ROCK PRODUCTS COMMITTEE

WORK PLAN STATUS

August 16, 2012

"Plan the Work

Work the Plan"

Contents

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“Caltrans, Industry and FHWA Working Together”

STATE OF CALIFORNIA
PAVEMENT PROGRAM STATUS CALENDAR

DEPARTMENT OF TRANSPORTATION

2012

ROCK PRODUCTS COMMITTEE / PAVEMENT PROGRAM STATUS CALENDAR

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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MAR

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APR

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29	30					

MAY

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27	28	29	30	31		

JUN

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JUL

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29	30	31				

AUG

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SEPT

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OCT

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28	29	30	31			

NOV

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DEC

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30						

JAN 2013

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21	22	23	24	25	26	27
28	29	30	29			

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 Preparation and Posting
- State Hoildays
- 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.

4/23/2012

Pavement Program Project Management Monthly Report

Project **HMA Materials Test Methods** **Task Group** Asphalt **Subtask Group** Specifications

Target Completion 9/30/2012 **Number** 3 **Status** Active **Progress** **99 %** **Rock Products Committee** YES

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

Overall Progress CPD is being processed to allow for projects with 2006 Specifications to use revised CT 304 that will change OBC to be based on total weight of the mix versus the existing OBC based on the weight of the aggregate.

Activities Planned Finalized CTs, associated forms, and specs for the October 20th posting.

Project Lead Nahid Hosseinzadeh **Office** Roadway Materials **Phone** 227-7322 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	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
# 2	206, 207, 208, 209, 227	Mets	5/8/2008	11/1/2011	100	100	Posted
# 3	CTM 366, 367, 379, 382 changes to cover CTM 304 change to "Total wt. of mix."	Mets	7/1/2011	9/30/2012	98	90	To be formatted and posted to CT web. Need CPD and associated forms and specs. Posting will be in Fall of 2012 to coincide with deployment of 2010 Std Specs.
# 4	CT 371	Mets	5/8/2008	8/31/2011	100	100	No further chagnes (Hamburg) will be replacing it and will not be ready for implementation until next year.
# 5	CT 205	Mets	5/8/2008	9/1/2011	100	100	RPC Co-chairs heard dispute, ruled in Dept. favor.
# 6	CT 202	Materials	5/8/2008	7/30/2010	100	100	Posted July 2010
# 7					0	0	
# 8					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 **RHMA Usage** **Task Group** Asphalt **Subtask Group** Specifications

Target Completion 12/31/2012 **Number** 6 **Status** Active **Progress** **90 %** **Rock Products Committee** YES

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

Overall Progress Work plan approved. CT 368 Part 1 completed; Part 2 in progress. Type I specs developed & included in a D7 project. District RHMA performance survey results presented to the group. No further group activity required. Group sunset.

Activities Planned No further group activity required - Group sunset.

Project Lead Haiping Zhou **Office** Asphalt Pavement **Phone** 274-6022 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	CT 368 revision (part 1) - address AR4000 to PG and low multipliers	Asphalt	6/30/2009	6/30/2011	100	100	Completed. CTM posted for implementation.
# 2	CT 368 revision (part 2) - overhaul test method	UCPRC	6/30/2010	12/31/2012	80	85	UCPRC completed phase 1, II, and III testing and has been working on report. A draft should be ready by 7/31/12. CT to follow up report review and/or implementation.
# 3	RHMA mix design & performance evaluation	Asphalt	6/30/2010	6/30/2012	100	100	Received survey results from districts. Summary report presented to the RHMATG group.
# 4	Use/Evaluation of Type I vs.Type II	Asphalt	7/1/2011	10/31/2012	90	85	Work plan developed with draft Type I specs. D12 pilot project selected. NSSP approved. D12 plans to submit final project package HQOE in August 2012. CT to construct the project & monitor performance.
# 5	MPQP for asphalt rubber binder	HQ Constr	6/30/2010	9/30/2011	100	100	Posted on 10/3/11. Reviewed final resolutions to industry's comments (10/26/11) at 11/18/11 RHMATG mtg. No further change required.
# 6					0	0	
# 7					0	0	
# 8					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
9/29/11 - Industry provided comments & cost info. CT created a new resolution table for final responses. CT will address comments and finalize the document for posting. HZ
10/4/11 - MPQP for ARB posted on 10/3/11. HZ
10/18/11 - RHMATG approved the minutes from the 6/7 meeting and the work plan. Discussed low binder content concern and ways to address. Further discussion planned for next meeting on binder content, VMA, gradation, etc. HZ
10/26/11 - Industry provided revised comments & cost info per Caltrans suggestions. Caltrans will provide final resolutions before the next RHMATG meeting scheduled for 11/17. HZ
11/10/11 - Caltrans provided responses and final resolutions to industry's comments. HZ
11/17/11 - RHMATG reviewed final resolutions to MPQP for ARB, discussed low binder concern, industry proposed changes to AR apecifications, and draft SSP 39-150_E_D11_14_11. HZ
12/12/11 - Industry requested to postpone the meeting scheduled for Dec. 15, 2011 to after the first of year 2012. HZ
12/30/11 - Industry requested to postpone the meeting scheduled for Jan. 6, 2012. HZ

6/26/12 - No further group activity required. Group sunset. HZ
7/18/12 - Status update on tasks 2 and 4. HZ

Project **Section 39 Smoothness (Long Term)** **Task Group** Asphalt **Subtask Group** Smoothness

Target Completion 3/1/2013 **Number** 8 **Status** Active **Progress** **50 %** **Rock Products Committee** YES

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

Overall Progress Gatheried certification and calibration procedures from other States. Incoporated NSSP for evaluation on five projects scheduled for 2012 construction season. Identifying location for certification program.

Activities Planned Work with District 3 on certification site at light rail station; Send out SSP for internal review.

Project Lead Peter Vacura **Office** Asphalt Pavement **Phone** 274-6194 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Develop Inertial Profiler NSSP	Asphalt	7/1/2010	12/1/2011	100	100	NSSP developed and proposed on 5 projects. No industry comments thus far. Will schedule a meeting for Nov.
# 2	Test Method, Equipment, & Calibration	Mets	1/31/2011	10/1/2012	50	90	Reviewing other state agency programs and identifying possible testing location
# 3	Evaluate NSSP & Acceptance Criteria	Asphalt	7/5/2011	10/1/2012	10	90	
# 4	Develop SSP & Acceptance Criteria	Asphalt	4/16/2012	10/30/2012	60	60	
# 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 & Monitor Projects to Pilot NSSP	Asphalt	2/15/2011	10/1/2012	100	100	Long life projects (02-3E7504, 02-3E8104, 04-4A0104) and 02-3E7604, 03-0F5904, 03-3797U4, 04-1A6824, 04-4A07U4, 04-0C7404, 06-0E0704, 06-0L6404, 07-286904, and 10-0M8004
# 8					0	0	

Log 5/13/11, Updated Status, PJV
7/5/12 - Status Update, RSD

Project **Quieter Flexible Pavement** **Task Group** Asphalt **Subtask Group** Quieter Pavement

Target Completion 6/28/2013 **Number** 9 **Status** Active **Progress** **60 %** **Rock Products Committee** YES

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

Overall Progress Laboratory evaluation was performed on 3 OGFC mixes. HVS testing and evaluation is underway at UC Davis. nSSP under development

Activities Planned Review and comment on 5th year flexible QP report

Project Lead Rupinder Dosanjh **Office** Asphalt Pavement **Phone** 274-6078 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Conduct and report laboratory evaluation of OGFC mixes	UCPRC	7/1/2009	7/29/2011	100	100	UCPRC report approved by Caltrans
# 2	Lab HVS evaluation on quieter OGFC mixes	UCPRC	7/1/2011	10/1/2012	80	90	HVS testing is complete. Report of results will be available later this summer.
# 3	Develop NSSP for quieter OGFC mixes	Asphalt	1/2/2012	9/28/2012	60	85	
# 4	Update & adopt specification for OGFC mixes	Asphalt	10/1/2012	6/28/2013	0	0	
# 5	Complete 5th yr flexible QP research & report	UCPRC	7/1/2011	8/13/2012	90	100	Report being finalized for comment distribution and will be ready for review by August 10
# 6	Review 4th yr flexible pavement evaluation & report	Asphalt	10/10/2011	12/31/2011	100	100	Report completed and published
# 7	Field evaluation on quieter OGFC mixes	Asphalt	1/1/2013	6/28/2013	0	0	
# 8					0	0	

Log 7/11/11 - Status Update, PJV
9/6/11 - Status Update, RSD
10/12/11 - Status Update, RSD
11/17/11 - Status Update, RSD
6/18/12 - Status Update, RSD

Project **Longer Life Flexible Pavements** **Task Group** Asphalt **Subtask Group** Section 39

Target Completion 6/30/2013 **Number** 11 **Status** Active **Progress** **55 %** **Rock Products Committee** YES

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

Overall Progress Selected and designed 4 (Red Bluff, Weed, Solano, and Willits) and began construction on 2 (Red Bluff and Weed) long life flexible pavement projects in northern California.

Activities Planned Continue monitor project during construction phase.

Project Lead Imad Basheer **Office** Asphalt **Phone** 274-6155 **E-FIS Project** **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	70	UCPRC to conducted IRI & FWD in Fall of 2012. Next step is to update the I-710 Peformance report with new data by Jan
# 3	Develop NSSP for N. Cal Project	Asphalt	2/1/2011	6/30/2011	100	100	Completed NSSP for Red Bluff, Weed, Solano, Willits.
# 4	Evaluation and Monitoring of Weed and Red Bluff	Asphalt	7/2/2012	6/28/2013	5	10	Projects in construction; Continue working with Construction and District in monitoring the construction phase.
# 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
12/14/2012 - Red Bluff and Weed Projects already awarded and in construction.

Project **Porous Asphalt Pavement** **Task Group** Asphalt **Subtask Group** Specifications

Target Completion 11/1/2012 **Number** 12 **Status** Active **Progress** **25 %** **Rock Products Committee** YES

Purpose Develop a porous pavement specification for implementation in low traffic locations that are classified as low-risk areas such as parking lots and landscape areas.

Overall Progress Draft specification sent out for review.

Activities Planned Sent draft specification to OE for 2010 formatting.

Project Lead Kee Foo **Office** Asphalt Pavement **Phone** 916-274-6077 **E-FIS Project** **E-FIS Subtask Number**

Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1 Specification	Asphalt	8/1/2012	11/1/2012	25	15	
# 2				0	0	
# 3				0	0	
# 4				0	0	
# 5				0	0	
# 6				0	0	
# 7				0	0	
# 8				0	0	

Log 7/13/12 Scoping document approved (fky)
8/8/12 Draft Specification reviewed (fky)

Project **Superpave Specification** **Task Group** Asphalt **Subtask Group** Specifications

Target Completion 6/30/2014 **Number** 13 **Status** Active **Progress** 5 % **Rock Products Committee** YES

Purpose Develop specification to transition from Hveem mixes to Superpave mixes.

