated database to reflect work plan items.

5/12/11 - Small group reviewed work plan, CT 371 data, and tech memo outline.

5/13/11 - Status Update, PJV

6/8/11 - MSHMATG discussed revised work plan, CT371 data, tech memo that recommends Hamburg for moisture sensitivity, HZ.

8/24/11 - MSHMATG Small Group finalized the work plan, the CT 371 Data Review Report, and the Tech Memo. Reviewed draft implementation plan. HZ

9/22/11 - MSHMATG approved final work plan, report of CT 371 test data from the 2007 pilot study, and the tech memo on recommending hamburg Wheel tracking device for evaluation of moisture sensitivity of HMA. Dissuccsed the draft implementation plan. Recommended details to be developed in concert with other subtask groups, i.e., gyratory, Superpave, WMA. HZ

**Project RHMA Usage**

**Target Completion Date** 6/30/2012      **Number** 6      **Status** Active      **Task** Asphalt      **Progress** 40 %      **Subtask** Rock Products Committee      **Specifications** YES

**Purpose** Evaluate Rubberized HMA (RHMA) performance and improve specifications, mix design requirements, and construction as appropriate.

**Overall** Work plan updated. CT 368 Part 1 completed. Draft work plan on using Type I with specs developed. Continued work on MPQP for ARB. Received some district RHMA survey and results are being summarized.

<b>Project Lead</b>	Haiping Zhou	<b>Office</b>	Asphalt Pavement	<b>Phone</b>	274-6022	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>	
<b>Deliverable or Task</b>	Office	Start Date	End Date	Complete %	Elapsed %	Status			
<b># 1</b> CT 368 revision (part 1) - address AR4000 to PG and low multipliers	Asphalt	6/30/2009	6/30/2011	100	100	Completed. CTM posted			
<b># 2</b> CT 368 revision (part 2) - overhaul test method	UCPRC	6/30/2010	6/30/2012	25	60	UCPRC completed phase 1 - selection of gradation			
<b># 3</b> RHMA mix design & performance evaluation	Asphalt	6/30/2010	6/30/2012	25	60	Received survey results from 7 districts.			
<b># 4</b> Use/Evaluation of Type I vs.Type II	Asphalt	7/1/2011	6/30/2012	20	25	Work plan developed with draft Type I specs. On hold to evaluate performance data from district survey			
<b># 5</b> MPQP	HQ Constr	6/30/2010	9/30/2011	95	100	See MPQP for RHMA			
<b># 6</b>				0	0				
<b># 7</b>				0	0				
<b># 8</b>				0	0				

**Log** 2/9/2010 - RHMATG meeting resolved 3-day turnaround mix design issue and design profile issue. RHMATG agreed to change 3-day to 5 work days and to keep the design profile in Section 39.  
 7/9/2010 - A new scoping document was developed.  
 10/27/2010 - RHMATG meeting. The revised scoping document was reviewed and asked for comments. Discussed RHMA performance issues. Industry voiced its disagreement on the 5-day mix design verification and on keeping the design profile in Section 39. Discussed VMA requirements, CRM gradation, conversion of LP-10, -11 to possible CTMs.  
 12/16/2010 - RHMATG meeting. Revised CT 368 with new multipliers published on CT website. Continued discussion on the 5-day mix verification and design profile. No solution reached. New CT 368 will likely be revised by UCPRC.  
 12/2010 - Draft work plan (based on the existing scoping document) was developed and it needs CT/Industry review.  
 2/9/2011 - Draft work plan sent to industry co-chair for review.  
 3/29/2011 - RHMATG reviewed MPQP related to RHMA. CT to revise MPQP. Industry to complete notes/resolution table.  
 4/12/2011 - Solicit feedback within Caltrans (DMEs and DMEs).  
 4/14/2011 - Co-chairs met to update scope and develop revised work plan.  
 4/27/2011 - Revised work plan developed and being reviewed.  
 5/13/11 - Status Update, PJV.  
 6/7/11 - RHMATG discussed updated work plan, MPQP issues, CT368 work, district survey questions, and AR Type I spec. HZ.  
 7/26/11 - Caltrans/industry met to continue work on MPQP ARB. HZ  
 8/22/11 - Met with industry co-chairs to review the MPQP 8/2 revision. industry agreed CT's plan to post the doc on 9/30/11. HZ  
 9/15/11 - Met with industry to review the MPQP 8/22 revision. Final doc is expected by 9/29 in time for the 9/30 posting. HZ

**Project Section 39 Smoothness (Short Term)**

<b>Task</b>	Asphalt	<b>Subtask</b>	Smoothness
<b>Target Completion Date</b>	10/21/2011	<b>Number</b>	7
<b>Status</b>	Active	<b>Progress</b>	98 %
		<b>Rock Products Committee</b>	YES

**Purpose** Revise Smoothness specifications in Section 39 since the current version does not consider existing pavement conditions for thin lift paving.

**Overall** Industry/Department reviewed CPD. Comments being addressed. Specification completed and submitted to HQ Office Engineer.

<b>Project Lead</b>	Peter Vacura	<b>Office</b>	Asphalt Pavement	<b>Phone</b>	274-6194	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>	
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<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
<b># 1</b> Revised smmoothness specifications in Section 39	Asphalt	7/1/2010	10/21/2011	99	95	Being reviewed by mandatory stakeholders. To be posted on HQOE server 10/21/11
<b># 2</b> Construction Policy Directive	HQ Constr	11/1/2010	10/21/2011	95	95	Addressing Department and Industry comments
<b># 3</b>				0	0	
<b># 4</b>				0	0	
<b># 5</b>				0	0	
<b># 6</b>				0	0	
<b># 7</b>				0	0	
<b># 8</b>				0	0	

**Log** 5-12-11, Update Status PJV  
 6-9-11, Talked with C. Suszko, updated Overall Progress.-pdb  
 9-21-11 , Update - PV -

**Project Section 39 Smoothness (Long Term)**

**Target Completion Date** 3/1/2013      **Number** 8      **Status** Active      **Task** Asphalt      **Subtask** Smoothness  
**Progress** 35 %      **Rock Products Committee** YES

**Purpose** Develop revised specs for pavement smoothness using the inertial profiler.

**Overall** Gathering certification and calibration procedures from other States. Incorporated NSSP for evaluation on five projects scheduled for 2012 construction season.

<b>Project Lead</b>	<b>Office</b>	<b>Asphalt Pavement</b>	<b>Phone</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>	
Peter Vacura			274-6194			
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
# 1 Develop Inertial Profiler NSSP	Asphalt	7/1/2010	9/9/2011	95	105	NSSP developed and proposed on 5 projects. NSSP currently being reviewed by Industry.
# 2 Test Method, Equipment, & Calibration	Mets	1/31/2011	12/31/2011	30	70	Reviewing other state agency programs and identifying possible testing location
# 3 Evaluate NSSP & Acceptance Criteria	Asphalt	7/5/2011	10/1/2012	10	20	
# 4 Develop SSP & Acceptance Criteria	Asphalt	7/2/2012	12/3/2012	0	0	
# 5 Construction Policy Bulletin	Constr	10/1/2012	12/30/2012	0	0	
# 6 Roll-out Spec. & Software Training	Asphalt	11/1/2012	3/1/2013	0	0	
# 7 Select Projects to Pilot NSSP	Asphalt	2/15/2011	10/1/2012	0	40	Long life projects (02-3E7504, 02-3E8104), 04-1A6824 and 04-4A07U4 have the inertial profiler nSSP incorporated. 04-0C7404 & 10-0M8004 are in the process of using nSSP.
# 8				0	0	

**Log** 5/13/11, Updated Status, PJV  
 Projects in D8, Rte 10, D3, Rte 5, District 4, Rte 680.

**Project Quieter Flexible Pavement**

**Target Completion Date** 6/30/2013      **Number** 9      **Status** Active

**Task** Asphalt

**Subtask** Quieter Pavement

**Progress** 20 %

**Rock Products Committee** YES

**Purpose** To reduce tire noise and improve permeability and durability of OGFC mix designs.

**Overall** Laboratory evaluation was performed on 3 OGFC mixes. HVS testing and evaluating is underway at UC Davis.

<b>Project Lead</b>	<b>Office</b>	<b>Asphalt Pavement</b>		<b>Phone</b>	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>	
<b># 1</b> Conduct and report laboratory evaluation of OGFC mixes	UCPRC	7/1/2009	7/29/2011	100	100	UCPRC report approved by Caltrans	
<b># 2</b> Lab HVS evaluation on quieter OGFC mixes	UCPRC	7/1/2011	6/30/2012	20	25	HVS only at this time. First OGFC test sections were constructed on 8/1. The second set will be constructed in October 2011	
<b># 3</b> Develop NSSP for quieter OGFC mixes	Asphalt	10/10/2011	12/31/2011	0	0		
<b># 4</b> Update & adopt specification for OGFC mixes	Asphalt	1/1/2012	6/30/2013	0	0		
<b># 5</b> Complete 5th yr flexible QP research & report	UCPRC	7/1/2011	9/30/2011	70	95	Analyzing Data	
<b># 6</b> Review 4th yr flexible pavement evaluation & report	Asphalt	10/10/2010	12/31/2011	5	80		
<b># 7</b> Field evaluation on quieter OGFC mixes	Asphalt	10/10/2011	12/31/2011	0	0		
<b># 8</b>				0	0		
<b>Log</b>	7/11/11 - Status Update, PJV 9/6/11 - Status Update, RSD						



03-BUT-99, PM8.6/13.1	03-366904	CCO	Const.
02 Teh 99, PM 12.5 to 24.0	02-0E530	CCO	Built (23 lane-mile)
06-Ker-43, PM 16.1/25.1	06-460001	yes	Built (24 lane-mile)
11-sd-79, NB 46.13/46.17, SB 46.17/46.27	11-29870	yes	
03-sie-89, 89/49 Sierraville, PM 15.1 to 20.1	03-4M15101	yes	
09-mno-270	09-338101	yes	
12-org-74, 0.0/1.1 & 3.0/13.3	12-0J4301	yes	
05-Santa Cruz-1, PM R0.04 to PM 10.2	05-0M7501	yes	
03-Sie-89, PM 0.0 to 15.1	03-2F5801	yes	
02-Nev-395, PM 56/64	02-4E2401	yes	
03-Sutter-113, PM 0 to 4.7, 5.1 to R10.8	03-1F8100	yes	
01-Men-128, PM 31.0 to 50.9	01-3637U	yes	
03-Yol-5, PM 0.3/R14	03-2F010	CCO	
Lak/Men District 1 CAPM Project	01-3994U	CCO	under construction

**Project Longer Life Flexible Pavements**

<b>Task</b>	Asphalt	<b>Subtask</b>	Section 39
<b>Target Completion Date</b>	6/30/2013	<b>Number</b>	11
<b>Status</b>	Active	<b>Progress</b>	55 %
<b>Rock Products Committee</b>		<b>YES</b>	

**Purpose** Design and build longer life flexible pavements in California to minimize the needs for future structural improvement or rehabilitation.

**Overall** Selected and designed 4 (Red Bluff, Weed, Solano, and Willits) long life flexible pavement projects in northern California.

Project Lead	Imad Basheer	Office	Asphalt	Phone	274-6155	E-FIS Project Number	E-FIS Subtask Number
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status	
# 1 Support District for N. Cal Project	Asphalt	6/30/2010	6/30/2011	100	100	Selected 3 projects (Red Bluff, Weed & Willits)	
# 2 Monitoring I-710 Pavement Performance	UCPRC	6/30/2010	6/30/2013	75	40	UCPRC to conducted IRI & FWD in 2011.	
# 3 Develop NSSP for N. Cal Project	Asphalt	2/1/2011	6/30/2011	100	100	Completed NSSP for Red Bluff & Weed.	
# 4 Evaluation and Monitoring of Weed and Red Bluff	Asphalt	7/2/2012	6/28/2013	0	0	Projects advertise 9/19/11	
# 5				0	0		
# 6				0	0		
# 7				0	0		
# 8				0	0		

**Log** 12/9/2010 - Caltrans/Industry meeting on long life meeting. Two projects in D2 were discussed. UCPRC will conduct lab testing.

5/13/11 - Updated Status, PJV

7/12/11 - D4 Sol 80 and D1 Men 101-Willits Bypass; 40 yr pvmt designs completed

**Project Materials Plant Quality Program (MPQP) RHMA**

**Target Completion Date** 9/30/2011      **Number** 12      **Status** Active      **Task** Asphalt      **Subtask** Construction/Plants  
**Progress** 96 %      **Rock Products Committee** YES

**Purpose** Find a means of better controlling construction process by requesting materials records at plant during hot mix asphalt production.

**Overall** Caltrans staff visited two plants with 2 different blending units. CT & Industry met on 9/15 to review the 8/23 version. Minor edits are to be made; final doc is expected by 9/29 in time for the 9/30/11 posting.

<b>Project Lead</b>	Ebi Fini	<b>Office</b>	Construction Engineering		<b>Phone</b>	227-5396	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>	
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>			<b>Status</b>		
<b># 1</b> MPQP for asphalt rubber binder	Constr	6/30/2010	9/30/2011	95	100	In final review. To be posted 9-30-11				
<b># 2</b> Plant visits	HQ Constr	6/1/2011	7/25/2011	100	100	Visits completed				
<b># 3</b>				0	0					
<b># 4</b>				0	0					
<b># 5</b>				0	0					
<b># 6</b>				0	0					
<b># 7</b>				0	0					
<b># 8</b>				0	0					

**Log** 2/9/2010 - RHMATG meeting discussed MPQP but no immediate action required.

10/27/2010 - RHMATG meeting reviewed draft MPQP. Electronic copy was sent out to industry on 10/29 for comments. Deadline Dec. 1, 2010.

12/16/2010 - RHMATG meeting did not discuss the draft. No comment was received by 12/1 and prior to the meeting. A new date for comments was scheduled for early January, 2011.

1/17/2011 - Industry provided their comments/opinions on the MPQP RHMA portion.

1/18/2011 - CT reviewed the document and sent a table to industry co-chair asking to separate comments from opinions for better addressing comments.

2/14/11, beginning review and comment phase with industry, PJV

3/29/2011 - RHMATG reviewed comments from industry and responses from Caltrans. Resolution table and MPQP will be updated.

5/4/2011 - Revised MPQP sent to industry co-chair.

5/13/11 - Updated Status, PJV.

5-31-11 - RHMATG meeting rescheduled to June 7, 2011 for final industry comments. CDS

6/7/11 - RHMATG continued resolution of MPQP issues. 3 issues remain. Industry to schedule site visits to assist resolution. HZ

7/26/11 - Site visits completed. Caltrans/industry met to continue work on MPQP ARB. Issues on lot number and temp sensing on distributor trucks remain to be resolved. HZ

8/22/11 - Met with industry co-chairs to review the 8/2 revision. Next mtg is on 9/15. CT to post the final on 9/30/11. HZ

9/15/11 - Met with industry to review the MPQP 8/22 revision. Final doc is expected by 9/29 in time for the 9/30 posting. HZ

**Project CT 559 and Minimum cementitious issue for Pavement**

**Task** Concrete **Subtask** Concrete Materials/QA  
**Progress** 60 % **Rock Products Committee** YES

**Target Completion Date** 10/15/2011 **Number** **Status** Active

**Purpose** CT559 test requirements and minimum cementitious materials listed in section 40 conflicts with equations in section 90.

**Overall** This issue was raised from Technical changes on section 40 and transferred to materials and QA STG as a priority item. Scoping document submitted TG for approval during CT only meeting on 9-21-11.

<b>Project Lead</b>	<b>Rob Reis</b>	<b>Office</b>	<b>916 227 7287</b>	<b>Phone</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
<b># 1</b> Establish project team and develop scoping document	Materials	8/1/2011	8/15/2011	100	100	project team meetings held
<b># 2</b> Discuss draft proposal with all parties	Materials	8/15/2011	9/15/2011	100	100	Draft proposal finalized in STG meeting.
<b># 3</b> Get TG approval on scoping document and Implement changes to plain language.	Materials	9/15/2011	10/15/2011	0	40	
<b># 4</b>				0	0	
<b># 5</b>				0	0	
<b># 6</b>				0	0	
<b># 7</b>				0	0	
<b># 8</b>				0	0	

**Log** 8/18/11  
 Several meetings were held and a proposal was drafted. Draft proposal is being distributed to STG for review, comments are due by Sept 1st.

**Project QC/QA Spec for Cast-in-Place Concrete**

**Target Completion Date** 7/1/2012      **Number** 5      **Status** Active

**Task** Concrete      **Subtask** Concrete Materials/QA  
**Progress** 50 %      **Rock Products Committee** YES

**Purpose** Implement QA specifications for materials management of structural concrete.

**Overall** FHWA/DOT practices and QC outline report final. Draft QA guideline report being reviewed by project team. ACMs recommended 20 projects of which 10 will be used. METS working on getting ACI certs for staff. Spec in progress. Extensive outreach program.

<b>Project Lead</b>	<b>Rob Reis</b>	<b>Office</b>	<b>Structural Materials</b>	<b>Phone</b>	<b>(916) 227-7287</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>	
<b># 1</b> Establish teams and review existing practices (FHWA, DOTs)	OSC	12/1/2010	5/31/2011	100	100	Teams are established. Draft review of existing FHWA and other State DOT have been circulated.	
<b># 2</b> Develop outline for QC/QA/IQA/IA program	Materials	3/1/2011	10/17/2011	95	90	QC program is complete. QA program is being finalized.	
<b># 3</b> Draft QC/QA reference specification and selection of pilot projects	Materials	7/1/2011	11/1/2011	60	70	Ruth Fernandes is working on draft spec. They requested more time to resolve questions and finalize specs.	
<b># 4</b> Workshops and roll out 10+ pilot projects (structural concrete/non-pavement) and additional 10 pavement projects to be added later on	Materials	11/1/2011	1/1/2012	0	0		
<b># 5</b> Feedback and update other concrete	Materials	12/1/2011	4/1/2012	0	0		
<b># 6</b> Establish full implementation on all projects		4/1/2012	7/1/2012	0	0		
<b># 7</b>				0	0		
<b># 8</b>				0	0		

**Log** 8/16/11  
 Project team discussed status of work and deliverables and extensive outreach program. A presentation was done on August 25th for CCTIA.

7/28/11  
 Met with CCTIA distributed questionnaire regarding potential issues with QC/QA spec and accreditation.

7/20/11  
 Discussed QC/QA program with ACM's. Project list distributed to ACM's. Feedback due 8/3/11.

7/15/11 (IA Meeting)  
 CT in agreement to recognize ACI program. CT to work with ACI Northern and Southern Chapters to get District and Headquarters staff certified ACI Field and Lab Level 1.

Update from May 24, 2011:  
 Project Team continues to progress on work as planned. The review document of FHWA procedures and other DOT QCQA specifications, in addition to recommended strategy and alignment of proposed QCQA with FHWA Roadmap, is in final stages of review, including review by FHWA stakeholders. QCQA outline of required QCQA tests and frequencies is in final stages of development. Schema efforts for collecting and reporting ASTM test data/results for pilot projects is under way.

- The team has reached agreement from the Department and Industry (with no major concerns) for the following aspects:
1. Require NRMCA certifications for plants and AASHTO Accreditation for Labs.
  2. Require aggregate source quality related tests (eg soundness and abrasion) as part of prequalification.

3. Use ASTM methods for pilot programs for all testing.
4. QA Testing for the pilot program may be performed by Translab and other lab hired by Department

**Project Precast Structures Specification/Precast QCQA Provisions**

**Target Completion Date** 1/1/2013      **Number** 6      **Status** Active      **Task** Concrete      **Progress** 30 %      **Subtask** Precast Concrete      **Rock Products Committee** YES

**Purpose** Update spec to add additional levels (e.g. minor non-structural) of QC/QA for precast and separate precast from section 90

**Overall** The combined scoping document was approved by TG on 7/14/11. Project team is being formulated to handle the issue. An outline of the spec is being created.

Project Lead	Keith Hoffman	Office	Structural Materials	Phone	707-649-5468	E-FIS Project Number		E-FIS Subtask Number	
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status			
# 1 Review Existing Programs	Materials	12/1/2010	3/1/2011	100	100	Existing practices were reviewed			
# 2 Compose draft program	Materials	3/1/2011	2/1/2012	40	60	OSMPP, tier priority list etc. is being revised to come up with the first step of implementation plan. Spec outline is being created.			
# 3 Gather and compile feedback	Materials	2/1/2012	8/1/2012	0	0				
# 4 Finalize draft specification	Materials	8/1/2012	11/1/2012	0	0				
# 5 Implement Specification		11/1/2012	1/1/2013	0	0				
# 6				0	0				
# 7				0	0				
# 8				0	0				

**Log** 8/18/11

This issue was discussed in CT only STG meeting and SOE expressed concerns regarding consensus on the issue and their desire to work on it.

7/29/11

Scoping document was approved by TG on 7/14/11 meeting.

Over the past few months, several meetings were held at Sub Task Group level and Project Lead level to receive concurrence as well as input from members of the Sub Task Group.

Currently the project team remains focused on composing a draft program and draft language, reviewing our existing practices, and gauging the affect this change will have on future projects.

Project team meetings will be held as necessary in the coming weeks.

7/5/11

Scoping document was approved by the STG on 6/17/11. Work plan will be revised based on comments from the TG.

5/24/11

This issue has been officially combined with the Precast QC/QA Provisions activity. Industry has given their buy-in, and the group remains committed to carrying out the scheduled workplan

5/5/11

This issue will be combined with Precast Structures Specification. The objective will be to separate Precast provisions from the other concrete material provisions in Section 90.

Updates from March 17 Meetings:

A discussion occurred regarding the IAP and how it relates to Precast. All agreed that will be an important item to be discussed in the QC/QA Activity in the Materials & QA STG.

Updates from Feb 17 Meetings:

- A final detailed work plan has been completed for this Activity, and the project team has begun conducting meetings to complete all of the objectives listed.
- Currently the team is reviewing Existing practices, to include reviewing OSMPP, Tier Priority Lists, and historical performance of each Concrete material item.
- A Detailed Outline of the QC/QA Protocols will be the next portion that will be hashed

**Project Section 90 on Concrete of 4000 psi or Greater**

**Target Completion Date** 6/1/2012      **Number** 8      **Status** Active      **Task** Concrete      **Subtask** Concrete Materials/QA  
**Progress** 30 %      **Rock Products Committee** YES

**Purpose** Section 90 caps cement. Industry concerned about caps effect on projects.

**Overall** Couple of proposals are being discussed. It is agreed to form a larger project team to come up with best possible option after scoping document is finalized.

Project Lead	Rob Reis	Office	Structural Materials	Phone	916 227-7287	E-FIS Project Number		E-FIS Subtask Number	
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status			
# 1 Update Scoping Document	Industry	11/1/2010	9/15/2011	90	105	The draft scoping document is being reviewed. Industry needs to update Scoping document by Sept 15.			
# 2 Review and finalize updated Scoping Document and present it for TG approval	Materials	7/14/2011	10/14/2011	50	80	Industry provided additional input, more examples are requested to accurately define scoping document			
# 3 Create project teams and finalize workplan	Industry	9/15/2011	10/31/2011	50	25				
# 4 Discuss potential solutions and recommend any revisions to specs	Materials	10/31/2011	3/1/2012	0	0				
# 5 Update final specs	Materials	3/1/2012	6/1/2012	0	0				
# 6				0	0				
# 7				0	0				
# 8				0	0				

**Log** Update from 8/18/11

One proposal discussed at CT only meeting, several comments were received from various people. It was decided to handle section 40 items first separately and then eventually deal with section 90 issues by holding necessary project team meetings.

Updates from 5/24/2011:

Industry is being asked to help provide examples of mix designs where the cap on cement is creating problems in producing workable and economical moderate strength concrete

5/3/11

Currently producing minor revisions to scoping document. Discussed with Tom Tietz on 5/3/11. Ready Mix survey was completed to get feedback from concrete producers regarding specific mix design issues. Revised scoping document and survey will be circulated to Subtask Group members the week of May 9, 2011 so that options can be discussed at CT only Subtask Group 5/19/11 meeting.

Updates from March 17th Meeting:

Tom Tietz produced and proposed an updated scoping document for this activity. He would ultimately like for additional cost-benefit analysis to be done to add greater emphasis for the factors listed in the updated scoping document.

David and Mark next discussed the issues with Equation 2 that they have seen in southern California. They have encountered problems making strength with concrete designed in the 4000-6000 psi range without having large cost and not limiting the workability of the materials. Mark emphasized that the strength is especially difficult to achieve in freeze/thaw areas where 5-6% air content is needed.

Rob suggested that the next step for this activity would be to evaluate the items presented and create a timeline for when each of these points will be evaluated. John would help gather together the cost-benefit analysis and any history of issues that the new Section 90 has presented.

Group agreed that possible resolutions to this issue could be allowing additional cement content for concrete designated for 6000 psi and above, or changing Equation 1 to the "TC" value instead of "MC" value.