Overall Progress

Activities Planned

Project Lead Joe Peterson **Office** Roadway Materials **Phone** 227-7322 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Compile information/data from 1st batch of pilot projects	Road Mat	6/1/2012	11/30/2012	25	40	
# 2	Review information/data from 1st batch pilot projects and revised specs	Road Mat	12/1/2012	2/28/2013	5	0	
# 3	2nd batch of pilot projects	Road Mat	3/1/2013	11/30/2013	0	0	
# 4	Compile information/data from 2nd batch of pilot projects	Road Mat	12/1/2013	2/28/2014	0	0	
# 5	Review information/data from 2nd batch pilot projects and revised specs	Road Mat	3/1/2014	5/31/2014	0	0	
# 6	Implement specs	Road Mat	3/1/2014	6/30/2014	0	0	
# 7					0	0	
# 8					0	0	

Log

Project **RAP/RAS** **Task Group** Asphalt **Subtask Group** Specifications

Target Completion 6/30/2014 **Number** 14 **Status** Active **Progress** **0 %** **Rock Products Committee** YES

Purpose Develop a standard special provisions (SSPs) for allowing higher RAP usage and for allowing RAS usage.

Overall Progress

Activities Planned

Project Lead Joe Peterson **Office** Roadway Materials **Phone** 227-7303 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Compile information/data from 1st batch of pilot projects	Road Mat	6/1/2012	11/30/2012	20	40	
# 2	Review information/data from 1st batch of pilot projects and revise specs	Road Mat	12/1/2012	2/28/2013	0	0	
# 3	2nd batch of pilot projects	Road Mat	3/1/2013	11/30/2013	0	0	
# 4	Compile information/data from 2nd batch of pilot projects	Road Mat	12/1/2013	2/28/2014	0	0	
# 5	Review information/data from 2nd batch of pilot projects and revise specs	Road Mat	3/1/2014	5/31/2014	0	0	
# 6	Implement specs	Asphalt	3/1/2014	6/30/2014	0	0	
# 7					0	0	
# 8					0	0	

Log

Project **Notched Wedge Joint** **Task Group** Asphalt **Subtask Group** Specifications

Target Completion 11/1/2012 **Number** 15 **Status** Active **Progress** **25 %** **Rock Products Committee** YES

Purpose Develop a contractor option notch wedge joint specifications.

Overall Progress Draft specification sent out for review.

Activities Planned Sent draft specification to OE for 2010 formatting.

Project Lead Kee Foo **Office** Asphalt Pavement **Phone** 274-6077 **E-FIS Project** **E-FIS Subtask Number**

Deliverable or Task		Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Specifications	Asphalt	8/8/2012	11/1/2012	25	5	Draft Review
# 2					0	0	
# 3					0	0	
# 4					0	0	
# 5					0	0	
# 6					0	0	
# 7					0	0	
# 8					0	0	

Log 7/13/12 Scoping document approved (fky)
8/8/12 Draft specification reviewed (fky)

Project **QC/QA Spec for Cast-in-Place Concrete** **Task Group** Concrete **Subtask Group** Concrete Materials/QA

Target Completion 6/28/2013 **Number** 5 **Status** Active **Progress** **80 %** **Rock Products Committee** YES

Purpose Implement QA specifications for materials management of structural concrete.

Overall Progress Much forward movement. QCQA Spec finalized as of 6 Aug. QA Guidance Doc under development; finalized in coming days. ACI Training for CT Staff continues. D11 Pilot Project confirmed; outreach taking place ICW project. DIME database almost complete.

Activities Planned ACI certifications in Sacramento are planned in July. The DIME beta testing is planned for this month with a couple of private labs. Pilot project specific outreach will be conducted as soon as pilot projects are identified.

Project Lead Rob Reis **Office** Structural Materials **Phone** (916) 227-7287 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	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.
# 2	Develop outline for QC/QA/IQA/IA program	Materials	3/1/2011	11/1/2011	100	100	QC program is complete. QA program is being finalized.
# 3	Draft QC reference specification and selection of pilot projects	Materials	7/1/2011	1/31/2012	100	100	Ruth Fernandes is working on draft spec. They requested more time to resolve questions and finalize specs.
# 4	Review of draft QC specification and create draft QA specifications	Materials	1/16/2012	3/31/2012	100	100	
# 5	ACI Training and IA updates	Materials	1/1/2012	4/1/2013	75	50	ACI is complete. IA Manual Updates complete.
# 6	Workshops and roll out 10+ pilot projects (structural concrete/non-pavement) and additional 10 pavement projects to be added later on		4/2/2012	10/1/2012	95	75	D11 Project identified.
# 7	Feedback and update other pilot concrete projects		7/2/2012	2/28/2013	15	20	
# 8	Establish full implementation on all projects		3/1/2013	6/28/2013	0	0	

Log 8/9/12

Much forward movement on the Specification, and all related activities. QCQA Spec finalized as of 6 Aug. QA Guidance Doc under development; to be finalized in coming days. ACI Training for CT Staff continues; training dates set for fall 2012 and spring 2013. D11 Pilot Project confirmed; outreach taking place ICW project in September 2012. DIME database almost complete; weekly project meetings taking place to finalize the DIME database.

7/17/12

Work continues on this activity. QCQA Spec is tentatively final pending minor comments. Work will continue throughout June-July 2012 to develop the Pilot Projects, ACI Training, and the DIME Database for external tests. Outreach for all parties continues.

7/3/12

The plain language specification is being reviewed. Pilot projects are being identified. Outreach is on-going. ACI certifications are on-going. ACI certificate contract is executed (100% Complete). IA memo is being drafted.

4/24/12

STG has resumed work based on a new consensus reached on the QA Portion of the Spec. Updated draft Specification has been developed and has been distributed through RPC channels. Project team meetings to continue. Outreach/Pilot Projects to take place in near future. QC outline report final. QC portion of Spec also finalized as of 13Jan2012. METS working on ACI training for staff.

2/23/12

The STG has suspended work based the project team's inability to reach consensus on the QA Portion of the spec. Non-Consensus document to be developed to document impasse. Refinement of project team member roles TBD. QC portion of Spec also finalized as of 13Jan2012. METS working on ACI training for staff.

1/23/12
Final QCQA Spec received on 13Jan2012. This QCQA Spec will allow movement forward on Pilot Projects. QA portion to be refined with SP&I in the coming months.

1/13/12
Final QCQA Specification was received.

1/9/12
Project team meetings have been held throughout December to review and comment on the draft specification. The acceptance program portion of the Spec is currently being composed and discussed. A draft was submitted by SP&I on 1/9/12. Portions of the spec still differ from the overall view of other members of the project team (METS, IA, and OSC). These details are being tracked at the team level and continue to be discussed.

11/22/11
Outreach program is continuing. Presentations for CalCIMA took place during the month of Nov 2011. Specification development is also continuing at the project team level.

10/20/11
Several outreach presentations have occurred, to include meetings for CCTIA and for CalCIMA at their convention in Monterey on October 11. Additional presentations to CCTIA, ACI, and CT DMEs are scheduled as well. The project team is also working at the team level to develop the draft specification, as well as the QC and QA Guideline reports. Target is to be complete with each by end of October.

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 questionaire 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 aggreement 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 Accredidation 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

Team team is working on refining the following aspects based on Department and Industry review/input:
1. Frequency of QC and QA Testing
2. Lot ID for QA Testing
3. Dispute resolution process

Update from April 18, 2011 Project Team Meeting:

Outline of QC/QA tests was discussed and a draft report of the review on FHWA/DOT practices was circulated and discussed. Project team members are to review the proposed outline and provide feedback at the next team meeting. New project team members (Mike Cook of Granite Rock and Rick Navarro representing the California Council of Testing and Inspection Agencies) attended. ASTM test method equivalent to CT methods were reviewed. Consensus was reached regarding the use of ASTM test methods for proposed QC/QA pilot projects.

On parallel path are discussions with Loren Turner regarding data platform for collection of test results from consultant labs. A separate task specific project team will be developed that will include Mike Cook, Rick Navarro and others to address this task.

Mtgs. Held every two weeks.

Updates from March 17 Meetings:

Rob introduced the purpose of this project is to have QC tests take the forefront and place the state staff into more of a "review" role.
Bruce indicated that cost-benefit analysis might be a good way to show the affects of overall project cost.
The group discussed the differences between CTMs and ASTMs will affect how the material is tested. Bruce and Kirk commented on international material being tested on standards other than ASTMs. Clarifications may be needed on how to prequalify this material.

Updates from Feb 17 Meetings:
This item moved up in the priority. With the limited number entries in the log, overall plan has been broadly divided in to following six tasks. Detailed work plan available with identifying 17 sub projects for FY 10-11 & 11-12
• Project team has begun conducting meetings to complete all of the objectives listed. Currently the team is reviewing Existing Performance Based requirements, to include reviewing FHWA Practices, as well as other DOT practices already in place.
• A Detailed Outline of the QC Program will be the next portion that will be hashed out in the near term, to include the establishment of certifications needed and testing protocol

Project **Precast QC Provisions/Precast Technical Revisions** **Task Group** Concrete **Subtask Group** Precast Concrete

Target Completion 1/1/2013 **Number** 6 **Status** Active **Progress** **90 %** **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 Progress Next Project team meeting set to take place on 14 Aug. Sections 51 and 47 to be the next sections reviewed. Review complete for Sections 11 and 90. Draft 11-2 with PC Tiers is in final stages of development; revisions passed to team on 1 Aug.

Activities Planned The meetings are schedules for next three meetings are scheduled to go over all sections containing precast concrete.

Project Lead Keith Hoffman **Office** Structural Materials **Phone** 707-649-5468 **E-FIS Project** **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	6/1/2012	100	100	OSMPP, tier priority list etc. is being revised to come up with the first step of implementation plan. Spec outline has been created.
# 3 Gather and compile feedback on all Sections	Materials	6/1/2012	11/1/2012	80	50	
# 4 Finalize draft specification with Tiers of PC	Materials	8/1/2012	11/1/2012	75	15	
# 5 Implement Specification		11/1/2012	1/1/2013	0	0	
# 6				0	0	
# 7				0	0	
# 8				0	0	

Log 8/9/12
Next Project team meeting set to take place on 14 Aug. Sections 51 and 47 to be the next sections reviewed. Review complete for Sections 11 and 90. Draft 11-2 with PC Tiers is in final stages of development; revisions passed to team on 1 Aug. Activity moving forward according to schedule.

7/17/12
Updated Scoping Document finalized at April STG meeting. Has a multi-fold purpose; consists of QC and Technical Revisions, and the creation of Precast Subsections. Team meetings are scheduled throughout Jul-Aug 2012. Draft Section 11 ready in Aug 2012.

7/3/12
On-going biweekly meetings for project team and subgroup committee meetings to discuss provisions QC Provisions and Precast Technical Revisions to the plain language specifications.

4/24/12
A new Scoping Document has been developed based on previous impasse to more clearly define the activity from a Precast QC perspective. New Scope will clarify Precast Technical Requirements and consolidate Precast Spec. Finalized at March STG meeting. Project team meetings to continue in the coming weeks.

2/23/12
An impasse has been reached. Impasse centers on the ability to create a new Section for Precast. A new Scoping Document is to be developed tp more clearly define the activity from a Precast QCQA perspective. Goal is to finalize by next STG mtg

1/17/12
An impasse has been reached. SP&I staff recently expressed disagreements regarding the need for this issue. SP&I stated that their current unit framework will not support this activity regardless of TG approval. Scoping document approved by TG 7/14/11.

12/23/11
Various discussions of this activity occurred at the project team level and STG level throughout Dec 2011. SP&I personnel involved in the Precast STG have recently expressed disagreements regarding the need for this issue and an impasse has been reached. SP&I personnel state that their current unit framework will not support this activity.

11/22/11
An outline of the spec has been created and was sent to Specifications personnel on October 12. A meeting will take place at the project team level in mid-Dec to clearly define the tasks and endstate for this activity. Any revisions to the Scoping Document will be routed through the Task Group for approval.