Updates from Feb 17th Meeting:

- Industry is taking the lead on this issue, and will provide updates to their CT-counterparts as soon as deliverables are finalized in the upcoming subtask group meeting

**Project Statewide Aggregate Source Database**

**Target Completion Date** 7/1/2012      **Number** 9      **Status** Active

**Task** Concrete  
**Progress** 40 %

**Subtask** Concrete Materials/QA  
**Rock Products Committee** YES

**Purpose** Database for Statewide consistency in aggregate source testing. Centralized database.

**Overall** Schema data/results extracted ASTM's. Tabulating schema/developing code.

Project Lead	Rob Reis	Office	Structural Materials		Phone	916-227-7287	E-FIS Project Number		E-FIS Subtask Number	
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status				
# 1 Establish teams	Materials	12/1/2010	2/18/2011	100	100	Teams are established				
# 2 Determine applicable tests	Materials	2/18/2011	6/30/2011	100	100	Completed. Applicable tests have been outlined				
# 3 Review test methods/develop schema	Materials	2/18/2011	6/30/2011	100	100	Completed. Schema was developed from test methods.				
# 4 Establish pilot database	Materials	6/30/2011	12/30/2011	30	50	Schema is being tabulated.				
# 5 Receive feedback from all users	Materials	12/30/2011	6/30/2012	0	0					
# 6 Consider additional phases/use of data	Materials	6/1/2012	7/1/2012	0	0					
# 7				0	0					
# 8				0	0					

**Log** Update 7/1/11:  
Schema data/results were extracted from applicable test methods. Work continues on tabulating schema and developing code.

Updated for 5/24/2011:  
Scoping document has been updated to reflect input/comments from industry. Schema efforts from QCQA issue will be of assistance in completing work efforts on this issue.

Update 5/3/11  
Additional follow-up was made with industry. Confirmed that industry would like the Department to maintain an internal database where aggregate source data can be shared among Districts. Discussions were initiated with Loren Turner regarding platforms for collecting data. Survey was drafted to be sent to DMEs to collect the business practices of district labs.

Updates from March 17 Meetings:  
Rob emphasized that the purpose of the activity was to create a single database that is able to communicate test results between the district labs. Keith gave a background description of STATS program and the importance of keeping a single database system between districts. Bruce and Keith, indicated that having something similar to the PQPL would be beneficial, as opposed to producing and publishing test results. Keith suggested that we also want to be able to publish items into a format that district labs will be comfortable with and will have easy access to.

Updates from Feb 17 Meetings:  

- A final detailed work plan has been completed for this Activity, and the project team has begun conducting meetings to complete all of the objectives listed.
- Currently the team is reviewing the Legal Aspects and also the applicable ASTM and CTM standards that will be used to manage the database
- The team is also developing the Platform that the Database will use, incorporating this new database into pre-existing databases already in use

**Project Elimination of Mock-Up Requirement for SCC Precast Option**

**Target Completion Date** 1/1/2012      **Number** 10      **Status** Active

**Task** Concrete      **Subtask** Precast Concrete  
**Progress** 50 %      **Rock Products Committee** YES

**Purpose** Eliminate Mock-up requirement when SCC is used for precast.

**Overall** This issue became the first priority as it only requires a quick change to the specification. The scoping document was approved by TG on 7/14/11 meeting. A draft change has been proposed, which needs further discussion at project team level.

<b>Project Lead</b>	Keith Hoffman	<b>Office</b>	Structural Materials	<b>Phone</b>	707-649-5453	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>	
<b>Deliverable or Task</b>	Office	Start Date	End Date	Complete %	Elapsed %	Status			
<b># 1</b> Review Existing Spec	OE	5/1/2011	7/1/2011	100	100	Completed Review. Spec will be based on Plain Language.			
<b># 2</b> Review industry practices	Materials	7/1/2011	8/1/2011	100	100	complete			
<b># 3</b> Compose proposed change	OE	8/1/2011	10/3/2011	50	90	Draft was discussed on 8/18 meeting and STG meeting in Sept. Proposal sent to SOE for updating SSP.			
<b># 4</b> Gather and compile feedback from all necessary parties	OE	10/3/2011	11/1/2011	0	0				
<b># 5</b> Finalize the Spec and Publish	OE	11/1/2011	1/1/2012	0	0				
<b># 6</b>				0	0				
<b># 7</b>				0	0				
<b># 8</b>				0	0				

**Log** 8/18/11

Draft spec was discussed on 8/18 meeting. Needs further discussion at project team level. The issue will be further discussed in STG meeting on Sept 15th and then refined in project team meeting in end of September.

7/29/11

The scoping document was approved by TG on 7/14/11 meeting.

Over the past few months, several meetings were held at Sub Task Group level and Project Lead level to receive concurrence as well as input from members of the Sub Task Group.

Currently the project team remains focused on composing a draft program and draft language, reviewing our existing practices, and gauging the affect this change will have on future projects.

An initial draft of the new SCC for Precast SSP language is currently being reviewed by the STG. This review will form the basis for future SSP development.

Update from 6/17/11 Subtask group meeting:

The Scoping document and Work Plan were created on May 19 and approved on 6/17/11. This issue has been listed as prioity level 2 for this subtask group.

Updated from May 24:

- Project is in the early stages, but contains great interest from all assigned parties
- Target is to complete activity prior to 1/1/2012
- Goal is to be scheduling meetings on a bi-weekly basis
- Project team will be the same as the team for the 2010 Plain Language feedback

**Project Precast Concrete Pavement**

**Task** Concrete **Subtask** Precast Concrete  
**Target Completion Date** 11/30/2012 **Number** 11 **Status** Active **Progress** 20 % **Rock Products Committee** YES

**Purpose** Develop comprehensive departmental guidance or standard approach on the use of precast concrete pavement.

**Overall** PPCP nSSP was updated based on lessons learnt from CC-680 project in 9/7 meeting. Another meeting is planned to review Std. details.

Project Lead	Mehdi Parvini	Office	Concrete Pavement	Phone	916-227-5848	E-FIS Project Number	E-FIS Subtask Number
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status	
# 1 Develop Draft PPCP nSSP	Conc Pvmt	7/1/2010	6/30/2011	100	100		
# 2 PPCP Standard Plan	Conc Pvmt	7/1/2010	10/1/2011	50	100	Sent out for review on 8/11.	
# 3 Establish Design Criteria (All PCP)	Conc Pvmt	7/1/2010	12/30/2011	5	85	Report for I-5/14 to be completed by district. I-80 being reviewed. I-680 construction lessoned learned.	
# 4 Prestressed PCP Design Guide	Conc Pvmt	12/1/2010	3/30/2012	5	60	Contacts have been made with Transtec (through FHWA), waiting for White Paper.	
# 5 Develop generic non-prestressed PCP nSSP	Conc Pvmt	3/30/2012	6/30/2012	0	0		
# 6 Develop generic non-prestressed PCP Std. Plan Details	Conc Pvmt	3/30/2012	8/30/2012	0	0		
# 7 Performance Evaluation Guidelines (for Proprietary Systems)	Conc Pvmt	3/30/2012	10/30/2012	0	0		
# 8 Update prestressed PCP SSP (after I-710 first construction season)	Conc Pvmt	3/30/2012	11/30/2012	30	0	Proposed changes by D4 was implemented in PPCP nSSP.	

**Log** 9/9/11-Status update-MP

8/26/11- Draft Std. Draawings were sent out for review on 8/11 to be discussed in 9/8 meeting.

7/29/11

Scoping document was approved by TG on 7/14/11 meeting.

A Final draft of the PPCP nSSP was completed on June 30, 2011.

Development of the new I-710 precast pavement specification has indicated, however, that a couple of changes need to be made to that final draft. Changes will be distributed to the Project team members in the coming weeks.

The next project team meeting is currently scheduled for Mid-August 2011

7/12/11-status update-MP

6/66/11-Final version of scoping document was approved by Precast STG on 6/17/11 and by Concrete TG on 6/22/11.

Final version of Scoping Document was approved by Precast STG on 6/17/11. The PCCP nSSP is set to be completed by end of June.

5/27/11-Final version of scoping document was submitted on June 21, 2011. The document will be sent to Precast STG for review. The attached work plan will be revised based on feedback from Precast STG.

Updates from May 24th Meeting:

- An updated Scoping Document is in the final stages, which includes an updated timeline. Scoping Document will be finalized by June 1.

- First goal, completion of nSSP for PPCP Pavement, will be completed by 6-30-11

- Next team meeting will be June 13, 2011

A draft spec was worked on throughout May 2011. Target completion of PPCP nSSP is 6-30-11. Plan is to use the final I-710 spec, which will RTL in June. A modified scoping document and workplan to be prepared by June 1. Next meeting will be June 13, 2011

Updates from May 2nd Meeting:

A \$300 million project RTL this month. Need to work on that spec. Issues resolved on that spec will be used to complete this project.

Updates from March 17th Meeting:

Keith wanted to clarify if the proposed SSP will dictate which system to use, or allow for proprietary systems.

Keith and Jim mentioned that creating an NSSP might be a better way to get the spec onto paper, and allow for future revisions that may be able to turn this into an SSP. This would allow time for current projects to be evaluated to see what challenges/claims we've encountered, and adjust off of these lessons learned.

Updates from Feb 17th Meeting:

- A final detailed work plan has been completed for this Activity, and the project team has begun conducting meetings to complete all of the objectives listed.
- Draft Standard Plans and Specs are about 25% complete; A draft Plan was discussed at the Feb 17 meeting
- Project team members are incorporating lessons learned on previous Precast Pavement projects, and will incorporate this into the language of the SSP

**Project Section 40 Technical Changes**

**Target Completion Date** 10/30/2011      **Number** 12      **Status** Active

**Task** Concrete      **Subtask** CIP Concrete Pavement  
**Progress** 65 %      **Rock Products Committee** YES

**Purpose** To revise Section 40.

**Overall** TG review to be completed by 9/30/11.

Project Lead	Mehdi Parvini	Office	Concrete Pavement	Phone	916-227-5848	E-FIS Project Number	E-FIS Subtask Number
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status	
# 1	Industry provide updated comments	Conc Pvmt	3/10/2011	4/4/2011	100	100	Industry wanted to revisit previous comments to see if still applicable.
# 2	Collect new comments and merge with existing ones	Conc Pvmt	3/10/2011	6/30/2011	100	100	Received all the comments by 6/30/11.
# 3	Discuss the comments on CIP STG (resolve, assign priority, drop)	Conc Pvmt	3/10/2011	9/1/2011	100	100	Comments were completely addressed in 7/28/11 meeting.
# 4	Prepare scoping document and work plan for major issues	Other	6/30/2011	9/30/2011	50	95	Industry provided scoping document for CT559. A scoping document for dowel bar is needed from construction.
# 5	Circulate draft Sec. 40 with all recommended changes	Conc Pvmt	9/1/2011	9/30/2011	30	90	It is sent to CTG for review.
# 6	Address comments and get stakeholders approval	Other	10/1/2011	10/30/2011	0	0	
# 7	Prepare 2006 parallel changes	Conc Pvmt	9/15/2011	10/1/2011	0	75	
# 8						0	

**Log** 9/23/11-status update-MP

9/9/11 - Addressing the proposed changes was completed in 7/28/11 meeting. Draft was sent out to Concrete TG for review on 8/24. After TG review, it is going to be circulated to all Caltrans.  
 8/26/11-Draft was sent out for final review on 8/10 with a deadline for comments of 8/22.  
 7/12/11-Portion of comments were addressed in 7/7/11 meeting. Scheduled another meeting for 7/28/11.  
 7/6/11-Industry submitted final proposed changes by 6/30/11 to be discussed in 7/7/11 meeting.  
 6/22/11-Initial meeting on 7/7/11 with Industry (per previous plan). Internal review mid July, resolve issues and send to Industry by end of July. Meet early August with Industry to finalize. Submit for approval and publishing.  
 5/27/11-All the proposed changes to Sec. 40 (from Caltrans units and Industry) were incorporated in the draft working spec and was sent to CIP STG for review. Would start to address changes in 6/9/11 meeting.  
 5/13/11-Tie bar tolerance and friction testing language were inserted in Sec. 40. CoTE and CT 559 (min. cement content) was discussed in 5/12/11 meeting. A new draft would be prepared by 6/9 to be presented to CIP-STG.  
 5/9/11-Craig Knapp and Mehdi met on 5/2/11 to discuss DFI and how that device might be able to be used for pavement. Craig will present a long term option for the CIP Concrete Pavement Subtask Group.  
 A proposed language was discussed previously for a short term option.

3/30/11- Schedule CIP STG to go over all the technical change comments received from the 2010 review for Section 40 and have subtask group make the following recommendations for task group review:

- a. Make the spec change now.
- B. Needs more discussion and research. Have scoping document developed and issue prioritized for future work.
- C. Do not make requested change. Drop the issue.

For item b, establish priorities for the new and old items for 11/12 FY to report to task group.

**Issues:**

- CoTE (short term)- A draft proposed language is sent out for review and comments.
- Tie bar placement tolerance- A proposed language was discussed in the 3/10/11 meeting and was agreed.
- Friction testing time - A proposed language was discussed in the 3/10/11 meeting and was agreed.
- CT 559 - Industry to provide document on potential issues.

Goal:To address comments from Industry, Construction, and other units made on Section 40 during the 2010 PLV exercise.

**Project Coefficient of Thermal Expansion (CoTE)**

**Target Completion Date** 12/30/2012      **Number** 13      **Status** Active

**Task** Concrete  
**Progress** 20 %

**Subtask** CIP Concrete Pavement  
**Rock Products Committee** YES

**Purpose** To include CoTE as a design and construction criteria for concrete pavements

**Overall** No new activity in this period. No new data is reported.

Project Lead	Mehdi Parvini	Office	Concrete Pavement	Phone	916-227-5848	E-FIS Project Number	E-FIS Subtask Number
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status	
# 1	Modify spec to reduce test frequency	Asphalt	1/1/2011	6/9/2011	100	100	completed.
# 2	Gather Data (freq. & action for non-compliance)	Conc Pvmt	1/1/2011	12/30/2012	5	35	Only three tests (two from Twining and one from METS) received.
# 3	Evaluate data for variance & acceptance	Conc Pvmt	9/30/2011	4/1/2012	0	0	
# 4					0	0	
# 5					0	0	
# 6					0	0	
# 7					0	0	
# 8					0	0	

**Log** 8/26/11-status update-MP

6/22/11-The proposed spec change was agreed in 6/9/11 meeting.

5/27/11-The proposed spec change was discussed in 5/12/11 meeting. Clatrans comments were incorporated in the draft. The new draft wa sent to Industry for review and discussion on 6/9/11 meeting.

5/13/11-Meeting between Pavement, Construction, and METS was held on 5/6/11. A new draft proposed language was discussed in 5/12/11 meeting. Another draft has been prepared to be discussed in 6/9/11 meeting.

5/12/11- A new language was proposed at 5/12/11 meeting.

5/9/11- Rosme, Mehdi, and Austin are in discussion regarding the proposed spec language on test frequencies and the acceptance criteria.

3/30/2011-

Long Term - A list of projects (JPCP and CRCP) that have CoTE in their spec has been compiled. The RE's have been contacted to providing guidance and resolve the potential issues. The CoTE website is designed and ready for data submittal. No data has been submitted (most of the projects are not in construction yet).

**Project Safety Edge (Concrete)**

**Target Completion Date** 12/30/2011      **Number** 14      **Status** Active      **Task** Concrete      **Subtask** CIP Concrete Pavement  
**Progress** 50 %      **Rock Products Committee** YES

**Purpose** Implement "safety edge" for rigid pavements.

**Overall** Received comments are implemented. Proposed locations for E-Gap agreed. In the process of writing a CCO to insatll on E-Gap project.

<b>Project Lead</b>	Mehdi Parvini	<b>Office</b>	Concrete Pavement		<b>Phone</b>	916-227-5848	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>	
<b>Deliverable or Task</b>	Office	Start Date	End Date	Complete %	Elapsed %			Status		
<b># 1</b> Develop Draft Specification & Plan	Conc Pvmt	2/1/2011	6/30/2011	100	100	Comments are reviewed to be incorporated in the spec and plans.				
<b># 2</b> Demo specification and plan on concrete projects and finalize spec and plan	Conc Pvmt	4/1/2011	10/15/2011	30	90	E-Gap is writing a CCO to install the safety edge.				
<b># 3</b> Adopt Safety Edge (Policy, Spec, Plan)	Conc Pvmt	9/15/2011	10/30/2011	20	25	A draft policy is prepared to include the safety edge as a standard practice and is under review				
<b># 4</b> Update manuals, specs, and plan	Conc Pvmt	9/15/2011	10/30/2011	0	25	Update relevant manuals and standards such as HDM (both for asphalt and concrete)				
<b># 5</b> Outreach (bulletins & training)	Conc Pvmt	4/1/2011	12/30/2011	50	65	Refer to the list on the Log. No specific training for concrete pavement.				
<b># 6</b>				0	0					
<b># 7</b>				0	0					
<b># 8</b>				0	0					

**Log** 9/23/11-status update-MP

9/7/11 - Sent final draft to Industry (on 8/3 with a deadline for comments of 8/15) and Management Boards (on 8/4 with a deadline for comments of 8/26).  
6/22/11-A draft spec for concrete was discussed in 6/9/11 meeting. Issues were brought up by Industry. Spec and plans circulated for internal review on 6/27/11 due 7/5/11. Received comments. Talking to D3 and D8 about test section for concrete.  
5/27/11-Draft concrete safety edge spec was reviewed by Caltrans. Comments were included and the new draft was sent to Industry for discussion in 6/9/11 meeting. Request was sent to RE on 5/13/11 to include SE inE-Gap project.  
5/13/11-Draft PCC spec was discussed in 5/12/11 meeting. It will be presented to Industry in 6/9/11 meeting. Looking for concrete project to demo (E-Gap a potential candidate).  
5/9/11- A draft spec and detail for PCC is prepared. A draft Safety Edge Policy is prepared. Internal meeting was held on 5/3/11. A meeting between FHWA and CT was held on 5/6/11. The draft spec has been sent out for review and discussion in 5/12/11 meeting.

- Presentations and Trainings:
- Presentation at MTAG 3/24/10
  - Presentation at RPC 2/25/2010
  - Two Webinars 4/29/10 and 6/2010
  - D4 PE Meeting on 6/2/10
  - D6 On 11/18/10
  - D11 on 7/21/10 and 2/9/11
  - D12 on 7/22/10
  - Open House 9/23/10
  - Shared with CMB 11/17/10
  - Shared with MMB 12/9/10
  - Shared with DMB 1/20/11
  - Shared with PPSC 2/6/11
  - Presentation at OST 4/21/11
  - D1 on 4/18/11
  - D2 on 3/11/11

**Project CRCP Design Details**

**Target Completion Date** 12/1/2011      **Number** 15      **Status** Active

**Task** Concrete      **Subtask** CIP Concrete Pavement  
**Progress** 90 %      **Rock Products Committee** YES

**Purpose** Prepare and improve CRCP std. plans.

**Overall** New language for supporting chairs and construction joints were agreed in 7/28 meeting (part of Sec. 40). New issues were added to the existing scoping document.

<b>Project Lead</b>	<b>Office</b>	<b>Concrete Pavement</b>	<b>Phone</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>	
Flor Bautista	Concrete Pavement	916-227-5843				
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
# 1 Develop standard plans and guides	Conc Pvmt	11/1/2005	9/10/2009	100	100	Approved
# 2 Review changes to transverse steel	Conc Pvmt	2/1/2011	8/1/2011	100	100	Changes are done.
# 3 Guidance for end treatments	Conc Pvmt	11/1/2010	12/1/2011	70	85	Met with Industry and national experts on 4/8/2011. Developed draft guidance. Review by Caltrans OC completed 6/30/2011.
# 4 Dealing with CRCP at cont. joints	Conc Pvmt	2/1/2011	9/23/2011	75	100	Has been completed. A separate issue will be added for project deliverables regarding reinforcement steel at construction joint when providing temporary pavement at construction joint.
# 5 Revise Standard Plans	Conc Pvmt	8/1/2011	10/21/2011	30	75	Standard plans revision are being drafted. To be circulated with other technical changes to Section 40.
# 6 Use of plastic chairs in lieu of steel chairs in corrosive environment	Conc Pvmt			0	0	
# 7 Develop standard plan for wide flange beam connections in differing pavement thicknesses	Conc Pvmt			0	0	
# 8 Dealing with CRCP longitudinal reinforcements at construction joints when providing temporary pavement.	Conc Pvmt			0	0	

**Log**

- 9/12/11-Standrad plans that need revisions: CRCP RNSP P4, P31A. Other plan sheets P1, P8, P10, P18, P30. Coordinated with HQ drafting unit to start draft drawings of the proposed changes to the plans.
- 8/26/11-status update-MP
- 7/12/11-New construction joint language to be discussed on 7/28/11 meeting.
- May 2: The work on construction joint detail has been completed.
- May 24: Guidance for CRCP construction joint is currently under review.
- Ma 26: Guidance on end treatment is currently under review.
- June 7: Drafted standard plan changes to transverse steel.

Goal: To assure that state funds are utilized in the most cost effective manner possible over the life of the pavement and that the product will meet its intended design life.

**Project Rapid Strength Concrete for JPCP**

**Target Completion Date** 2/15/2012      **Number** 16      **Status** Active

**Task** Concrete

**Subtask** CIP Concrete Pavement  
**Rock Products Committee** YES

**Progress** 45 %

**Purpose** Prepare specification for use of rapid strength concrete (RSC) for new construction of jointed plain concrete pavement (JPCP)

**Overall** 9/23 Comments from Construction and Industry are being reviewed and addressed

<b>Project Lead</b>	Cornelis Hakim	<b>Office</b>	Concrete Pavement	<b>Phone</b>	227-5854	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>	
<b>Deliverable or Task</b>	Office	Start Date	End Date	Complete %	Elapsed %	Status			
<b># 1</b> Prepare draft spec	Conc Pvmt	3/1/2011	5/15/2011	100	100	Draft specs were prepared.			
<b># 2</b> Review draft spec	Other	5/16/2011	9/15/2011	100	100	Comments from Construction and Industry are being reviewed.			
<b># 3</b> Circulate draft spec (Subtask group, districts)	Conc Pvmt	7/25/2011	9/15/2011	100	100	Sent out to STG on 8/9/11. Due 8/29.			
<b># 4</b> Address comments	Conc Pvmt	9/12/2011	10/12/2011	10	50	Comment Received from industry and construction and being incorporated into the spec.			
<b># 5</b> Send for general review (District, Industry, other HQ)	Conc Pvmt	10/16/2011	11/15/2011	0	0				
<b># 6</b> STG finalize spec	Conc Pvmt	11/16/2011	12/15/2011	0	0				
<b># 7</b> Obtain Mandatory Concurrence	Conc Pvmt	12/16/2011	1/15/2012	0	0				
<b># 8</b> Submit and Publish Spec	OE	1/16/2012	2/15/2012	0	0				

**Log** 9/9/11- Status update-MP  
 5/9/11- Draft spec is developed and is currently under review.  
 Topics like Open strength were discussed during the meeting - modulus of rupture value of RSC for opening is currently less than that of regular pavement.  
 The project is still on target for June.

**Project Fully Pervious Concrete Pavement**

**Target Completion Date** 12/31/2011      **Number** 17      **Status** Active      **Task** Concrete      **Subtask** CIP Concrete Pavement  
**Progress** 50 %      **Rock Products Committee** YES

**Purpose** Develop specifications for a fully pervious conc pavement for low-risk applications (e.g., parking lots, bike paths).

**Overall** Specifications for pervious concrete and interlocking pavers circulated in work group. Met Sept 1&21, 2011. Discussed comments of work group review on material. Next meeting Oct 25.

<b>Project Lead</b>	Doran Glauz	<b>Office</b>	Concrete Pavement		<b>Phone</b>	916-227-5848	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>	
<b>Deliverable or Task</b>	Office	Start Date	End Date	Complete %	Elapsed %	Status				
<b># 1</b>				0	0					
<b># 2</b> Draft Specification for Concrete	Conc Pvmt	6/15/2011	11/30/2011	85	60	Draft specification in 2010 format is drafted. Work group comments compiled second revision completed and to be sent to OE for gramar and format.				
<b># 3</b> Draft Specification for Base	Conc Pvmt	8/3/2011	12/31/2011	52	35	Draft specification for base in 2010 format is complete and under work group review. It is a general purpose reservoir base that can be used for any pervious surfacing.				
<b># 4</b> Draft Specifications for interlocking pavers	Conc Pvmt	6/15/2011	11/30/2011	82	60	Draft specification in 2010 format has been drafted. Work group comments are compiled.				
<b># 5</b>				0	0					
<b># 6</b>				0	0					
<b># 7</b>				0	0					
<b># 8</b>				0	0					

**Log** 8/5/11 - Updated status of project deliverables.

7/11/11 - deleted usage guide for list of deliverables.

7/1/11 - Held task group meeting to establish shedule revision. Dates updated in database.

5/3/11- Assumes usage guide will be developed by UCPRC through Environmental contract. If not, need 1 more year and 0.5 PY for Pavement to complete. There is a change of scope to prepare the draft seac (nSSP) and give it to Design to demo the project.