10/20/11
A first draft of the "new Precast Concrete Section" and a first draft of the "Levels of Precast QCQA" spreadsheet was sent to OE on October 12. No review comments received as of this date. An outline of this Section will be created and used for discussion at the upcoming STG meeting.

Project **Statewide Aggregate Source Database** **Task Group** Concrete **Subtask Group** Concrete Materials/QA

Target Completion 7/1/2013 **Number** 9 **Status** Active **Progress** **90 %** **Rock Products Committee** YES

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

Overall Progress Movement continues with METS personnel to develop "Test Cards" for use by CT Labs. Test Cards allow for measured values to be input. Team meetings continue; next meeting to take place in late-Aug with METS/DME personnel. Constant database updates continue

Activities Planned Additional feedback will be solicited after the changes are implemented.

Project Lead Rob Reis **Office** Structural Materials **Phone** 916-227-7287 **E-FIS Project** **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	1/30/2012	100	100	Completed. Applicable tests have been outlined
# 3 Review test methods/develop schema	Materials	2/18/2011	3/30/2012	100	100	Completed. Schema was developed from test methods.
# 4 Establish pilot database	Materials	1/13/2012	3/30/2012	100	100	Schema is currently being tabulated; movement continues in conjunction with QCQA activity
# 5 Receive feedback from all users	Materials	3/30/2012	6/30/2012	100	100	Feedback received by DME meeting as well additional conference calls.
# 6 Consider additional phases/use of data	Materials	6/1/2012	7/1/2013	50	20	Completed. The users are identifed in the meeting with DME.
# 7				0	0	
# 8				0	0	

Log 8/9/12

Movement continues with METS personnel to develop "Test Cards" for use by CT Labs. Test Cards allow for measured values to be input. Team meetings continue; next meeting to take place in late-Aug with METS/DME personnel. Constant database updates continue.

7/17/12

Database development continues. Surveys have been distributed to Districts to garner understanding of current business practices; database will incorporate all lessons learned. List of aggregate tests is on hand. Working in conjunction with QCQA Team.

7/3/12

Last month meeting was held with all DMEs to receive additional feedback on the latest version of DIME database. Work is being conducted with IT to procure the tablet devices.

4/24/12

Mtgs taking place at project team level throughout April/May to continue work on CT schema. Surveys distributed to DMEs to capture practices/introduce idea. Team is currently tabulating schema/developing code based on ASTMs and CTMs in spec. New hardware interface is being explored, particular the use of tablets for input of data.

2/23/12

Mtgs taking place at project team level throughout Feb 12 to continue work on CT schema. Surveys distributed to DMEs to capture practices and introduce idea. Team is currently tabulating schema/developing code based on ASTMs and CTMs in spec

1/17/12

Mtg took place at project team level on 1/13/12 to begin work on CT schema. Schema data/results extracted ASTMs. Team is currently tabulating schema/developing code.

1/3/12

A project team meeting is scheduled for 1/13/12 to begin developing schema based on CT's.

12/23/11

This activity continues to operate in conjunction with the QCQA activity. The project team is still refining the format capture protocol for data and for results of applicable test standards. Format refinement will continue in the near term.

11/22/11

Full list of aggregate tests is currently in development. The plan is still in place to run this activity in concurrence with the schema developed for the QCQA activity.

10/20/11

The project team has been established. A list of aggregate tests has also been developed. Pilot programs will be presented to Districts 2,3,5,7,8 and HQ. This activity will also run in currence with the schema developed for the QCQA Activity;

Project **Precast Concrete Pavement** **Task Group** Concrete **Subtask Group** Precast Concrete

Target Completion 7/30/2013 **Number** 11 **Status** Active **Progress** **55 %** **Rock Products Committee** YES

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

Overall Progress Pilot projects in D7 are RTL'd and projects in D4 are advertised. Review continues on updated draft report from consultant on design methodology. Lessons learned continue to be compiled for all constructed projects.

Activities Planned Design methodology meeting to take place on 9/11/12 (the meeting was postponed from scheduled date in July due to hospitalization of the key contributor).

Project Lead Mehdi Parvini **Office** Concrete Pavement **Phone** 916-227-5848 **E-FIS Project** **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	Completed nSSP.
# 2	PPCP Details	Conc Pvmt	7/1/2010	4/1/2012	100	100	Completed draft standard sheets.
# 3	Establish Design Criteria	Conc Pvmt	7/1/2010	12/30/2012	30	85	Consultant initial design methodology report drafted and reviewed. Meeting to discuss the report on 9/11/12.
# 4	Prestressed Design Guide	Conc Pvmt	1/1/2012	3/1/2013	30	55	Initial drafted June 15. Holding review for further work to be completed on the design criteria.
# 5	Develop generic slab replace specification	Conc Pvmt	12/1/2011	6/30/2012	100	100	Completed nSSP.
# 6	Develop generic slab replace Details	Conc Pvmt	12/1/2011	6/30/2012	100	100	Completed draft standard sheets.
# 7	Performance Evaluation Guidelines (for Proprietary Systems)	Conc Pvmt	3/30/2012	12/30/2012	15	50	Consultant initial design methodology report drafted and reviewed. Meeting to discuss the report on 9/11/12.
# 8	Update prestressed SSP & plans (after I-710 first construction season, and resolving flat panel issue)	Conc Pvmt	1/30/2013	7/30/2013	0	0	Proposed changes by D4 was implemented in PPCP nSSP.

Log 8/9/12 - status update-MP

8/9/12

Pilot Projects in District 4 and 7 have RTL'd (last 6/30/2012). Review continues on updated draft report from consultant on design methodology. Design methodology MTG to take place in mid-Sept 2012. Lessons learned continue to be compiled for all projects.

7/2/12 - status update-BF

Change date for developing Design Criteria and Prestress Guide to 12/30/12 since consultant not yet on board. Change end date for project to 7/30/13 since construction on 710 and other pilots not yet begun and time is needed to evaluate these projects.

5/31/12-status update-MP

4/24/12

Specs and Plans for Precast Prestressed (PPCP) and Precast Panel (PCP) discussed at project team meeting on 4/24/12. Further comments received after the meeting. Next project team mtg scheduled for May/Jun. Draft proprietary legal memo circulated to team. Design methodology also to be developed and review at project team level. Will be review and refined throughout May 2012.

4/23/12-status update-MP

2/27/12

Specs and Plans for Precast Prestressed (PPCP) and Precast Panel (PCP) to be finalized at project team level. No comments received. Next project team mtg scheduled for late-March. A task order for the development of Design Guidelines will be finalized in the coming weeks. Proprietary legal memo also to be developed at team level.

2/1/12-status update-MP

12/23/11- Std. details for PPCP were discussed in 12/6/11 meeting. Draft ISR(PCP) spec and plan were discussed on 12/6 meeting. Project team meetings will continue monthly, with the next one to take place in early-Jan 2012.

PPCP nSSP was updated based on lessons learned from CC-680 project in 9/7 meeting. Std. details discussed in 11/3/11 meeting and to be updated in 12/6 meeting. Draft ISR(PCP) spec and plan is prepared and to be discussed.

11/22/11

The next project team meeting is currently scheduled for December 6, 2011. Development of the Standard Sheets for the PPCP plans will continue in the meantime.

10/16/11-status update-MP

This activity was discussed at the most recent September 15 Sub-Task Group meeting. The project team remains committed to completing PPCP nSSP and project plans in conjunction with this STG activity. The next project team meeting is currently scheduled for November 3, 2011.

9/9/11-Status update-MP

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

Project **Coefficient of Thermal Expansion (CoTE)** **Task Group** Concrete **Subtask Group** CIP Concrete Pavement

Target Completion 6/30/2013 **Number** 13 **Status** Active **Progress** 35 % **Rock Products Committee** YES

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

Overall Progress Received 150 test results from 10 projects using three labs. Recd test results from 06-0L6404. Jose Torres sent samples from 08-478604 to Translab for testing.

Activities Planned Handle requests for information from the districts and update the database.

Project Lead Ray Lott **Office** Concrete Pavement **Phone** 916-227-5853 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Modify spec to reduce test frequency	Conc Pvmt	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	70	80	Resident Engineers contacted to collect test data. Test data and SMARA numbers being received and added to the database.
# 3	Evaluate data for variance & acceptance	Conc Pvmt	10/30/2012	12/30/2012	0	0	Collect data from constructed projects.
# 4	Update Specification	Conc Pvmt	1/1/2013	6/30/2013	0	0	
# 5					0	0	
# 6					0	0	
# 7					0	0	
# 8					0	0	

Log 8-1-12 - Received 150 test results from 10 projects using three labs.
7-23-12 - Recd test results from 06-0L6404. Jose Torres sent samples from 08-478604 to Translab for testing.
6-27-12 - Recd samples from 04-2285C4 and 03-2C8604. After getting the SMARA number, samples added to the database. Contacted Karl Lindquist regarding 12-0F0314 and 12-0F0314. Paving is scheduled for late July/Aug. Saeed Mahdavi 12-0E5704 stated that he will add test results to the db when he receives them from the contractor.
5-29-12 - Last data from 11-167894. Contacted by Jose Torres (08-478604), he is sending samples to Translab for testing. Recd data from Sam Dhaliwal (06-0L6404).
5/3/12 - Data received from D11 (11-167894). Tests run by Translab. 21 samples have been tested. Met with Joe Holland - request data output reports be added to the DB.
4/24/12 - Additional test data received from D11 (11-167894). Tests run by Translab.
4/6/12 - Data received from D11 (11-167894) run by Translab.
3/26/12 - Handle requests for information from the districts. Data received from D11 (11-167894).
2/23/12 - Data received from D4 (04-4470U4) and D12 (12-071624) paving jobs and entered into the CoTE database.
1/23/12 - Data received from D6 (06-460604) paving job and entered into the CoTE database.
1/10/12 - status update-MP
12/15/11 - No new activity in this period. Two test data from D3 is reported. Received another 4 test results from D12 405/22 connector (12-071624).
6/22/11 - The proposed spec change was agreed to in the 6/9/11 meeting.
5/27/11 - The proposed spec change was discussed in 5/12/11 meeting. Caltrans comments were incorporated in the draft. The new draft was 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 - New spec language was proposed at the 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 **Rapid Strength Concrete for JPCP (JPCPRSC)** **Task Group** Concrete **Subtask Group** CIP Concrete Pavement

Target Completion 10/15/2012 **Number** 16 **Status** Active **Progress** **50 %** **Rock Products Committee** YES

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

Overall Progress End of July 2012, began work of comment from industry/district. Received draft 2010 JPCPRSC spec from Caltrans HQ-OE on May 29th, 2012.

Activities Planned By end of August 2012, planned to finalize the revised JPCPRSC RSS for review by internal, external or both.