**Project Bond Breaker**

**Target Completion Date** 12/30/2012      **Number** 18      **Status** Active

**Task** Concrete      **Subtask** CIP Concrete Pavement  
**Progress** 40 %      **Rock Products Committee** YES

**Purpose** Investigate different alternatives available not to bond concrete pavement and LCB.

**Overall** Another project for constructing test sections is being sought. A potential project has been identified.

<b>Project Lead</b>	<b>Office</b>	<b>Concrete Pavement</b>	<b>Phone</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>	
Doran Glauz	Concrete Pavement	916-227-5436				
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
# 1 Develop Test Section Alternatives	Conc Pvmt	3/1/2011	6/30/2012	100	100	Constructed test section on Hwy 180 in Fresno. Looking for other project locations.
# 2 Draft Bond Breaker Spec	Conc Pvmt	5/1/2011	9/30/2011	86	100	Short term update to create bond breaker spec using already approved items. Specification sent to sub task group chair.
# 3 Finalize Bond Breaker Spec	Conc Pvmt	7/1/2011	12/30/2011	5	50	A draft specification for bond breaker is written. It is ready for sub task group review and comment.
# 4 Evaluate Test Section	Conc Pvmt	7/1/2011	6/30/2012	11	25	Data collected at first test section construction. A second potential project for test section has been identified.
# 5 Update Specifications with new products	Conc Pvmt	7/1/2012	12/30/2012	0	0	
# 6				0	0	
# 7				0	0	
# 8				0	0	

**Log** 6/20/11 - Several trial bond breakers were tested in trial slab placement by measuring the force to push panels horizontally. Four of the experimental bond breakers were selected for full scale construction by change order on a project in District 6. Project funding limits the ability to construct all the sections so only three of them will be built. Test section construction is scheduled to start the week of July 4, 2011.  
 5/27/11-status update  
 5/13/11-A workplan for long-term evaluation of bond breaker options has been submitted on 5/4/11 for internal office review. Initiating development of short term spec update for already approved products.  
 5/9/11- Delayed schedule due to lower priority relative to the Bin List items for Plain Language.

**Project Smoothness**

**Target Completion Date** 12/31/2014      **Number** 19      **Status** Active      **Task** Concrete      **Subtask** Smoothness      **Progress** 35 %      **Rock Products Committee** YES

**Purpose** Develop inertial profiler smoothness specifications and calibration test procedures for acceptance on concrete pavement. Develop Caltrans protocols for equipment and operator certification.

**Overall** On 8/23 meeting discussed the proposed change to lower the threshold with Industry. Three projects have been advertised with the nSSP. One more project plans to be add by addendum.

Project Lead	Robert Hogan	Office	Concrete Pavement	Phone	916-227-5840	E-FIS Project Number	E-FIS Subtask Number
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status	
# 1 nSSP for inertial profiler use on conc pvmnt	Conc Pvmnt	8/2/2010	5/31/2011	100	100	Met with HQ Const 4/11. Updated draft nSSP 4/27.	
# 2 nSSP for inertial profiler use on conc grinding	Conc Pvmnt	4/1/2011	5/31/2011	100	100	Developed edits within existing nSSP.	
# 3 Pilot nSSP on 2011 construction projects	Conc Pvmnt	5/2/2011	11/2/2012	50	25	Some potential pilot projects identified (see log).	
# 4 Develop smoothness acceptance values	Conc Pvmnt	5/2/2011	2/3/2012	40	55	Researching other DOTs. Teleconf with Ohio DOT 5/31/11.	
# 5 Equip & operator certification procedure	Conc Pvmnt	8/1/2011	6/1/2012	5	20	Work with METS & UCPRC	
# 6 Draft SSP for IRI smoothness acceptance	Conc Pvmnt	11/1/2011	3/2/2012	0	0	Get ready for 2012 const season	
# 7 Develop guidance/CPD/training (incl ProVal)	Conc Pvmnt	1/2/2012	6/1/2012	0	0	Need for nSSP & SSP	
# 8 Ongoing monitoring and evaluation	Conc Pvmnt	11/4/2011	12/31/2014	0	0	Not begun	

**Log** 9-13-11- verified 3 projects using nSSP (see below)

Updated nSSP to allow substitution of inertial profiler for profilograph if contractor requests. Reviewing construction comments.

Researching potential pilot projects. Not contacting districts until decision reached on profilograph threshold.

7/7/11- status update-MP

6/22/11-Did not receive any comments by 5/20/11 deadline. Discussed in 6/9/11 STG meeting. Industry provided verbal comments on certification and repeatability testing.

6/9/11- Comments by Caltrans were addressed. Another draft is sent to Industry for comments and discussion on 6/9/11 meeting.

5/31/11-Teleconference with Ohio DOT about history of their transition from PI to IRI and lessons learned.

5/27/11-status update. Updated draft nSSP based on comments received.

5/13/11-A new draft nSSP to use inertial profilers in conjunction with profilograph was developed 4/27/11. The draft was discussed in 5/12/11 meeting. Comments were due 5/20/11.

CT Pavement and Construction met 4/11/11. Updated draft nSSP to tighten references to AASHTO and TxDOT standards. Researched TTI certification and profiler equipment and operator availability.

Potential pilot projects: I-5 lane replacement, Rte 60, 07-LA-710 (precast), 10-STA-99, 03-Sac-80 HOV

First meeting with new joint AC/conc smoothness TG 3/1/11. Follow up webconf & subsequent conc industry teleconf 3/16/11. Next TG meeting not yet scheduled.

3/30/11- Two meeting (one on 3/1 in Translab and the other one on 3/16 teleconference) have been held by Peter Vacura to discuss smoothnes issue jointly for asphalt and concrete pavments. A decision is made to measure IRI in addition to PI for upcoming projects in order analyze correlation, set acceptance criteria, and plan the transition. A "shadow spec" is prepared and sent out to construction for comments. Meeting scheduled for 4/11 to discuss the spec internally before sending it out for review.

Potential Projects with nSSP for side by side comparison with profilometer

02-Sis-5 PM 51.2/58.1      EA 3E760      CRCP reconstruction (modified nSSP in CRCP spec with incentive/disincentive clause) 03-S

03-Sac-80 PM 0/10 EA 3797U4 replace/widening/grind existing (nSSP not incl)  
 06-Ker-99 PM R28.4/43.9 EA 0L640 lane replace/grind existing (nSSP (PE will add by addendum)  
 07-LA-5 PM 73.7/R88.6 EA 25280 JPCP lane replace/grind existing (nSSP not incl)  
 07-LA-60 PM 11.6/R23.6 EA 28690 JPCP RSC lane replacement (nSSP incl)  
 10-Sta-99 PM 00/R24.8 EA 0M800 JPCP RSC lane replace/grind existing (nSSP incl)  
 10-SJ-5 PM 5.3/28/5 EA 0M780 CRCP recoreconstruction (status unknown)

**Project Update Construction Manual**

<b>Task</b>	Concrete	<b>Subtask</b>	Concrete Materials/QA
<b>Target Completion Date</b>	7/1/2012	<b>Number</b>	20
<b>Status</b>	Active	<b>Progress</b>	10 %
<b>Subtask</b>	Rock Products Committee		YES

**Purpose** Update Construction Manual to conform to changes made to Sections 6, 9, 11, 40, 49, 51, 53, 72, 73, 83, and 90 of the 2010 Standard Specifications.

**Overall** Subject matter experts creating workplans and drafts for section 4 subsections.

<b>Project Lead</b>	Austin Perez	<b>Office</b>	HQ Construction	<b>Phone</b>	(916) 227-5705	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>	
<b>Deliverable or Task</b>		Office	Start Date	End Date	Complete %	Elapsed %		Status	
<b># 1</b>	Revise Sec 6 & 9 of Chapter 3 General Provisions	HQ Constr	12/1/2010	7/1/2012	5	50	Discussed in subtask group meeting		
<b># 2</b>	Revise Chapter 4 Construction Details	HQ Constr	12/1/2010	7/1/2012	15	50	Discussed in subtask group meeting		
<b># 3</b>	Revise Chapter 6 sampling and testing	HQ Constr	12/1/2010	7/1/2012	5	50	Discussed in subtask group meeting		
<b># 4</b>					0	0			
<b># 5</b>					0	0			
<b># 6</b>					0	0			
<b># 7</b>					0	0			
<b># 8</b>					0	0			

**Log** Priority swapped with performance based QC/QA specs based on discussion in task group meeting. Additionally the substantive work can only begin once the new specification is available.

**Project Cement Treated Subbase (CTS)**

**Target Completion Date** 1/20/2012      **Number** 2      **Status** Active

**Task** Foundation      **Subtask** Treated Soils and Bases  
**Progress** 65 %      **Rock Products Committee** YES

**Purpose** Provide soil treatment as an alternative to bases.

**Overall** STG agrees draft can be circulated to districts. Draft consolidated CTS design guide was updated from Pavements staff comments. Discussion with David Jones (UCD) and Rich Haro (Industry) is needed before circulation (not scheduled due to avail.)

Project Lead	Office	Concrete Pavement and Foundations	Phone	E-FIS Project Number		E-FIS Subtask Number
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1 Test Method review	Materials	6/1/2010	3/31/2011	100	100	ASTM methods will be used to determine cement content. Procedure will be in design guidance (no CT). Decision to use CT 216 for field verification.
# 2 Draft SSP to submit to FTG/Districts	Conc Pvmt	7/22/2009	9/23/2011	100	100	
# 3 Soil Stabilization Guide	UCPRC	6/1/2010	12/30/2011	60	85	Delayed from 10/30.
# 4 Design Guide for CTS	Conc Pvmt	9/1/2011	12/9/2011	40	25	Need discussion with Rich Haro (industry) and David Jones (UCD).
# 5 FTG/Dist Review/Resolve comments	Conc Pvmt	9/23/2011	12/9/2011	0	5	Comments due 10-21-11.
# 6 SSP published by OE	Conc Pvmt	12/9/2011	1/20/2012	0	0	
# 7				0	0	
# 8				0	0	

**Log** 7/22/2009: Meeting held at TL. Draft specification based on Lime specification was produced.  
 12/10/2009: Meeting held at TL. Comments were reviewed and decided to finalize test method.  
 4/23/2010: Draft was send out for comments.  
 6/24/2010: Comments were addressed and a draft was send out for comments.  
 6/31/2010: UCPRC to provide draft (ver 2.0) guide for our review by the end of mid October.  
 9/28/2010: Meeting was held with Rock Product subcommittee including UCPRC and decided to use existing ASTM D 1633 with modification to use ASTM D1557 for fabrication of test specimen for mix design. Also, use ASTM D 1557 for compaction quality test during construction.  
 3/1/11: Awaiting UCPRC draft report.-pdb  
 3/11/11: At FDR-FA meeeting on 3-8-11, David Jones said report has been delivered from Cal Poly and Chico and he is editing. He will pass on to Paul when completed.-pdb  
 4/4/11: Updated dates.-pdb  
 4/26/11: Updated Overall Progress on Project Data tab.--pdb  
 5/4/11: Updated deliverables status per 4-27 meeting. Updated Overall Progress.--pdb  
 6/23/11: Updated Overall Progress and Deliverables Status.--pdb  
 8/26/11: Updated Overall Progress and Deliverables Status. Outstanding issuee: See below-- pdb  
 9/1/11: Issue resolution:  
 Q: Is it feasible to test for UCS for the end-product? A: Not at this time--too resource intensive. Intent is to parallel lime stabilization (i.e. compaction testing).  
 Q: Do Districts want responsibilty for mix design -- or do we treat like FDR-FA? A: Intent is to parallel lime stabilization (i.e., districts determine cement content).  
 Q: Handling payment for ordered increases in cement? A: Keep same as lime. Possible dispute resolution item.  
 Q: Do we use the term "subgrade" or "basement material"? A: Consensus not reached. CT co-chair believes "basement material" is appropriate because Standard Specs defines it. Others don't believe that carries much weight. Currently left as "basement material."

**Project Full Depth Reclamation Using Foamed Asphalt**

**Task** Foundation **Subtask** Treated Soils and Bases  
**Target Completion Date** 1/21/2012 **Number** 3 **Status** Active **Progress** 80 % **Rock Products Committee** YES

**Purpose** Develop design/construction Guidelines or Test Methods/Laboratory Procedures to facilitate implementation of FDR-FA in Caltrans projects.

**Overall** Next meeting Sept. 28 to discuss comments generated at last meeting and de-brief the Mod-299 project.

Project Lead	Paul Burdick	Office	Office of Pavement Engineering		Phone	916 227 5441	E-FIS Project Number		E-FIS Subtask Number	
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status				
# 1 Test Method	Materials	7/1/2008	1/21/2012	75	90	METS reformatted and submitted back to Pavements.				
# 2 Report and Guideline Recommendations	UCPRC	7/1/2008	3/30/2011	100	100					
# 3 Final Guidelines	Conc Pvmt	12/15/2010	11/30/2011	50	80	Robert Hogan working on new draft by Sept. 30. Final Guidelines delayed to 11/30 due to mix design resp. change to contractor.				
# 4 Draft SSP to FTG/Districts	Conc Pvmt	3/8/2011	11/9/2011	75	80	Debrief Contractor at 9-28 meeting and resolve comments. Moved end date to 11/30/2011 because added changes need to be reviewed.				
# 5 FTG/Dist Review/Resolve comments	Conc Pvmt	11/9/2011	12/9/2011	0	0					
# 6 SSP published by OE	Conc Pvmt	12/9/2011	1/20/2012	0	0					
# 7				0	0					
# 8				0	0					

**Log** 6/2009: SSP is Completed

8/31/2010: Waiting for final UCPRC guide which is a part of \$1.8 m contract that ended on 6/30/2008. Reviewing UCPRC mix-design and testing method for D-02, SR 299 project. Observed field samplings and onsite testings (FWD and DCP) conducted by UCPRC. UCPRC will inform when performing lab-tests on pulverised samples.  
 9/28/2010: Meeting with UCPRC pertaining to the comments on UCPRC-guidelines. Once UCPRC-guidelines is finalized, Caltrans version based on the UCPRC-guidelines will be developed.  
 12/30/2010: Received final Guideline document in word format from UCPRC. Development of document-structure for Caltrans version is started.-pdb  
 3/1/11: Subtaskgroup meeting held on 2-15-11. Drafts submitted for review/comments. Next meeting on 3-8-11.-pdb  
 3-11-11: Subtaskgroup meeting held on 3-8-11. Cancelled SSP for CFIPR reviewed for revisions. Next meeting on 4-13-11.-pdb  
 4/4/11: Updated lead info and Test Method target date.-pdb  
 4/11/11: Updates.-pdb  
 4/26/11: Updated Project Deliverable Status.-pdb  
 5/4/11: Updated Overall Progress and deliverable status.--pdb  
 5/24/11: Updated Overall Progress and deliverable status.--pdb  
 6/23/11: Updated Overall Progress and Deliverable status.--pdb  
 8/26/11: Updated Overall Progress and Deliverable status. Comments generated at 8-10 meeting include: Mention asphalt price index fluctuation in instructions; location of coring; purpose of test strip vis a vis equipment's speed; guideline for format and preparation of QC plan; minimum requirements for QC system; turn-around time for qc reporting requirements; specifying test strip is first construction activity; spreading equipment must have electronic grade control system; pulverize whole lane width in one pass; spec to maintain surface; keep sheepsfoot within 100 feet of pulverizer; vibrator off in final pass of steel drum roller; compaction can be average of elevations (E1, E2, etc.) with an allowable deviation; disallow raveling of aggregate; --pdb  
 9/20/11: STG meeting delayed to 9-28 to de-brief Mod-299 project.--pdb

**Project Pulverization**

**Target Completion Date** 10/31/2012      **Number** 4      **Status** Active      **Task** Foundation      **Subtask** Treated Soils and Bases  
**Progress** 40 %      **Rock Products Committee** YES

**Purpose** Develop a standard special provision (SSP) for pulverized flexible pavement. Update existing guidance to include additives (cementitious material and lime). Create test procedures.

**Overall** Piloting nSSP in projects this summer (02-SIS-161-4.5/7.0 3E0404 Awd: 6-9-11); 02-PLU, LAS 147; PM 9.1/9.9,0.0/0.5, 1.1/1.8 3E0504 Awd: 5-5-11; 01-HUM-96; PM 0.62 459404 Awd: 12-10 weather) Meeting was held on May 24.

Project Lead	Robert Hogan	Office	Concrete Pavement	Phone	916 227 5441	E-FIS Project Number		E-FIS Subtask Number	
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status			
# 1 RPC Scoping Doc	Conc Pvmt	1/5/2011	1/31/2011	100	100	No comments. Scoping doc updated.			
# 2 NSSP/Pilot Projects	Conc Pvmt	1/5/2011	5/31/2012	50	50	NSSP is being piloted on multiple projects. Will meet with project personnel during winter to discuss spec and lessons learned.			
# 3 Pulverization Guide Update	Conc Pvmt	2/1/2011	10/31/2012	25	0	Preliminary draft done. Update on hold until FDR-FA is complete. May combine in future in lieu of individual guides.			
# 4 SSP to FTG	Conc Pvmt	7/1/2012	10/31/2012	0	0	Continue developing and hold for pilots.			
# 5 SSP published by OE	Conc Pvmt	7/31/2012	10/31/2012	0	0	Hold until pilots are evaluated.			
# 6				0	0				
# 7				0	0				
# 8				0	0				

**Log** 8/31/2010: D-20 nSSP is under consideration to develop as SSP.  
12/30/2010: Handed all information to Robert Hogan. Workplan to be updated by Robert.  
1/4/11: Workplan updated. Need industry co-chair identified.  
2/15/11: Subtaskgroup meeting held. Drafts distributed for review/comment. Next meeting 3/8/11.-pdb  
3/11/11: Pulverization was not discussed at subtaskgroup meeting on 3/8 in deference to FDR-FA. Next meeting 4/13/11.-pdb  
3/14/11: Office meeting to discuss FDR. Cold foam SSP is priority and task group will not have resources to complete both FDR projects in parallel.-pdb  
4/4/11: Updated lead info.-pdb  
4/11/11: Updates.-pdb  
4-26-11: Updated Overall Progress in Project Data tab.-pdb  
5/4/11: Changed name to Full Depth Reclamation Using Cement. Also updated Overall Progress.--pdb

**Project Concrete Base**

**Target Completion Date** 6/1/2012      **Number** 5      **Status** Active      **Task** Foundation      **Subtask** Treated Soils and Bases      **Progress** 0 %      **Rock Products Committee** YES

**Purpose** Move concrete base from section 40 (Concrete Pavement) to section 28 and update. Concrete base is being used in locations of crack, seat, and overlay widening or base reconstruction and for replacing base under slabs when identical material is required.

**Overall** STG comments received and logged.

<b>Project Lead</b>	<b>Office</b>	<b>Concrete Pavement</b>	<b>Phone</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>	
Paul Burdick			227-5441			
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
# 1 Submit draft specification for STG review	Conc Pvmt	7/20/2011	9/1/2011	100	100	Draft submitted 8-2-11. Comments due 9-1-11.
# 2 Resolve STG Comments	Conc Pvmt	9/1/2011	10/31/2011	10	45	Comments received and logged. Resolve by 10/31.
# 3 Submit for general review	Conc Pvmt	11/1/2011	12/31/2011	0	0	
# 4 Resolve general review comments	Conc Pvmt	1/1/2012	3/1/2012	0	0	
# 5 Submit for TG concurrence	Conc Pvmt	3/1/2012	4/1/2012	0	0	
# 6 Finalize and publish	Conc Pvmt	4/1/2012	6/1/2012	0	0	
# 7				0	0	
# 8				0	0	

**Log** 4-26-11: Initial input. Limited info without scoping doc.-pdb  
 9/20/11: 6 Comments received. Significant comments include:  
 1. The amount of cementitious material seems excessive for a treated base.  
 2. Not clear when to use volumetric proportioning.  
 3. I have concerns that this emulsion will not provide adequate performance as a bond breaker.  
 4. Base is not evaluated by modulus of rupture; rather, by compressive strength.  
 5. These strengths seem excessive for a concrete base.  
 6. Define modulus of rupture test method.  
 --pdb

**Project Rapid Setting Lean Concrete Base**

**Target Completion Date** 6/1/2012      **Number** 6      **Status** Active

**Task** Foundation

**Subtask** Treated Soils and Bases  
**Rock Products Committee** YES

**Progress** 0 %

**Purpose** Provide specifications for use of rapid setting lean concrete base.

**Overall** STG comments received and logged.

<b>Project Lead</b>	<b>Office</b>	<b>Concrete Pavement</b>	<b>Phone</b>	<b>227-5441</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
# 1 Submit draft specification for STG review	Conc Pvmt	7/20/2011	9/1/2011	100	100	
# 2 Resolve STG Comments	Conc Pvmt	9/1/2011	10/31/2011	10	45	Comments documented. Resolve by 10/31.
# 3 Submit for general review	Conc Pvmt	11/1/2011	12/31/2011	0	0	
# 4 Resolve general review comments	Conc Pvmt	1/1/2012	3/1/2012	0	0	
# 5 Submit to TG for concurrence	Conc Pvmt	3/1/2012	4/1/2012	0	0	
# 6 Finalize and Publish Spec	Conc Pvmt	4/1/2012	6/1/2012	0	0	
# 7				0	0	
# 8				0	0	

**Log** 4-26-11: Initial input. Limited info without scoping doc.-pdb  
 8/26/11: Updated Project Data and Project Deliverables.--pdb  
 9/1/11: 16 comments received. Significant comments received:  
 1. Is there any guidance document to be used with these specifications?  
 2. CT 540 is not practical because LCBRS hardens before specimens can be "rodded."  
 3. Performing testing every 130 CY of LCBRS is excessive.  
 4. 4,000 psi penetration resistance seems excessive for LCB  
 5. Compressive strength of 725 psi at opening age is too high. Based on published data, 500 psi will be adequate.  
 6. By referring to ASTM C 685, 28 paragraphs for volumetric proportioning can be deleted.  
 --pdb

**Project Geogrid**

**Target Completion Date** 12/31/2012      **Number** 7      **Status** Active      **Task** Foundation      **Subtask** Geosynthetics      **Progress** 5 %      **Rock Products Committee** YES

**Purpose** Develop specifications, test methods, and guidance for the design and construction of geogrid reinforced AB. New specifications will facilitate to implement geogrid in the Caltrans projects.

**Overall** Compiled 4 manufacturers submitted data sheets for comparison. Compiled other DOTs specifications. Received pavement design guidance for each product Aug. 8

<b>Project Lead</b>	Deepak Maskey	<b>Office</b>	Concrete Pavement and Foundations		<b>Phone</b>	916 227 5442	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>	
<b>Deliverable or Task</b>	Office	Start Date	End Date	Complete %	Elapsed %	Status				
<b># 1</b> Specifications	Conc Pvmt	7/1/2011	12/31/2012	5	15	Compiling product specs/indicies from manufacturere's.				
<b># 2</b> Test Method	Mets	7/1/2011	12/31/2012	5	15	Under development.				
<b># 3</b> Guidelines	Conc Pvmt	7/1/2011	12/31/2012	3	15	Reviewing AASHTO and FHWA design guidelines. Manufacturer's submittals due 8-8-11.				
<b># 4</b>				0	0					
<b># 5</b>				0	0					
<b># 6</b>				0	0					
<b># 7</b>				0	0					
<b># 8</b>				0	0					

**Log** 8/31/2010: Excluded for year 2010-2011

12/30/2010: Osama is provided with old scoping document and format for current work plan to prepare work plan

1/4/2011 Osama provided a draft work plan to Deepak.

4/4/11: Updated lead info.-pdb

4/5/11: Geosynthetics Subtask Group Meeting on geogrid. Decided to send geogrid manufacturer's data sheet to sub task group. Also decided to review other DOT's specifications. For comparison, geogrid data will be compiled and distributed to all members.

4-26-11: Updated Overall Progress on Project Data tab.-pdb

5/31/2011: Waiting comments from members on updated draft work plan. DM

6/11/2011:Submitted Work Plan to Foundation Task Group for approval. Called review meeting on July 18, 2011. Meeting Agenda, and comparative specification chart were sent to the team members.

7/20/2011: Start up meeting concluded with a decision to submit product specific pavement design guides and other pertaining documents by August 8, 2011

8/29/2011: Received manufacturer's design guidance. Review on progress.

9/19/2011: Received design approach from gogrid manufacturer. Waiting information on Grafactor concept for pavement design. Review of ME design concept from Manufacturer. Review of FHWA guidelines and recommendations on use of geogrid in pavement.

**Project Cold In-Place Recycling**

**Target Completion Date** 9/1/2012      **Number** 3      **Status** Active      **Task** Preservation      **Subtask** Recycling      **Progress** 10 %      **Rock Products Committee** YES

**Purpose** Evaluate existing pilot projects and develop standardized lab procedures for mix design, project design and construction guidance, and standard specifications for CIR.

**Overall** Sub Task Group met on May 13, 2011 to begin review and update of work plan. The Group has met two more times to address; Specification, Mix design, smoothness, Project Selection, Addition of Cement, and Cores vs. Milling issues. Cal Poly is on board.

<b>Project Lead</b>	<b>Hamid Moussavi</b>	<b>Office</b>	<b>Asphalt Pavement</b>	<b>Phone</b>	<b>916-274-6176</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>
<b>Deliverable or Task</b>		<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
<b># 1</b> Evaluate existing pilot projects		Other	8/26/2012	11/1/2011	0	0	
<b># 2</b> Develop standard special provisions		Engr	1/1/2012	9/1/2012	50	0	
<b># 3</b> Standardize test methods/ lab procedures		Mets	9/1/2011	9/1/2012	0	5	
<b># 4</b> Develop guidelines/ MTAG update		Chico	1/1/2012	7/1/2012	0	0	
<b># 5</b> Evaluate existing pilot projects in Southern region, Cal Poly Pomona		Cal Poly Po.	9/1/2011	9/1/2012	0	5	
<b># 6</b>					0	0	
<b># 7</b>					0	0	
<b># 8</b>					0	0	

**Log** 7/29/2010 Approximately 7 projects have been done and 3 more upcoming.  
 Total of 22 projects were selected and planned for summer of 2011 construction (some still in construction).  
 7/8/2011 Sub Task Group met and discussed some spec related issues.  
 8/26/2011 Cal Poly Pomona Recycling Center will monitor some Southern region projects to improve existing nSSP and project selection.  
 9/6/2011 The following projects are under evaluation by Cal Poly Pomona:  
 08-0P3504, SBD-95 PM 33.6/37.3 & 47.6/56.1  
 08-0P3604, SBD-62 PM 106.0/122.0  
 09-347304, INYO-136 PM 10.0/12.5 & INYO-168 PM 18.3/20.4  
 06-415904, KING-41 PM 11.6/20.0  
 06-459104, KERN 119 PM 0.0/4.3  
 06-0M4504, KERN 33 PM 68.8/73.7  
 9/9/2011 Sub Task Group met and discussed issues with the most recent projects and continued discussions on how to improve specs.