Project Lead Cornelis Hakim **Office** Concrete Pavement **Phone** 227-5854 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Prepare draft spec	Conc Pvmt	3/1/2011	5/15/2011	100	100	Draft specs were prepared.
# 2	Review draft spec	Other	5/16/2011	9/15/2011	100	100	Completed
# 3	Circulate draft spec (Subtask group, districts)	Conc Pvmt	7/25/2011	12/15/2011	100	100	Completed
# 4	Address comments	Conc Pvmt	7/25/2011	8/30/2012	20	95	Comment Received from industry and construction and being incoporated into the spec. HQ-OE 2010 conversion completed
# 5	General review (District, Industry, other HQ)	Conc Pvmt	8/30/2012	9/15/2012	0	0	
# 6	STG finalize spec	Conc Pvmt	9/15/2012	9/20/2012	0	0	
# 7	Obtain Mandatory Concurrence	Conc Pvmt	9/20/2012	9/30/2012	0	0	
# 8	Submit and Publish Spec	OE	9/30/2012	10/15/2012	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.
11/25/11 Issue came up for maximum cement content restriction for district 10 project. Project bid came high, may cause by low engineer estimate. Challenge by CTS for changing cement content requirement.
The project is still on target for July.
05/02/12 No major work due to concentration to finalized ISR, RUB and DBB (2010) spec.
05/29/12 HQ-OE completed the conversion to 2010
05/30/12 End date for #4 moved to 6/30 because of review time and schedule
07/25/12 Begin review comment from district and industry

Project **Bond Breaker** **Task Group** Concrete **Subtask Group** CIP Concrete Pavement

Target Completion 6/30/2013 **Number** 18 **Status** Active **Progress** **45 %** **Rock Products Committee** YES

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

Overall Progress received commenst from sub task group 7/20

Activities Planned Make needed changes to draft specification by 8/7. discuss with subtask group on 8/9.

Project Lead Doran Glauz **Office** Concrete Pavement **Phone** 916-227-5436 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Develop Test Section Alternatives	Conc Pvmt	3/1/2011	6/30/2012	100	100	Constructed test section on Hwy 180 in Fresno.
# 2	Draft Bond Breaker Spec	Conc Pvmt	5/1/2011	9/30/2011	100	100	Short term update to create bond breaker spec using already approved items.
# 3	Finalize Bond Breaker Spec draft	Conc Pvmt	7/1/2011	8/15/2012	65	100	Updated specification per comments. Circulate revised specification with prior comment list by July 5.
# 4	Evaluate Test Section	Conc Pvmt	7/1/2011	12/30/2012	20	75	Schedule evaluation of test section.
# 5	Update Specifications with new products	Conc Pvmt	7/1/2012	6/30/2013	5	10	
# 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 horizontaly. 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 ot 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** **Task Group** Concrete **Subtask Group** CIP Concrete Pavement

Target Completion 10/31/2013 **Number** 19 **Status** Active **Progress** 10 % **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 Progress 07/05 Developed Draft HDM revisions; comments due 07/30. 07/19 resolved Draft SSP Pavement Chiefs' review comments. 07/23 Circulate Draft SSP to Const & METS; comments due 08/13.

Activities Planned Resolve HDM comments by 08/14. Resolve Const & METS SSP comments by 08/31. Develop Draft DIB and MTAG revisions by 09/21. Monitor status of conc projects in 2012 construction with IP nSSP (see log for list).

Project Lead Amy Fong **Office** Concrete Pavement **Phone** 916-227-5838 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Develop IP SSP	Conc Pvmt	5/2/2011	10/31/2013	25	50	IP SSP for measurement and acceptance. Review process includes industry. Circulated to Const & METS for review.
# 2	Develop guidance for pavement smoothness	Conc Pvmt	5/2/2011	10/31/2012	10	85	Revise HDM, MTAG, DIB 79 & 81, CPD. Update design guidance and QA for smooth pavement. HDM circulated in Pavement Program for review.
# 3	Develop smoothness training for Construction	Conc Pvmt	5/2/2011	12/31/2012	5	75	Live classes and on-line training specifically for Construction staff to QA. Includes ProVAL training. Waiting for Const SSP review before proceeding.
# 4	Equip & operator certification	Conc Pvmt	8/2/2011	10/15/2013	10	45	Use TTI until CA site is established.
# 5	Ongoing monitoring and evaluation	Conc Pvmt	4/2/2012	10/31/2013	20	25	There are several pilot projects (see end of log for list and status). Most projects will pave in 2013.
# 6		Conc Pvmt				0	
# 7		Conc Pvmt				0	
# 8		Conc Pvmt				0	

Log 06/27/12/ changed end date for equipment & operator certification procedures from 06/01/12 to 10/15/13. AYF
06/06/12 reviewed RT Watt Parking lot for potential cert site.
01/30/12 - Internal meeting with Pavements, Construction, and UPPRC on spec and implementation issues. IRI acceptance of 60.

Pilots with inertial profiler nSSP:
*02-sis-5; PM51.2/58.1; 02-3e760, CRCP reconstruction (modified nSSP in CRCP spec with incentive/disincentive clause); Awarded 12/22/2011; approx complete Nov 2014.
*03-sac-80; PM0/10; 03-3797u4; widening/lane replacement/grind existing (nSSP incl by addendum); Awarded 07/29/2011. In construction; approx complete 2015.
*06-ker-99; PM28.4/43.9; 06-0L640; CRCP lane replace/grind existing (nssp incl by addendum); Awarded 01/18/2012; approx complete Aug 2013.
*07-la-60; PM11.6/23.6; 07-28690; JPCP RSC lane replacement (nSSP incl); Awarded 12/22/2011; approx complete Apr 2014.
*10-sta-99; PM0/24.8; 10-0m800; JPCP RSC lane replacement/grind existing/CSOL (nSSP incl); Award 02/13/2012; approx complete Dec 2012.

10-sj-5; PM25.3/28.5, 10-0m780; CRCP lane replace/grind existing (nSSP approved); RTL'd 06/13/2012. target advertise Oct 2012.
04-sol-80; PM30.6/38.7; 04-4a010; CSOL; Bill sent spec; RTL 12/30/11; target advertise July 2012.
04-ala-580; PM8.4/14.6; 04-2908C4; nSSP approved 05/17/12; RTL'd 05/22/2012; Advertise 07/16/2012; Target Bid Open 09/19/12.

Project **Update Construction Manual** **Task Group** Concrete **Subtask Group** Concrete Materials/QA

Target Completion 12/31/2012 **Number** 20 **Status** Active **Progress** **80 %** **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 Progress Section 4 subsections 16, 19, 49, 50, 19, 22, 24, 27, 28, 29, 41, 42, 53, 54, & 73 closed for review. Subject matter experts creating workplans and drafts for remaining section 4 subsections.

Activities Planned Revised Section 4 subsections posted for review and comments 72,74,80,81,82,84,85,86,94 & 95 at http://www.dot.ca.gov/hq/construc/constmanual/

Project Lead Chuck Suszko **Office** HQ Construction **Phone** (916) 227-7314 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Revise Sec 6 & 9 of Chapter 3 General Provisions	HQ Constr	12/1/2010	12/31/2012	80	80	
# 2	Revise Chapter 4 Construction Details	HQ Constr	12/1/2010	12/31/2012	80	80	
# 3	Revise Chapter 6 sampling and testing	HQ Constr	12/1/2010	12/31/2012	80	80	
# 4					0	0	
# 5					0	0	
# 6					0	0	
# 7					0	0	
# 8					0	0	

Log 12/23/11

Updates to the construction manual continue to be created and posted onto the Caltrans website. Work will be ongoing in the coming weeks.

11/22/11
Subject matter experts are currently creating workplans and drafts for the Section 4 subsections. Construction continues to develop and post updates online.

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.

08/07/12
Updated sections that are posted for review.

Project **Recycled Concrete Materials specification development** **Task Group** Concrete **Subtask Group** Concrete Materials/QA

Target Completion 6/30/2013 **Number** 22 **Status** Active **Progress** **50 %** **Rock Products Committee** YES

Purpose This activity aims to evaluate the possibilities of using recycled concrete (both hardened and plastic) for CT projects in minor concrete or LCB.

Overall Progress Draft Compilation Document received from Research Personnel on 6 Aug. Comments/Feedback to be compiled by 13 Aug. Status briefings to take place with CT and Industry personnel throughout Aug. Project Team MTG to occur in late-Aug 2012.

Activities Planned Project team meetings will be conducted to discuss the findings of the preliminary investigation.

Project Lead Deepak Maskey **Office** Structural Materials **Phone** 916-417-8371 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Develop Scoping Document and Work Plan	Materials	10/13/2011	3/1/2012	100	100	Scoping Document is in development by Industry
# 2	Evaluate performance-based specification options, as well as test method that allow for appropriate consideration	Materials	3/1/2012	4/1/2012	100	100	
# 3	Develop plan for how CT will evaluate ways to foster use of materials as appropriate	Materials	4/2/2012	8/1/2012	100	100	
# 4	Develop a draft specification	Materials	8/1/2012	12/1/2012	10	10	
# 5	Submit to Industry and to CT for feedback, and refine	Materials	12/1/2012	2/1/2013	0	0	
# 6	Finalize specification based on comments where appropriate	Materials	2/1/2013	6/30/2013	0	0	
# 7					0	0	
# 8					0	0	

Log 8/9/12

Draft Compilation Document received from Research Personnel on 6 Aug. Comments/Feedback to be compiled by 13 Aug. Status briefings to take place with CT and Industry personnel throughout Aug. Project Team MTG to occur in late-Aug 2012.

7/17/12

Scoping document finalized. Work plan is currently in the development phase. Focus is on minor concrete. Pavement TAP Preliminary Investigation (Lit Search) on this topic to take place in the coming months. Tm MTG set for August 2012.

7/3/12

The preliminary investigation is on-going. The report is due end of July. Updated scoping document for research was submitted to the task group for review and approval.

4/24/12

Scoping document finalized. Work plan is currently in the development phase. Focus is on minor concrete. Pavement TAP Preliminary Investigation (Lit Search) on this topic to take place in the coming months. Tm MTG set for early-May.

2/23/12

Scoping document drafted. Will be refined by project team. Work plan is currently in the development phase. Focus is on minor concrete. Pavement TAP to consider Preliminary Investigation (Lit Search) on this topic. Tm MTG set for late-Feb

1/23/12

Pavement TAP to consider Preliminary Investigation (Lit Search) on this topic. Team MTG set for late-Jan

1/17/12
Scoping document drafted. Will be refined by project team.

12/23/11
Scoping Document will be revised by project team and will reflect emphases on minor concrete. Questions regarding the target deadline for the activity, as well as the applicable end uses and an example case study, still need to be addressed. Industry is to also provide details on usage history in Minor Concrete in California. Pavement TAP may be used to explore state of the art practices for recycled concrete material. Focus is on minor concrete.

11/22/11
Scoping Document has been drafted as of this date and will distributed to the Task Group for review and approval in the coming weeks. Team members are currently being identified by Industry and the first project team meeting is scheduled for mid-Dec 2011.

10/20/11
This project was proposed at the October 13, 2011 TG meeting. The project team members are currently being identified by Industry. A project team meeting will take place in the near future to deliver the scoping document and detailed work plan.

Project **CRCP Design Details - Phase 2** **Task Group** Concrete **Subtask Group** CIP Concrete Pavement

Target Completion 12/31/2012 **Number** 23 **Status** Active **Progress** **80 %** **Rock Products Committee** YES

Purpose Prepare and improve CRCP std. plans and specs.

Overall Progress Addressed comments for pavement joint guidelines and sent to editor electronically for compilation with other guidelines 7/2. Made improvements and adding more details to CRCP standard plans P4, P13, P31A.

Activities Planned To develop CRCP construction on curves drawing, revised RSP P4, finiish addressing review comments on 7/31.