**Project Fog Seal**

**Target Completion Date** 12/1/2013      **Number** 4      **Status** Active  
**Purpose** Investigating Fog Seal/Rejuvenator materials for skid resistance issues and introducing as a strategy again  
**Overall** Reviewing test data to revise specification language.

**Task** Preservation      **Subtask** Seals & Coats  
**Progress** 70 %      **Rock Products Committee** YES

<b>Project Lead</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>	<b>Status</b>
Douglas Mason	Pavement Management					916-274-6058		
<b># 1</b>	Asphalt	11/1/2005	5/4/2007	100	100	Completed. 5/4/07		
<b># 2</b>	Chico	6/1/2007	10/1/2011	90	100	Final report on test sections from CP2C due 10/1/11		
<b># 3</b>	Asphalt	9/1/2008	4/1/2010	100	100	Completed MTAG update for State Forces 4/10/10		
<b># 4</b>	Asphalt	10/1/2011	1/2/2012	40	0	Awaiting report on test sections to finalize NSSP.		
<b># 5</b>	Asphalt	1/2/2012	10/1/2012	10	0			
<b># 6</b>	Asphalt	12/1/2012	2/1/2013	0	0			
<b># 7</b>	Asphalt	3/1/2013	12/1/2013	0	0			
<b># 8</b>				0	0			

**Log** 4 sets of test section have been done.  
The subtask group needs to draft their proposed specification  
1/13/11, Irouen update targets and Pys  
2/14/11, Update target dates and task definitions, PJV  
4/25/11 - Status Update, SR  
5/6/11-Updated Status and Tasks definitions, held last Fog Seal Meeting 5/5/11, DM  
6/24/11-Updated Status and next General Meeting of Seal Coat Committee is 7/7/11, DM  
9/6/11-Cores for testing were delivered to APART on 7/8/11, DM  
Location of Test Sites:  
Kern 58 PM 123.3 to 125.1 Eastbound #2 Lane -District 9  
Men 128 Pm 25.0 to 28.0 Eastbound Lane- District 1  
Modoc 395 PM 23.3 to 25.0 Northbound Lane -District 2  
Inyo 395 118.47 to 120.58 Northbound #2 Lane - District 9

**Project Rubberized Slurry Seal**

**Target Completion Date** 12/30/2013      **Number** 5      **Status** Active      **Task** Preservation      **Subtask**      **Specifications**  
**Progress** 25 %      **Rock Products Committee** YES

**Purpose** Develop a nSSP for Rubberized Slurry Seal, evaluate performance and determine if strategy is beneficial for use on projects.

**Overall** District-11 pilot project constructed and being evaluated. District 6 test section to be constructed 9/20/11. Industry has submitted revised NSSP.

<b>Project Lead</b>	Douglas Mason	<b>Office</b>	Pavement Management		<b>Phone</b>	916-227-6058	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>	
<b>Deliverable or Task</b>	Office	Start Date	End Date	Complete %	Elapsed %	Status				
<b># 1</b> Create NSSP	Asphalt	6/1/2009	12/31/2011	50	90	Was completed but revising to include terminal blend slurry seals. Industry has submitted revised NSSP.				
<b># 2</b> Construct D-11 Test Section	District	2/15/2011	7/29/2011	100	100	Completed				
<b># 3</b> Evaluation of D11 project site	Chico	8/1/2011	8/1/2013	25	10					
<b># 4</b> Construct D6 Test Section	District	7/1/2011	12/1/2011	10	60	Construction estimates scheduling test section on 9/9/11				
<b># 5</b> Evaluation of D6 project site	Chico	8/1/2011	8/1/2013	0	10	Need to include D6 location in CP2 evaluation.				
<b># 6</b> SSP	Asphalt	1/1/2012	12/30/2012	0	0					
<b># 7</b> MTAG Guidelines	Chico	1/1/2012	12/30/2013	0	0					
<b># 8</b>				0	0					

**Log** 9-1-2010, two REAS project are expected to be done this year, 11-277804 and 07-4Y3204. Need to plan projects for other methods.

5/13/11 - Updated Status, PJV

6/24/11-Updated Status and held focused rubberized slurry seal meeting 6/17/11, next General Meeting of Seal Coat Committee is set for 7/7/11, DM

7/6/11-Test Site Location D11 - EA 11-277804, EFIS 11-00000288

In San Diego County at Rincon, Lake Henshaw and Morettis from Valley Center Road to Route 79.

11-SD-76-PM 32.9/52.3

Test Site Location D6 - EA 06-0J4904, EFIS 06-00000184

IN KERN AND KINGS COUNTIES ABOUT 6 MILES SOUTH OF KETTLEMAN CITY FROM ROUTE 46/5 SEPARATION TO 2.9 MILES NORTH OF WATERLOO AVENUE

06-Ker/Kin-05-73.0/87.0,0.0/10.0 (Project location was modified, test sections will be the first mile and last mile of the project)

9/6/11-Held focused rubberized slurry seal meeting 8/10/11. Will start 1st draft of a performance NSSP using REAS and terminal blend slurry seals. Target date for 1st Draft for committee members was 9/7/11. Next meeting will be mid to late September. DM

9/21/11- Revised workplan. Updated progress of industry has submitted revised NSSP for subcommittee to review. DM

**Project Modified Binder Chip Seal (PM/TR)**

**Target Completion Date** 1/1/2012      **Number** 6      **Status** Active

**Task** Preservation

**Subtask**

Specifications

**Progress** 30 %

**Rock Products Committee** YES

**Purpose** Improve and expand the polymer modified chip seal spec to include terminal blend rubber

**Overall** Sub Task Group to evaluate and update work plan.

**Project Lead** Douglas Mason      **Office** Pavement Management      **Phone** 916-274-6058

**E-FIS Project Number**

**E-FIS Subtask Number**

<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
# 1 Develop NSSP	Asphalt	12/1/2008	12/1/2010	100	100	Done
# 2 Evaluation Report	Chico	10/1/2010	1/1/2012	20	80	
# 3 Complete final SSP	Asphalt	7/1/2011	1/1/2012	25	50	Under Development
# 4 Update Guidelines	Chico	3/1/2011	1/1/2012	0	70	
# 5				0	0	
# 6				0	0	
# 7				0	0	
# 8				0	0	

**Log** Test section have been completed in district 11.

- NSSP is currently in use.
- 1/13/11, Irouen, updated Pys
- 2/9/11, Added nSSP deliverable
- 5/6/11, Modified order of deliverables, DM
- 6/25/11, Next General Meeting of Seal Coat Committe is set for 7/7/11, DM
- 9/6/11, General Meeting held 7/7/11. Modified order of deliverables based on committee comments, DM
- 9/21/11, Modified Project Name to Modified Binder Chip Seal. DM

**Project Scrub Seal**

**Target Completion Date** 9/3/2013      **Number** 7      **Status** Active

**Task** Preservation

**Subtask** Seals & Coats

**Progress** 5 %

**Rock Products Committee** YES

**Purpose** Develop specifications to use scrub seal as a preservation method.

**Overall** Draft NSSP to be reviewed by Caltrans.

**Project Lead** Douglas Mason      **Office** Pavement Management      **Phone** 916-274-6058

**E-FIS Project Number**

**E-FIS Subtask Number**

<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
<b># 1</b> NSSP/Update Workplan	Asphalt	6/1/2009	12/31/2011	25	90	
<b># 2</b> Evaluation of previous Test Section- Rte 178 in District 9	Chico	6/1/2011	12/31/2011	0	55	
<b># 3</b> Identify, fund and construct test sections in Coastal, Valley, Mountain, Desert	District	6/1/2011	9/1/2012	0	25	
<b># 4</b> Evaluation	Chico	9/2/2012	9/3/2013	0	0	
<b># 5</b> Update MTAG	Chico	9/1/2013	3/31/2013	0	0	
<b># 6</b> Develop and Finalize SSP	Asphalt	9/1/2012	4/1/2013	0	0	
<b># 7</b>				0	0	
<b># 8</b>				0	0	

**Log** 5/13/2011 - Updated Status, PJV  
 6/27/2011- Updated Status, focused Scrub Seal meeting held 6/22/11 and next General Meeting of Seal Coat Committte is set for 7/7/11, DM  
 Location of Scrub Seal Site with Styraflex and PASS:  
 SBD 178 PM 4.0 to 10.0

**Project Warm Mix Asphalt Rubber Chip Seal**

**Target Completion Date** 12/1/2012      **Number** 8      **Status** Active

**Task** Preservation

**Subtask**

Seals & Coats

**Progress** 50 %

**Rock Products Committee** YES

**Purpose** Introduce WMA technology into asphalt rubber chip seal strategies.

**Overall** Project selected in District-7 on Ven 150. Placed and evaluated by Chico State.

**Project Lead** Douglas Mason      **Office** Pavement Management      **Phone** 916-274-6058      **E-FIS Project Number**      **E-FIS Subtask Number**

<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
# 1 Nssp	Asphalt	8/3/2010	5/1/2011	100	100	Done
# 2 Test Projects	District	7/1/2011	9/30/2011	100	100	Selected 07-Ven-150.
# 3 Evaluation of Project	Chico	7/1/2011	9/30/2012	25	20	Chico performed evaluatoin during placement
# 4 Evaluation Report	Chico	7/1/2011	12/1/2012	0	15	Initial evaluation report to be submitted by 10-15-11
# 5				0	0	
# 6				0	0	
# 7				0	0	
# 8				0	0	

**Log** 8/3/10-nssp just being developed for possilbe CT demo project in D6, Fresno Rte 5.  
 1/11/11, Irouen, revised Pys and target dates.  
 2/14/11, Rewrite purpose and need, PJV  
 6/25/11-Next General Meeting of Seal Coat Committe is set for 7/7/11, DM

**Project Joint Sealing**

**Target Completion Date** 8/30/2012      **Number** 9      **Status** Active

**Task** Preservation      **Subtask** Concrete Repairs  
**Progress** 30 %      **Rock Products Committee** YES

**Purpose** Assure that the state funds are used in the most efficient manner possible over the life of the pavement.

**Overall** 9/19/2011 meeting, F Bautista will provide the finalized report by end of October/2011.  
 The industry were informed that Caltrans can not commit any testing or monitoring resources beyond the annual automated condition survey.

Project Lead	Osama Abdulshafi	Office	Concrete Pavement	Phone	916-227-5843	E-FIS Project Number	E-FIS Subtask Number
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status	
# 1 Caltrans Joint Seal Practice Report	Conc Pvmt	7/1/2010	11/1/2011	90	95	Report is being revised by Flor and he will provide updated draft by end of October.	
# 2 Build test Section for 3/16", 1/4", 3/8" joints with seal, 1/8" no seal	Industry	3/1/2011	4/30/2012	40	50	The industry need to consider if they will be able to support the testing and monitoring of the test section. If not, we may not build a test section.	
# 3 Update Std Plans, Specs, and Manuals for joints	Conc Pvmt	9/1/2011	8/30/2012	15	5	copy of Std Plans, Specs, and Manuals for joints from Caltrans and other leading states were collected. Target date for draft of: 1. St. Plans 4/1/2012 2. Specs 6/1/2012 and 3. Manuals 8/1/2012.	
# 4				0	0		
# 5				0	0		
# 6				0	0		
# 7				0	0		
# 8				0	0		

**Log** 03-23-11, Irouen. Updated deliverables and dates.  
 04-08-11, fbautista. Teleconference was held to discuss test section work plan developed by Industry. Industry to expect comments and incorporate them in the work plan.  
 06-02-11, fbautista. Teleconference was held and discussed the following: what is to be accomplished in 9-month period, review of the test section evaluation work plan developed by Industry.  
 6/22/11 - Finalize the draft Caltrans joint sealing practice report to be circulated for review on August 1, 2011  
 7/20-2011- OA provided project work plan and requested comments from the industry .  
 8/30/2011- Waiting for Fbautista to finalize the draft Caltrans joint sealing practice report.  
 9/19/2011 F Bautista will provide the finalized report by end of October/2011.  
 9/19/2011 The industry were informed that Caltrans can not commit any testing or monitoring resources beyond the annual automated condition survey.