Project Lead Flor Bautista **Office** Concrete Pavement **Phone** 916-227-5843 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Guidance for end treatments and construction joint. Include design criteria rational for end treatments.	Conc Pvmt	11/1/2011	7/31/2012	100	105	6-29 comments addressed. sent to editor to compile with oyher guidance.
# 2	Develop guides for CRCP layout at intersections.include topic related to pavement opening which will be reviewd further.	Conc Pvmt	2/2/2012	10/30/2012	50	90	Addressing comments. Updated draft to be completed by 9/30.
# 3	Revise Standard Plans for updates.	Conc Pvmt	2/1/2012	10/31/2012	60	70	Ongoing redlines changes are being made. Draft for review delivered by 8/3. Comments back on 8/10 and updated draft to be completed by 8/30.
# 4	Evaluate alternative pvmt design softwares to HiperPave that can be used to predict early age cracking.	Conc Pvmt	1/25/2012	12/31/2012	65	60	Will develop workplan on using and choosing cadidate projects to use both software in CRCP construction by 8/30.
# 5	Review if exp jt is required at CRCP/approach slab terminal joint.	Conc Pvmt	2/1/2012	10/31/2012	90	70	The issue pertains to terminal joints Type E and Type D in P31A. Udated standard plan P31A.
# 6	Develop standard plans and guides for connection of various wide flange beam sizes.	Conc Pvmt	2/1/2012	10/31/2012	40	70	Draft drawing was developed based on CRCP project issue in District 10. Will make more improvements to the drawing for review by 8/30.
# 7	Guidance in achieving longitudinal reinforcement continuity at const jt Include when traffic must travel over const joint.	Conc Pvmt	2/1/2012	10/31/2012	40	70	Guidance to be updated. Will provide upadated draft by 9/30.
# 8	Monitor work performed on CRCP projects for any improvements to specs, std plans and guidance.	Conc Pvmt	1/1/2012	7/31/2012	60	105	A summary list of items needed for construction evaluation was submitted for internal review on 8/1. These are issues arising in Construction to identify necessary improvement to standard plans and specs.

Log 7/26 It was determined that expansion joint will not be placed at CRCP/approach slab but will maintain its position 35' from that location. Concurrence by tech lead was given. Revised standard plan P31A for clarity.
5/30 Intersection layout drawing was submitted for internal review.
4/16 to May 18- on vacation.
4/12 TxDOT expansion joint current practice was reviewed.
1/23 Update of construction joint, wide flange beam and pavement anchor terminals guidance is under internal review. Review includes design rationale table annd backup calcs.
1/25 Downloaded ConcreteWorks program as a tool to evaluate early age cracking of CRCP. Getting familiarize with the user manual and the same time making some test runs.

4/8 Met with Industry and national experts on 4/8/2011. Internal review the latest draft of the guide underway.
4/12 The following were submitted for internal review and comment.
1. Draft drawing of CRCP layout at intersection.
2. A review and evaluation of expansion joint requirements at bridge approach slabs.

3. Draft drawings showing two options on how to provide longitudinal reinforcements where CRCP opening is necessary for contractors use.
4. Draft drawing was developed for connecting diferent sizes of wide flange beam for use in CRCP with different thicknesses. This issu was discussed in CRCP workshop where Caltrans and Industry experts were present.
5. A review and summary of ConcreteWorks program. A tool that is alternative to HIPERPAVE to predict early age cracking. Program analyzes temperature pricdiction, max temperature, ASR susceptibilty and concret CO2 emission.

Project **Roller Compacted Concrete** **Task Group** Concrete **Subtask Group** CIP Concrete Pavement

Target Completion 6/30/2013 **Number** 24 **Status** Active **Progress** **0 %** **Rock Products Committee** YES

Purpose Create specifications, design procedures, and inspection guidelines, update HDM and create a trial project.

Overall Progress Draft special provisions are ready for implementing on trial project. Incorporated into 1 project iin District 7.

Activities Planned Continue to look for projects for including special provisions at time of bid.

Project Lead Doran Glauz **Office** Pavement Engineering **Phone** 916-227-5848 **E-FIS Project** **E-FIS Subtask Number**

Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1 Pilot Special provisions	Conc Pvmt	9/1/2012	4/30/2013	0	0	
# 2 Design Guidance for HDM	Conc Pvmt	1/1/2013	6/30/2013	0	0	
# 3 Revise draft nSSPs to SSPs	Conc Pvmt	4/30/2013	6/30/2013	0	0	
# 4				0	0	
# 5				0	0	
# 6				0	0	
# 7				0	0	
# 8				0	0	

Log 8/8/2012 - Entered need, status as SSPs are ready for impementing and entered the three deliverables. Entered resource demands to match the scoping document. Project with RCC is 07-252634, estimated ad date is September, 2012.

Project **Curing of PC PS Piles** **Task Group** Concrete **Subtask Group** Precast Concrete

Target Completion 7/1/2013 **Number** 25 **Status** Active **Progress** **95 %** **Rock Products Committee** YES

Purpose To clarify the Curing requirements for PC PS Concrete Piles to be placed in a Corrosive Environment.

Overall Progress Routing of the Specification updates for final approval taking place. Latest feedback from CT Legal received on 3 Aug; no issues reported. Project Team continues to answer questions related to final Spec as necessary.

Activities Planned Final Specification has been routed to all stakeholders.

Project Lead Jeremy Peterson-Self **Office** CT METS **Phone** 559-246-6335 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Review Current Specification Language	Materials	6/14/2012	7/31/2012	100	100	
# 2	Draft Updated Specification Language for Section 49	Materials	7/31/2012	9/1/2012	100	100	
# 3	Finalize Section 49 Language	Materials	9/1/2012	1/1/2013	100	100	
# 4	Route Specification for Final Approval	Materials	1/1/2013	7/1/2013	80	0	
# 5					0	0	
# 6					0	0	
# 7					0	0	
# 8					0	0	

Log 8/9/12

Routing of the Specification updates for final approval taking place. Latest feedback from CT Legal received on 3 Aug; no issues reported. Project Team continues to answer questions related to final Spec as necessary.

Project **Full Depth Reclamation Using Foamed Asphalt** **Task Group** Foundation **Subtask Group** Full Depth Reclamation

Target Completion 8/1/2012 **Number** 3 **Status** Active **Progress** **99 %** **Rock Products Committee** YES

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

Overall Progress Design Guidance is complete and posted on internet. SSP is published on 7-20-12.

Activities Planned Test Method completion target is 8-1-12.

Project Lead Paul Burdick **Office** Office of Pavement Engineering **Phone** 916 227 5441 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Test Method	Materials	7/1/2008	8/1/2012	95	100	METS finalizing and posting
# 2	Report and Guideline Recommendations	UCPRC	7/1/2008	3/30/2011	100	100	
# 3	Final Guidelines	Conc Pvmt	12/15/2010	2/28/2012	100	100	
# 4	Draft SSP to STG concurrence	Conc Pvmt	3/8/2011	3/9/2012	100	100	
# 5	FTG/Dist Review/Resolve comments	Conc Pvmt	3/9/2012	3/30/2012	100	100	
# 6	SSP published by OE	Conc Pvmt	4/1/2012	7/30/2012	100	100	
# 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 ravelleing of aggregate; --pdb

9/20/11: STG meeting delayed to 9-28 to de-brief Mod-299 project.--pdb

10/12/11: Comments period ended 10/5. Over 100 comments received. QC Plan requirements needed. Pre-op conference. Adding water. Require districts to perform coring to determine existing thickness profile. Design surveys. Smoothness.

11/14/11: SSP comments reviewed and addressed on 10/17/11, new draft circulated 11/3/11. STG meeting 11/29/11. New J. Peterson comments received 11/2/11.--pdb

12/12/11: Draft updated and sent to STG on 12-12-11. Asked for "fatal flaws," otherwise ready to move ahead to district/FTG review. Construction requests QC/QA guidance along with Construction field guidance. Test method requires serious revisions. And Design guidance.--pdb

Project **Pulverization** **Task Group** Foundation **Subtask Group** Treated Soils and Bases

Target Completion 10/30/2012 **Number** 4 **Status** Active **Progress** **80 %** **Rock Products Committee** YES

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

Overall Progress Comments received and documented. Developed Office responses 8-1-12, to be verified by STG at meeting on 8-15.

Activities Planned STG meeting Aug 15. SSP publishing target is October posting. Update guide and circulate to STG target 8-15-12.

Project Lead Paul Burdick **Office** Concrete Pavement **Phone** 916 227 5441 **E-FIS Project** **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	5/1/2012	100	100	Amarjit met with D-2 Construction personnel week of 4-1-12. No significant issues with the spec. Traffic handling and lack of surveys were problems.
# 3	Pulverization Guide Update	Conc Pvmt	2/1/2011	10/2/2012	65	90	Updating. Submit to STG at meeting Aug 15 for review.
# 4	SSP to FTG	Conc Pvmt	5/1/2012	9/6/2012	65	80	Draft circulated to STG on June 8, 2012. Target STG meeting for Aug 15 to resolve comments and finalize SSP.
# 5	SSP published by OE	Conc Pvmt	9/6/2012	10/30/2012	0	0	
# 6					0	0	
# 7					0	0	
# 8					0	0	

Log 8/31/2010: D2 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
10/14/11: Deliverable target dates shortened by 3-4 months per management request.

Piloting updated nSSP in 3 projects. Status 10/13/11: (02-3E0404,02-SIS-161-4.5/7.0 55% complete); (02-3E0504, 02-PLU,LAS 147-PM 9.1/9.9,0.0/0.5, 1.1/1.8 95% complete); (01-463304,01-HUM-96-0.62 80% complete).

10/14/11: Deliverable target dates shortened by 3-4 months per management request.

4/20/12: Amarjit met with D-2 Construction personnel in early April. At FTG meeting, posting date target set for October posting.--pdb

Project **Concrete Base** **Task Group** Foundation **Subtask Group** Treated Soils and Bases

Target Completion 10/30/2012 **Number** 5 **Status** Active **Progress** **90 %** **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 Progress Submitted to OE for Mandatory Stakeholder concurrence on 8-9-12. Due 8-23-12.

Activities Planned Resolve any OE comments and request Construction's concurrence by 8-30-12.

Project Lead Paul Burdick **Office** Concrete Pavement **Phone** 227-5441 **E-FIS Project** **E-FIS Subtask Number**

Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 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	11/16/2011	100	100	
# 3 Submit for general review	Conc Pvmt	11/16/2011	5/18/2012	100	100	
# 4 Resolve general review comments	Conc Pvmt	5/18/2012	7/3/2012	100	100	
# 5 Submit for TG concurrence	Conc Pvmt	7/3/2012	8/8/2012	100	100	Sent e-mail informing TG of plans to move forward with Mandatory Stakeholder concurrence on 8-8-12.
# 6 Finalize and publish	Conc Pvmt	9/1/2012	10/30/2012	0	0	Deadline for submittal to OE is 10-1-12.
# 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
10/12/11: Reviewed comments with Doran and Deepak. Developed responses and documentation underway, then redraft spec.--pdb
11/14/11; Redrafted spec nearly complete. Target for circulate for "general" review (e.g. DME's, Dist Maint. Engineers) is 11-30 (depends on LCBRS).--pdb
12-13-11: Drafts nearly ready for circulation, target 12/16/11.--pdb

Project **Rapid Setting Lean Concrete Base** **Task Group** Foundation **Subtask Group** Treated Soils and Bases

Target Completion 10/30/2012 **Number** 6 **Status** Active **Progress** **90 %** **Rock Products Committee** YES

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

Overall Progress Submitted to OE for Mandatory Stakeholder concurrence on 8-9-12. Due 8-23-12.

Activities Planned Resolve any OE comments and request Construction's concurrence by 8-30-12.

Project Lead Paul Burdick **Office** Concrete Pavement **Phone** 227-5441 **E-FIS Project** **E-FIS Subtask Number**

Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 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	11/16/2011	100	100	
# 3 Submit for general review	Conc Pvmt	11/16/2011	5/18/2012	100	100	
# 4 Resolve general review comments	Conc Pvmt	5/18/2012	7/30/2012	100	100	
# 5 Submit to TG for concurrence	Conc Pvmt	7/3/2012	8/8/2012	100	100	Sent e-mail informing TG of plans to move forward with Mandatory Stakeholder concurrence on 8-8-12.
# 6 Finalize and Publish Spec	Conc Pvmt	9/1/2012	10/30/2012	0	0	Deadline for submittal to OE is 10-1-12.
# 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 resistence 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
10/12/11: Reviewed comments with Doran and Deepak. Developed responses and documentation underway, then redraft spec.--pdb
11/14/11: Comments resolved from circulation. New comments from recent project's bidder inquiry. Target "general" circulation is 11/30/11--pdb.
12-13-11: Drafts nearly ready for circulation, target 12/16/11.--pdb

Project **Geogrid** **Task Group** Foundation **Subtask Group** Geosynthetics

Target Completion 10/20/2012 **Number** 7 **Status** Active **Progress** **97 %** **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 Progress Final draft materials specification Section 88 is complete. Specification 26 is sent to mandatory stake holders for concurrence. Edited draft Guide will be available by 8/30/2012.

Activities Planned Isuue petaining to the construction targeted to resolve by 7-15-2012. Once that is done the guide will be updated and finalized. Target date for publication is October 20, 2012.

Project Lead Deepak Maskey **Office** Concrete Pavement and Foundations **Phone** 916 227 5442 **E-FIS Project** **E-FIS Subtask Number**

Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1 Specifications	Conc Pvmt	9/1/2011	10/20/2012	97	85	Materials specifications Section 88 is complete. Section 26 specification is sent for mandatory stake holders' for concurrence.
# 2 Test Method	Mets	9/1/2011	6/30/2012	100	100	Complete.
# 3 Guidelines	Conc Pvmt	9/1/2011	7/25/2012	95	105	Reviews and Comments from Districts and additional comments from Industry have been received and addressed. Guide is updated to comply with new edits in specification Section 26 and will be available by 7/25/2011.
# 4				0	0	
# 5				0	0	
# 6				0	0	
# 7				0	0	
# 8				0	0	

Log

5/25/2012:
-Final draft specifications are sent to mandatory stake holders for concurrence.
-Additional edits on Guide are in progress and will be complete by 5/30/2011.
6/26/2012:
-Issue on imported borrow and requirement of filter fabric application is resolved and need to insert language in Section 19, Imported borrow specification.
-Office Engineer is to reinsert language for application of filter fabric in Section 26 specification depending on types of subgrade materials.
-Materials specification 88 is complete.
-Guide is edited to incorporate new edits in specifications.
7/2/2012:
-Waiting for Section 19, Imported Borrow SSP.
-Section 26-1 SSP is edited and ready to resend for mandatory stakeholder's concurrence as a package with section 19.
-Updating of guide is delayed with Section 19. Expected to complete by 7/25/2012.

Project **Full Depth Reclamation -- Cement** **Task Group** Foundation **Subtask Group** Full Depth Reclamation

Target Completion 7/30/2013 **Number** 8 **Status** Active **Progress** 0 % **Rock Products Committee** YES

Purpose Develop a package of guidance, specifications, and test methods for Full Depth Reclamation using cement additive (FDR-C).

Overall Progress Requested literature search request format from DRI. Request target 8-8-12.

Activities Planned Literature search complete by 10-1-12.

Project Lead Paul Burdick **Office** Pavements **Phone** 227-5441 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Test Method	Materials	7/1/2012	7/30/2013	0	10	
# 2	Develop draft Design Guidelines	Conc Pvmt	7/1/2012	10/1/2012	0	50	
# 3	FTG/Dist Review/Resolve comments for Design Guidelines	Conc Pvmt	7/1/2012	9/30/2012	0	50	
# 4	Draft SSP to STG concurrence	Conc Pvmt	10/1/2012	11/1/2012	0	0	
# 5	FTG/Dist Review/Resolve SSP comments	Conc Pvmt	11/1/2012	1/1/2013	0	0	
# 6	SSP published by OE	HQ Constr	1/1/2013	1/30/2013	0	0	
# 7	Construction guidance	HQ Constr	11/1/2012	1/30/2013	0	0	
# 8					0	0	

Log

Project **Full Depth Reclamation -- Emulsion** **Task Group** Foundation **Subtask Group** Full Depth Reclamation

Target Completion 7/30/2013 **Number** 9 **Status** Active **Progress** 0 % **Rock Products Committee** YES

Purpose Develop a package of guidance, specifications, and test methods for Full Depth Reclamation using asphaltic emulsion additive (FDR-E).

Overall Progress Requested literature search request format from DRI. Request target 8-8-12.

Activities Planned Literature search complete by 10-1-12.

Project Lead Paul Burdick **Office** Pavements **Phone** 227-5441 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Test Method	Materials	1/1/2013	1/30/2013	0	0	
# 2	Develop draft Design Guidelines	Conc Pvmt	1/1/2013	3/1/2013	0	0	
# 3	FTG/Dist Review/Resolve comments for Design Guidelines	Conc Pvmt	3/1/2013	6/30/2013	0	0	
# 4	Draft SSP to STG concurrence	Conc Pvmt	1/1/2013	3/1/2013	0	0	
# 5	FTG/Dist Review/Resolve SSP comments	Conc Pvmt	3/1/2013	7/1/2013	0	0	
# 6	SSP published by OE	HQ Constr	7/1/2013	7/30/2013	0	0	
# 7	Construction guidance	HQ Constr	4/1/2013	7/30/2013	0	0	
# 8					0	0	

Log

Project **Lean Concrete Base Testing** **Task Group** Foundation **Subtask Group** Treated Soils and Bases

Target Completion 4/20/2013 **Number** 10 **Status** Active **Progress** 0 % **Rock Products Committee** YES

Purpose Contractors become responsible for mix design for LCB, including evaluation of proposed aggregates through strength testing.

Overall Progress No work in July

Activities Planned METS to research testing options and schedule STG meeting for end of August or early September to present recommendations.

Project Lead Rosme Aguilar **Office** METS **Phone** **E-FIS Project** **E-FIS Subtask Number**

Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1 Research -- Identify Test Procedures 1. Costs for Translab? 2. Expected increase in bids for the item? 3. Independent Labs capable?	Materials	8/1/2012	9/1/2012	0	40	
# 2 Develop spec revisions	Conc Pvmt	9/1/2012	10/1/2012	0	0	
# 3 Review revisions in STG	Materials	10/1/2012	10/21/2012	0	0	
# 4 Document comments, resolve issues, and update spec	Conc Pvmt	10/21/2012	11/1/2012	0	0	
# 5 General review in Districts, FTG	Materials	11/1/2012	12/1/2012	0	0	
# 6 Document comments, resolve issues, and update spec	Conc Pvmt	12/1/2012	3/1/2013	0	0	
# 7 Mandatory Stakeholder review	Conc Pvmt	3/1/2013	4/1/2013	0	0	
# 8 Publish	OE	4/1/2013	4/20/2013	0	0	

Log

Project **Compensation for Ordered Increases in Additives** **Task Group** Foundation **Subtask Group** Stabilized Bases

Target Completion 1/30/2013 **Number** 11 **Status** Active **Progress** 0 % **Rock Products Committee** YES

Purpose Develop specifications for compensation of additional costs for ordered increases in stabilizing additive for soil stabilization projects beyond the theoretical amount.

Overall Progress A brief construction cost difference on subgrade stabilization for application of 4% and 6% of cement is provided by industry.

Activities Planned Obtain detail itemized construction cost for 4% and 6% applications of cement for subgrade stabilization. Get name of Industry Co-Chair for Treated Soils and Bases Subtask Group.

Project Lead Marco Estrada **Office** Industry **Phone** **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Develop presentation for FTG including proposed specifications	Industry	7/1/2012	9/27/2012	0	50	
# 2	FTG reviews presentation, comments	Industry	9/27/2012	9/27/2012	0	0	
# 3	Update presentation	Industry	9/27/2012	10/27/2012	0	0	
# 4	Presentation to RPC	Industry	10/27/2012	10/27/2012	0	0	
# 5	Mandatory Stakeholder review	Conc Pvmt	10/27/2012	11/15/2012	0	0	
# 6	Document comments, resolve issues, update spec	Conc Pvmt	11/15/2012	1/1/2013	0	0	
# 7	Publication	OE	1/1/2013	1/30/2013	0	0	
# 8					0	0	

Log 8-2-2012: Tentative construction cost for application of 4% and 6% of cement I subgrade stabilization is received.

Project **Cold In-Place Recycling** **Task Group** Preservation **Subtask Group** Recycling

Target Completion 10/1/2012 **Number** 3 **Status** Active **Progress** **45 %** **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 Progress The Group has met four times (last, 1-13-2012) to address; Specification, Mix design, Smoothness, Project Selection, Addition of Cement, and Cores vs. Milling issues. A task order has been written for Pavement Recycling Center to investigate problem areas

Activities Planned Specs will be updated to address CT and Industry recent comments. LP-8 will be updated to follow METS test method guidelines and to reflect changes/modifications.

Project Lead Hamid Moussavi **Office** Asphalt Pavement **Phone** 916-274-6176 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Evaluate existing pilot projects (21 projects)	Asphalt	8/26/2011	10/1/2012	75	90	
# 2	Develop standard special provisions	Engr	1/1/2012	10/1/2012	70	85	
# 3	Standardize test methods/ lab procedures	Mets	9/1/2011	10/1/2012	50	90	
# 4	Develop guidelines/ MTAG update	Chico	1/1/2012	10/1/2012	0	85	
# 5	Evaluate existing pilot projects in Southern region, Pavement Recycling Center at Cal Poly, Pomona (6 projects)	Cal Poly Po.	9/1/2011	10/1/2012	60	90	
# 6					0	0	
# 7					0	0	
# 8					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, including; mix design, smoothness, project selection, addition of cement, and cores vs. milling.
12/15/2011 Cal Poly has completed most of the sampling and testing of the above six CIR projects. The next Sub Task Group meeting is scheduled for 1-13-2012.
1/13/2012 Sub Task Group met in Cal Poly Pomona and continued discussions on how to improve the use of CIR technique. Industry will submit their position on a few issues to Caltrans by January 31, 2012. The outstanding issues are:
- Addition of cement, industry to submit their position
- LP-8, Industry's proposal is under review by METS
- Distillation vs. Evaporation test to determine emulsion residue, under review by METS
- Accredited lab & test results turnaround time, industry to submit their position
- Small repairs, industry to submit their position
- Smoothness, industry to submit their position
- addition of water (too much) will be further discussed

6/8/12 Sub Task Group met in Cal Poly Pomona to discuss changes/modifications to the specs
6/12/12 Specs was send to CT & Industry for review

Project **Fog Seal** **Task Group** Preservation **Subtask Group** Seals & Coats

Target Completion 12/1/2013 **Number** 4 **Status** Active **Progress** **70 %** **Rock Products Committee** YES

Purpose Investigating Fog Seal/Rejuvenator materials for skid resistance issues and introducing as a strategy again

Overall Progress Specs developed. "Materials in Place" contracts formalized.

Activities Planned Evaluated "Materials in Place" and revise specifications.