**Project Partial Depth Concrete (Spall) Repair**

**Target Completion Date** 5/25/2012      **Number** 10      **Status** Active

**Task** Preservation

**Subtask** Concrete Repairs

**Progress** 5 %

**Rock Products Committee** YES

**Purpose** Standard plans and specifications for partial depth (spall) repair.

**Overall** Scoping document has been drafted. Under subtask group review.

<b>Project Lead</b>	<b>Office</b>	<b>Concrete Pavement</b>	<b>Phone</b>	<b>916-227-5436</b>	<b>E-FIS Project Number</b>	<b>E-FIS Subtask Number</b>
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
<b># 1</b> Create a scoping document	Conc Pvmt	7/1/2011	8/1/2011	100	100	Final draft of scoping doc written.
<b># 2</b> Create a workplan	Conc Pvmt	8/31/2011	11/25/2011	5	30	Work on workplan has begun.
<b># 3</b> Determine critical performance factors for patching material	Conc Pvmt	10/15/2011	2/15/2012	0	0	
<b># 4</b> Standard plans for spall repair	Conc Pvmt	10/17/2011	4/18/2012	0	0	
<b># 5</b> Create SSP for pavement spall repair	Conc Pvmt	11/16/2011	5/16/2012	0	0	
<b># 6</b> Update spall repair chapter - MTAG	Chico	1/19/2012	5/25/2012	0	0	
<b># 7</b>				0	0	
<b># 8</b>				0	0	

**Log** 7/11/11 - updated status re-ordering deliverables page, completion dates and weights.  
 6/22/11 - discussed item at subtask group meeting. Existence of scoping doc is unknown. Update project deliverables.  
 1/13/11, Irouen, updated targets and pys  
 2-28-11, verified pys. Lrouen

**Project Full Depth Concrete Repair (Slab Replacement)**

**Target Completion Date** 1/27/2012      **Number** 11      **Status** Active

**Task** Preservation      **Subtask** Concrete Repairs  
**Progress** 70 %      **Rock Products Committee** YES

**Purpose** Provide consistency in the specifications and plans used throughout the State.

**Overall** 9/23 Draft nSSP Only 1 comment received from Chico on 9/21. For RUB and DBDR received comment from HQ Construction. Comment response being prepared. APTEC work on commented guidance final end 10/11. 9/27 PAVIA Sent revised WebCourse.

Project Lead	Office	Concrete Pavement	Phone	E-FIS Project Number	E-FIS Subtask Number	
Cornelis Hakim	Concrete Pavement	916-227-5436				
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1 Create interim nSSP	Conc Pvmt	3/1/2011	5/1/2011	100	100	Available for district use.
# 2 Update slab replace guidelines	Conc Pvmt	12/15/2010	10/30/2011	80	90	Guidelines sent back consultant and being incorporated into Web Course. Anticipate finish at end October
# 3 Draft new SSP to reflect need changes (ie D-7)	Conc Pvmt	3/1/2011	6/1/2011	100	100	Incorporated D7 proposals.
# 4 Review and Negotiate new SSP	Conc Pvmt	6/6/2011	10/30/2011	60	75	9/23 comment on ISR received from CPPC, RUB and DBDR from HQ Construction and OE.
# 5 Finalize new SSP	Conc Pvmt	11/30/2011	1/27/2012	0	0	
# 6 Update guidelines to reflect SSP changes	Conc Pvmt	9/1/2011	10/31/2011	70	45	9/26 Received Revised Guide Line and Web Course back from Consultant for final review.
# 7				0	0	
# 8				0	0	

**Log** #1 Reorganization of slab replacement specifications is being accomplished by taking existing SSP language and reorganizing it in 2010 specs for concrete to resolve several issues on slab replacement and rapid strength concrete.

2-28-11, Lrouen. Updated PY estimates.

#2 06/15-28 Review/Revise and update guide lines for ISR to match specification. Review and revise spec as necessary for major item only.

#3 7/20 Received concrete lane replacement guide line from consultant (Linda Pierce).

#4 8/11 Sent tabulated comments from Robert, Doran Bill and Cornelis back to Linda Pierce

#5 8/14 Received draft ISR Course from Linda Pierce.

#6 8/16 Sent comment from CH back to Linda Pierce

#7 9/9 Sent comment from Doran and Bill to Linda Pierce. Issue to address the naming between cementitious and bituminous to concrete and asphalt.

#8 8/5 Sent out to rock product (20# CT and outside) for review nSSP for ISR (individual replacement slab), RUB (Replace Underlying Base) and DBDR (Drill and Bond Dowel Retrofit) due 8/31

#9 9/2 Received comment for ISR and RUB only from Austin Perez.

#10 9/7 Received additional comment from Sharon Hansen. Email and phone call to address "removal section 15, 2006 and 2010" issue. No comment from Craig Henning the requestor of this project.

#11 9/23 Received comment for ISR from CPPC. Slab Replacement comment being reviewed by APTEC, projected final at end October, Received corrected Lane Replacement, being checked. DBDR guide comment sent back to APTEC.

PARVIA worked on ISR Guide Webcourse, expected return October 15.

**Project Chip Seal Just In Time Training (JITT)**

**Target Completion Date** 12/31/2011      **Number** 12      **Status** Active

**Task** Preservation      **Subtask** Training  
**Progress** 90 %      **Rock Products Committee** YES

**Purpose** Train CT and contractor personnel on Chip Seal construction.

**Overall** Module completed

**Project Lead** Hector Romero      **Office** Asphalt Pavement      **Phone** 916-274-6194      **E-FIS Project Number**      **E-FIS Subtask Number**

<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>
# 1 Create JITT Module	Industry	1/3/2010	11/1/2010	100	100	Complete
# 2 Review and Finalize JITT Module	HQ Constr	11/1/2010	7/29/2011	100	100	Complete
# 3 Update Specifications	Asphalt	2/15/2011	12/31/2011	10	70	Develop Prepaving specifications to account for a strategy checklist, training, project specific issues
# 4				0	0	
# 5				0	0	
# 6				0	0	
# 7				0	0	
# 8				0	0	

**Log** 8/3/2010-Draft JITT is in review  
1/13/11, Irouen, info up to date  
4/25/11 - Status Update, SR

**Project Micro-Surfacing JITT**

**Target Completion Date** 12/31/2011      **Number** 13      **Status** Active

**Task** Preservation      **Subtask** Training  
**Progress** 90 %      **Rock Products Committee** YES

**Purpose** Train CT and contractor personnel on micro-surfacing construction

**Overall** Modules completed.

<b>Project Lead</b>	<b>Office</b>	<b>Asphalt Pavement</b>		<b>Phone</b>	<b>E-FIS Project Number</b>		<b>E-FIS Subtask Number</b>
<b>Deliverable or Task</b>	<b>Office</b>	<b>Start Date</b>	<b>End Date</b>	<b>Complete %</b>	<b>Elapsed %</b>	<b>Status</b>	
# 1 Create JITT Module	Industry	1/3/2010	11/1/2010	100	100	Complete	
# 2 Review and Finalize JITT Module	HQ Constr	2/1/2011	7/29/2011	100	100	Complete	
# 3 Update Specifications	Asphalt	2/15/2011	12/31/2011	10	70	Develop Prepaving specifications to account for a strategy checklist, training, project specific issues	
# 4				0	0		
# 5				0	0		
# 6				0	0		
# 7				0	0		
# 8				0	0		

**Log** 1/13/11, lrouen, verified pys and target

**Project Quieter Concrete Pavement**

**Task** Preservation **Subtask** Concrete Repairs  
**Target Completion Date** 6/30/2013 **Number** 14 **Status** Active **Progress** 55 % **Rock Products Committee** YES

**Purpose** To reduce noise generated by tire-pavement interaction on concrete pavements. Next Generation Concrete Surface (NGCS) grind and groove promises to reduce tire-pavement noise significantly.

**Overall** nSSP updated. Research and evaluation of NGCS test sites continuing.

Project Lead	Office	Concrete Pavement	Phone	E-FIS Project Number	E-FIS Subtask Number	
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1 NSSP for NGCS	Conc Pvmt	7/1/2008	1/1/2010	100	100	Approved subject to revisions on a case-by-case basis as needed.
# 2 Identify potential projects for NGCS pilot test sections	Conc Pvmt	1/1/2011	6/30/2011	100	100	Seven pilot projects identified, 3 in construction in 2011. Sac I-5 project to be completed by end of September 2011.
# 3 Update and adopt NGCS specifications	Conc Pvmt	7/1/2012	6/30/2013	0	0	Pending. Subject to field evaluation of NGCS pilot projects
# 4 Finalize rigid QP research first and second year report.	UCPRC	7/1/2010	9/30/2011	95	100	Comments returned to UCPRC. Final report by end of September 2011.
# 5 Complete rigid QP research third year data collection & draft report. Begin fourth year data collection.	UCPRC	7/1/2010	6/30/2012	30	60	
# 6 Evaluation of OBSI and texture characteristics of NGCS pilot test sections.	UCPRC	5/1/2011	12/31/2012	15	25	Ongoing research with Pavement, METS and Districts Construction. After measurements for Sac I-5 in early Oct. 2011
# 7 Develop work plans for field evaluation of NGCS pilot test sections (Sac 5n, Sac 5s, Sac 50, Sac 80, Yol 113, SJ 99 & SD 5)	UCPRC	5/1/2011	10/31/2011	80	80	Development of work plans in collaboration with Pavement Program. UCPRC submitted 5 of 7 work plans on 9/22/11
# 8					0	

**Log** NEXT GENERATION CONCRETE SURFACE (NGCS) PILOT PROJECTS IN FY 2011/12

DISTRICT	EA	COUNTY	ROUTE	Project Post Mile Limits	Grind & Groove Limits	Conventional Grind Limits	STATUS
3	0A800	Sac	50	Segment 1: R2.6 to R5.4 Segment 2: R12.2 to R14.2	"WB: PM R12.80 to R14.20"	" EB & WB: PM R2.66 to R5.40 EB: PM R12.20 to R14.20"	Spring 2012
3	1F450	Sac	5	"Segment 1: 17.2 to 22.8 Segment 2: 24.2 to 24.8"	NB from PM 18.69 to PM 22.42	SB from PM 22.42 to PM 18.69	"Under Construction" EXPECTED COMPLETION 9/30/2011
3	0F590	Sac	5	0 17.2 NB from PM 1.04 to PM 3.14	"NB from PM 0.0 to PM 1.04 NB PM 3.14 to PM 3.5 SB from PM 3.5 to PM 0.0"		"Under Construction"
3	2F040	Sac	80	12.4 18.0	"EB: PM 12.79 to 17.56 WB: PM 12.91 to 18.00"	N/A	"Summer 2011 OR Summer 2012"
3	2F050	Yol	113	R0.0 R11.1	"NB: PM R0.20 to R1.50 SB: PM R1.50 to 0.25"	"NB: PM R1.50 to R11.1 SB: PM R1.50 to R11.1"	Summer 2011
10	0V870	SJ	99	NB PM 29.0 NB PM 30.8	NB: PM 29.0 to 30.8	N/A	Summer/Fall 2011
11	07760	SD	5	R36.35 R37.35	"NB from PM R36.35 to R37.35 SB from PM R37.35 to R36.35"	Completed in a different contract	"Fall 2011 Trial section completed May-2011"

**Project DBR polyester backfill**

**Task** Preservation **Subtask** Rigid Pavement  
**Target Completion Date** 12/31/2016 **Number** 15 **Status** Active **Progress** 5 % **Rock Products Committee** YES  
**Purpose** Shrinkage and low strength problems have been previously encountered with the backfill material used for DBR. There is a need to find a material that performs better and which is less susceptible to degradation during the construction process  
**Overall** Task cost estimate from Chico received 8/12.

Project Lead	Office	Concrete Pavement	Phone	E-FIS Project Number	E-FIS Subtask Number	
Doran Glauz	Concrete Pavement	916-227-5436				
Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1 Develop workplan	Conc Pvmt	12/1/2010	7/15/2011	100	100	Workplan is in place.
# 2 Monitor Sac 50 test project	Chico	7/5/2011	12/5/2016	5	5	SOW approved 8/31. Meeting scheduled 9/2. Met with Chico and potential NDT consultant.
# 3 FWDs, cores and test	Materials	7/5/2011	4/5/2012	0	30	Cannot get lane closure from construction. Trying to coordinate work within other lane closures.
# 4 initial report	Chico	12/5/2011	3/1/2012	0	0	
# 5 Update nSSP from lessons learned	Conc Pvmt	3/1/2012	9/1/2012	0	0	
# 6 final report	Chico	1/1/2016	12/31/2016	0	0	
# 7 Evaluate if spec should be standard	Conc Pvmt	6/1/2016	12/1/2016	0	0	
# 8				0	0	

**Log** 9/6/11 Talked with RE Mishack, Project has no funds to provide a lane closure. It is scheduled to be ended December 2011. This may prevent any testing before January 2012.  
 3/24/11, Irouen, update deliverables and target dates  
 2-28-11, Irouen. No updates  
 1/12/11, Irouen, Working with D-3 to identify study area. Workplan in progress  
 8/3/2010- NSSP currently in use for SAC 50 project.  
 Only activities 1 and 2 are active for this project and only because they are follow-ups to previous work.