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

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Develop project scope and identify deliverables	Asphalt	11/1/2005	5/4/2007	100	100	Completed. 5/4/07
# 2	Construct and monitor test sections with material testing	Chico	6/1/2007	10/31/2012	94	95	Draft report completed. Gathering data on maintenance projects scheduled for July-October 2012.
# 3	MTAG Update	Asphalt	9/1/2008	4/1/2010	100	100	Completed MTAG update for State Forces 4/10/10
# 4	Develop Draft Specifications (NSSP)	Asphalt	10/1/2011	10/31/2012	50	80	Finalize NSSP after gathering testing results from maintenance projects.
# 5	Identify, fund and construct pilot projects using NSSP	Asphalt	1/2/2012	10/1/2012	10	85	Initial data will be gathered from maintenance projects.
# 6	Review Draft NSSP performance. Revise NSSP as necessary. Update and approve SSP.	Asphalt	12/1/2012	2/1/2013	0	0	
# 7	Training and Outreach including MTAG	Asphalt	3/1/2013	12/1/2013	0	0	
# 8					0	0	

Log 4 sets of test section have been done.
The subtask group needs to draft their proposed specification
1/13/11, lrouen 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 Committte is 7/7/11, DM
9/6/11-Cores for testing were delivered to APART on 7/8/11, DM

10/12/11-Draft Report on test sections delivered to Caltrans, still waiting for skid test results and some additional pavement tests for report to be complete. Doug will check with districts to see if request for skid test was placed and status. DM

10/13/11-Fog Seal meeting held 10/13/11. Proceeding with a generic specification. Subtask group will meet 10/24/11 to review and finalize generic test requirements for each category type. 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 PM 118.47 to 120.58 Northbound #2 Lane - District 9

11/23/11-Subtask group met 10/24/11 to finalize final test requirements for the development of the generic spec. John Fox will type up the first draft for the committee to review and comment on. Doug will send out once converted to plain language format.DM

Project **Rubberized Slurry Seal** **Task Group** Preservation **Subtask Group** Specifications

Target Completion 12/30/2013 **Number** 5 **Status** Active **Progress** 35 % **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 Progress Evaluated D6 and D11 projects. Updated reports.

Activities Planned Further development of nSSP required to try to account for REAS strategy. Finalize report.

Project Lead Douglas Mason **Office** Pavement Management **Phone** 916-227-6058 **E-FIS Project** **E-FIS Subtask Number**

Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1 Create NSSP	Asphalt	6/1/2009	10/31/2012	60	95	Was completed but revising to include attempt to account for REAS strategy.
# 2 Construct D-11 Test Section	District	2/15/2011	7/29/2011	100	100	Completed
# 3 Evaluation of D11 project site	Chico	8/1/2011	8/1/2013	50	50	Plan to visit in Summer/Fall 2012.
# 4 Construct D6 Test Section	District	7/1/2011	12/1/2011	100	100	Construction completed
# 5 Evaluation of D6 project site	Chico	12/1/2011	8/1/2013	0	40	Evaluated June 2012. Update report.
# 6 SSP	Asphalt	1/1/2012	12/30/2012	0	60	Attempting to develop spec with language to account for REAS strategy.
# 7 MTAG Guidelines	Chico	1/1/2012	12/30/2013	0	30	
# 8				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 Committte 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

10/13/11-District-11 pilot project completed in September and initial evaluation by CP2C has performed. D6 test site location has been modified to include the entire project lane miles since the construction of the test sections went so well and the District was happy with the results. The draft of the NSSP is being converted to plain language format prior to being sent out to committee members. Next meeting is tentatively scheduled for 10/24/11 if format is complete. DM

11/23/13-Draft copy of plain language format of rubberized slurry seal sent out 11/08/11f to Task group members for review. Next scheduled meeting wie will go over comments received and finalize for use.DM

Project **Modified Binder Chip Seal (PM/TR)** **Task Group** Preservation **Subtask Group** Specifications

Target Completion 10/31/2012 **Number** 6 **Status** Active **Progress** **35 %** **Rock Products Committee** YES

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

Overall Progress Previous project locations have been uploaded to CP2C innovation database for a history of use. SSP will be circulated for final review and posted 10/31/2012

Activities Planned Review data and projects identified in database.

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

Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1 Develop NSSP	Asphalt	12/1/2008	12/1/2010	100	100	Done
# 2 Evaluation Report	Chico	10/1/2010	10/31/2012	20	90	Limited data. Will develop plan to evaluate a few projects in database.
# 3 Complete final SSP	Asphalt	7/1/2011	10/31/2012	25	85	Under Development
# 4 Update Guidelines	Chico	3/1/2011	10/19/2012	0	90	
# 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, lrouen, 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 Committte 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
10/13/11, Industry has uploaded previous project locations of State, County and Local Agencies projects utilizing the Modified binder chip seal for historic information. Caltrans needs to evaulate performance of site locations. DM
11/23/11, Held general meeting 11/14/11, have not held a focused subtask meeting on this. At general meeting, decision was to look into this next year as we finsh off the rubber slurry, sand and fog & rejuvenator specs.DM

Project **Scrub Seal** **Task Group** Preservation **Subtask Group** Seals & Coats

Target Completion 9/3/2013 **Number** 7 **Status** Active **Progress** 10 % **Rock Products Committee** YES

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

Overall Progress No progress.

Activities Planned Task will be put on hold due to limited resources.

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

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	NSSP/Update Workplan	Asphalt	6/1/2009		35	0	End date to be determined.
# 2	Evaluation of previous Test Section- Rte 178 in District 9	Chico	6/1/2011	9/30/2012	0	90	Monitoring continuing. Report updated and in review/comment phase.
# 3	Identify, fund and construct test sections in Coastal, Valley. Mountain, Desert	District	6/1/2011	9/1/2012	0	95	
# 4	Evaluation	Chico	9/3/2012	9/3/2013	0	0	
# 5	Update MTAG	Chico	9/3/2012	3/31/2013	0	0	
# 6	Develop and Finalize SSP	Asphalt	9/3/2012	4/1/2013	0	0	
# 7					0	0	
# 8					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
10/13/11, Updated Status, focused scrub seal meeting held 10/13/11. Draft NSSPs delivered to Caltrans. Need to convert to plain language format and get final emulsion test requirements that should be covered in 10/24/11 meeting. DM
11/23/11-Conversion of specification to plain language format in process. Joint sub task group meeting with fog seal group held on 10/24/11 to finalize test requirements between industry for generic spec. Doug will send 1st draft bersion to committee members when available.DM

Project **Warm Mix Asphalt Rubber Chip Seal** **Task Group** Preservation **Subtask Group** Seals & Coats

Target Completion 8/31/2012 **Number** 8 **Status** Active **Progress** **70 %** **Rock Products Committee** YES

Purpose Introduce WMA technology into asphalt rubber chip seal strategies.

Overall Progress Pilot project in District 7 on Ven 150 placed and evaluated by Chico State.

Activities Planned Finalize D7 report.

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

Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 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	6/30/2012	100	100	Chico perfromed evaluatoin during placement and annual follow-up.
# 4 Evaluation Report	Chico	7/1/2011	8/31/2012	0	95	Review/comment phase.
# 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, lrouen, revised Pys and target dates.
2/14/11, Rewrite purpose and need, PJV
6/25/11-Next General Meeting of Seal Coat Committte is set for 7/7/11, DM
10/13/11, Held general meeting 7/7/11, have not held a focused subtask meeting due to construction season and availabilty of industry members. DM
11/23/11, Held general meeting 11/14/11, have not held a focused subtask meeting on this. At general meeting, decision was to look into this next year as we finsh off the rubber slurry, sand and fog & rejuvenator specs.DM

Project **Joint Sealing** **Task Group** Preservation **Subtask Group** Concrete Repairs

Target Completion 12/1/2012 **Number** 9 **Status** Active **Progress** **60 %** **Rock Products Committee** YES

Purpose Sealing or resealing transverse concrete pavement joints may not be necessary or cost effective for all climate zones in California.

Overall Progress 6/25/2012 Internal review of the standard plan and specification completed. 7/9/12: Draft specifications submitted to OE for review

Activities Planned Review specs. & plans by Aug. 31, 2012.

Project Lead Linus Motumah **Office** Concrete Pavement **Phone** 916-227-5816 **E-FIS Project** **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	3/1/2012	100	100	Report was finalized on 6/1/2012.
# 2	Review and analyze existing manuals and guidance	Conc Pvmt	9/15/2011	5/1/2012	100	100	Existing manuals, guidance, and recent research work were reviewed.
# 3	Develop Policy	Conc Pvmt	11/17/2011	4/24/2012	100	100	The policy is completed.
# 4	Develop standard plans after subtask group circulation of final document approval	Conc Pvmt	11/17/2011	9/1/2012	55	95	Submit plans to Office Engineer for formatting and review by 7/9/2012. Have plans ready for STG review by Aug. 1, 2012.
# 5	Develop standard specifications after subtask group circulation of Final document approval	Conc Pvmt	11/17/2011	9/1/2012	55	95	Submit spec. to Office Engineer for formatting and review by 7/9/2012. Have specs. ready for STG review by Aug. 1, 2012.
# 6	Develop final HDM	Conc Pvmt	4/24/2011	9/1/2012	55	95	Draft of revised HDM was submitted on 5/14/2012 to editor.
# 7	Update the MTAG	Conc Pvmt	8/1/2012	12/1/2012	0	10	
# 8						0	

Log 3/23/11--Updated deliverables and dates.
4/08/11--Teleconference was held to discuss test section work plan developed by Industry. Industry to expect comments and incorporate them in the work plan.
6/02/11--Teleconference to discuss what will 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 target circulation 8/1/11
7/20-11--Project work plan sent to Industry for comments.
8/30/11- Final draft Caltrans joint sealing practice report target 2/15/12.
9/19/11--Industry was informed that Caltrans can not commit any testing or monitoring resources beyond the annual APCS.
10/3/11--Industry does not want test sections without detailed analysis. Rough draft of Section 41 update under development.
10/12/11--Draft standard plans under development.
10/13/11--Modified work plan with no test sections developed.
11/8/11--Work on plan and database updated, schedule revised.
11/17/11-Work on Caltrans policy, Standard specification, and HDM.
12/09/11-Caltrans policy, standard specification, Standard plans, and HDM are under internal review.
1/25/2012-Caltrans/Industry joint sealing field review report was sent out for review.
3/1/2012-Caltrans/Industry joint sealing field review report was finalized.
On 4/12/2012 a meeting was held between Caltrans and industry to examine information about new materials for joint sealing. Draft of standard plans, specifications, and HDM are being internally reviewed.
5/14/2012 HDM changes has been drafted, Standard Specification, and plan are 50% complete.
5/30/2012 An additional 2 month is added to the project schedule due to several changes of personnel.
6/25/2012 Submit spec. & plans to Office Engineer for formatting and review by 7/9/2012.
7/9/12: Draft specs submitted to OE for initial review & comments

Project **Concrete Spall Repair** **Task Group** Preservation **Subtask Group** Concrete Repairs

Target Completion 5/3/2013 **Number** 10 **Status** Active **Progress** **35 %** **Rock Products Committee** YES

Purpose Develop specific standardized guidelines, specs, plans, and training for constructing partial depth spall repairs with alternative materials.

Overall Progress Draft standard plan and updated standard spec ready for general circulation. CT and industry comments incorporated. Scoping doc and workplan reformatted to new RPC format.

Activities Planned General circulation with other Section 41 revisions to OE, districts, and industry by end of August. Coordinate with METS on QPL.

Project Lead Robert Hogan **Office** Concrete Pavement **Phone** 916-227-5840 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Scoping document	Conc Pvmt	7/1/2011	7/30/2012	100	100	Draft scoping doc revised per state pavement engineer. Awaiting signed copy.
# 2	Workplan	Conc Pvmt	8/31/2011	7/30/2012	100	100	Draft work plan revised per state pavement engineer. Awaiting signed copy.
# 3	Develop pre-qualified products list for concrete patching materials	Materials	1/1/2012	12/31/2012	5	60	Met with METS 5/2/12 and agreed on scope, schedule, and resources.
# 4	Standard plans for spall repair and associated spec changes	Conc Pvmt	3/1/2012	9/4/2012	85	85	Draft standard plans ready for general circulation.
# 5	Update standard spec for pavement spall repair for material properties	Conc Pvmt	11/1/2012	3/1/2013	0	0	Incorporate materials updates for pre-qualified products list.
# 6	Update spall repair guidance - MTAG	Conc Pvmt	2/4/2013	5/3/2013	0	0	Revise MTAG for new standard plan, spec, design, and construction practice changes
# 7					0	0	
# 8					0	0	

Log 5/8/12 - revised data for new scope and workplan.
2/28/12 - updated status. Workplan being reassessed.
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, lrouen, updated targets and pys
2-28-11, verified pys. Lrouen

Project **Full Depth Concrete Repair (Slab Replacement)** **Task Group** Preservation **Subtask Group** Concrete Repairs

Target Completion 9/15/2012 **Number** 11 **Status** Active **Progress** **70 %** **Rock Products Committee** YES

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

Overall Progress RSS for ISR, DBB and RUB are included in the package for revision of section 41 which is sent to HQ-OE for language and conformation review. The package was sent on Monday July 22nd, 2012.

Activities Planned Beginning Mid August plan to have review by Caltrans construction, district and industry

Project Lead Cornelis Hakim **Office** Concrete Pavement **Phone** 916-227-5436 **E-FIS Project** **E-FIS Subtask Number**

	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	100	100	Guidelines sent back consultant and being incoporated into Web Course. Finished 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	8/10/2011	8/30/2012	35	100	6/28/12 sent 2010 RSS for ISRRSC to HQ-OE for initial review. 7/23/12 Sent another complete package of section 41 to HQ-OE
# 5	Finalize new SSP	Conc Pvmt	8/31/2012	9/15/2012	0	15	
# 6	Update guidelines to reflect SSP changes	Conc Pvmt	9/1/2011	3/31/2012	100	100	Guidelines updated
# 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.

#12 12/1 Begin tabulate coment and response
#13 1/9/12 Receive comment from construction for RUB (Replace Underlying Base).
#14 2/25/2012 Continue tabulate response and comment. Discussed language changes with HQ-OE
#15 5/1/12 Send 2010 RSS for RUB and DBB to HQ-OE.
#16 5/30/12 Check with OE for status of RUB and DBB review, complication of RUB replace item is being discussed.
#17 6/29/12 RSS for ISRRSC (2010) is being reviewde by HQ. All comments, 2010 SSP and 2006 NSSP have been incoporated in to the RSS. Items such as DBB, RUB and joint seal have been separated or taken out.
#18 7/23/12 Updated combined section 41 sent to HQ-OE for complete review.

Project **Chip Seal Just In Time Training (JITT)** **Task Group** Preservation **Subtask Group** Training

Target Completion 8/30/2012 **Number** 12 **Status** Active **Progress** **98 %** **Rock Products Committee** YES

Purpose Train CT and contractor personnel on Chip Seal construction.

Overall Progress Training Module completed. Developing prepaving meeting specification to include training element. SSP publication is targeted for the July posting.

Activities Planned Review of proposed spec changes, check list, and training module by HQ Construction. Location of website; Review by OE

Project Lead Peter Vacura **Office** Asphalt Pavement **Phone** 916-274-6194 **E-FIS Project** **E-FIS Subtask Number**

Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 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	8/30/2012	85	95	Develop Prepaving specifications to account for a strategy checklist, training, project specific issues. Proposal in lieu of JITT
# 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, lrouen, info up to date
4/25/11 - Status Update, SR

Project **Micro-Surfacing JITT** **Task Group** Preservation **Subtask Group** Training

Target Completion 8/30/2012 **Number** 13 **Status** Active **Progress** **98 %** **Rock Products Committee** YES

Purpose Train CT and contractor personnel on micro-surfacing construction

Overall Progress Training Module completed. Developing prepaving meeting specification to include training element. SSP publication is targeted for the July posting.

Activities Planned Review of proposed spec changes, check list, and training module by HQ Construction. Location of website; Review by OE

Project Lead Peter Vacura **Office** Asphalt Pavement **Phone** 916-274-6194 **E-FIS Project** **E-FIS Subtask Number**

Deliverable or Task		Office	Start Date	End Date	Complete %	Elapsed %	Status
# 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	8/30/2012	85	95	Develop Prepaving specifications to account for a strategy checklist, training, project specific issues. Proposal in lieu of JITT
# 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 Group** Preservation **Subtask Group** Concrete Repairs

Target Completion 12/31/2012 **Number** 14 **Status** Active **Progress** **65 %** **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 Progress Sac 50 and SD 5 pilot projects completed. SJ 99 started on June 25 with UCPRC testing done June 26 & 27. Third year Rigid QPR report submitted by UCPRC on July 13. Review deadline August 24, 2012.

Activities Planned UCPRC has not yet provided field test results for all ongoing and completed NGCS pilot projects. Both June and July deadlines were missed.

Project Lead Linus Motumah **Office** Concrete Pavement **Phone** 916-227-5851 **E-FIS Project** **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	
# 3	Finalize rigid QP research first and second year report.	UCPRC	7/1/2010	10/31/2011	100	100	Final report published and signed by UCPRC and Caltrans.
# 4	Complete rigid QP research third year data collection & report.	UCPRC	7/1/2010	8/30/2012	80	95	UCPRC submitted draft report on July 13.
# 5	Complete rigid QP research fourth year data collection & report.	UCPRC	7/1/2011	10/31/2012	15	85	Data collection began in July 2011 and is continuing.
# 6	Evaluation of OBSI and texture characteristics of NGCS pilot test sections.	UCPRC	5/1/2011	12/31/2012	60	75	Sac 50 and SD 5 nearing completion. SJ 99 started on June 25, 2012.
# 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	100	100	Development of work plans by UCPRC in collaboration with Pavement Program completed.
# 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"	Springng 2012. COMPLETED
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"	C COMPLETED
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"n". G NGCS started on Dec 11, complete by Dec 16, 2011. COMPLETED
3	2F040	Sac	80	12.4 18.0	"EB: PM 12.79 to 17.56 WB: PM 12.91 to 18.00"	N/A	START Feb 2012 COMPLETED mid-May
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/Fall 2012
10	0V870	SJ	99	NB PM 29.0 NB PM 30.8	NB: PM 29.0 to 30.8	N/A	Summer/Fall 2011 Summer 2012. ONGOING
11	07760	SD	5	R36.35 R37.35	"NB from PM R36.35 to R37.35 SB from PM R37.35 to R36.35"		

CDG Completed in 2011 - different contract. NGCS pilot project completed June 2012. COMPLETED

SUMMARY
1) NGCS on Sac I-5 COMPLETED.
2) NGCS Sac I-80 started Feb 6, 2012, COMPLETED mid-MAY 2012.
3) NGCS Sd I-5 started completed June 2012; after tests in July.
4) SJ 99 started on June 25; UCPRC performed initial tests on June 26 & 27.
5) UCPRC has not yet submitted field test results for all completed NGCS pilot projects; June & July deadlines missed.

Project **DBR polyester backfill** **Task Group** Preservation **Subtask Group** Rigid Pavement

Target Completion 1/31/2013 **Number** 15 **Status** Active **Progress** **55 %** **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 less suseptible to degradation during the construction process

Overall Progress Coring Retrofit project on US 50 completed July 10-12.

Activities Planned cores will be evaluated by Chico during August andearly September.

Project Lead Doran Glauz **Office** Concrete Pavement **Phone** 916-227-5436 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Peform Year 1 review of Sac 50 DBR project	Chico	9/1/2011	3/31/2012	100	100	Field review completed January 18. FWD data and impact echo NDT data analysis complete.
# 2						0	
# 3	FWDs, cores and test	Materials	7/5/2011	8/5/2012	85	100	Field testing completed Jan 18. Core removal done in 2nd week of July
# 4	initial report	Chico	1/25/2012	4/20/2012	100	100	Impact echo testing report complete. Visual examination report 80% complete. MIRA report complete. Initial field review report complete
# 5	Update nSSP from lessons learned	Conc Pvmt	3/1/2012	9/1/2012	90	90	Circulate draft to interested parties in June.
# 6						0	
# 7	Evaluate if spec should be standard	Conc Pvmt	1/1/2013	1/31/2013	0	0	
# 8	Update existing specification, std backfill	Conc Pvmt	2/15/2012	8/15/2012	80	95	Draft incorporated into revision of section 41.

Log 2/12 - Field review and NDT conduducted on Jan 17 and 18. 4 NDTs conducted on 25 joints at DBR w/o overlay and at grind only sites. Visual evaluation at ovelay locations shows the new HMA overlay is in good condition with an area of segregation.
11/23/11 - Additional work of NDT by accoustic pulse testing is approved.
10/14/11 - Plan for evaluation is field evaluation will be performed at year 1, 3, and 5 by visiual and FWD. Other NDT may also be performed.
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, lrouen, update deliverables and target dates
2-28-11, lrouen. No updates
1/12/11, Lrouen, 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.

Project **Concrete sealer/hardener** **Task Group** Preservation **Subtask Group** Concrete Repairs

Target Completion 7/1/2017 **Number** 16 **Status** Active **Progress** 5 % **Rock Products Committee** YES

Purpose Reduce traffic related abrasion and chloride related deterioration of concrete pavement exposed to extreme conditions.

Overall Progress Sumbitted scoping doc for RPC approval on 7/9/12. Developing work plan and nSSP for test sections. Meeting with CP2 and industry to discuss pilot projects scheduled for 8/1/12.

Activities Planned Scoping doc approval, finalize work plan for test sections, and coordinate with District 3 on pilot projects for 2012 construction season.

Project Lead Robert Hogan **Office** Concrete Pavement **Phone** 916-227-5840 **E-FIS Project** **E-FIS Subtask Number**

	Deliverable or Task	Office	Start Date	End Date	Complete %	Elapsed %	Status
# 1	Cost analysis and nSSP	Conc Pvmt	7/2/2012	9/3/2012	50	0	
# 2	Pilot projects	District	7/30/2012	10/1/2012	0	0	Identify and develop projects
# 3	Test plan	Conc Pvmt	7/25/2012	9/3/2012	0	0	CP2 Center draft being reviewed
# 4	pre-Qualified Product List	Materials	8/1/2012	12/31/2012	0	0	Review product info, patents, and standard tests
# 5	SSP	Conc Pvmt	12/3/2012	2/15/2013	0	0	Version 2 update for materials pre-QPL
# 6	Guidance	Chico	11/1/2012	4/1/2013	0	0	MTAG and Construction Manual
# 7	Performance reports	Chico	10/1/2012	7/1/2017	0	0	Initial report by 11/15/13
# 8	Training material	Conc Pvmt	4/1/2013	7/2/2013	0	0	TBD

Log 8/3/2010- October 2009, a section of PCC pavement on I-80 near Soda Springs was treated with this material
Cores taken October 2010.
3/23/11, lrouen, update deliverables and schedules
4/8/11, d glauz, revised progress, purpose and need.
5/15/12 Draft scoping doc sent to work group
5/30/12 Updated database
7/30/12 Updated database to reflect latest scoping doc