

ROCK PRODUCTS COMMITTEE

WORK PLAN STATUS

April 20, 2011

"Plan the Work

Work the Plan"

Contents

Status Meeting Calendar

Asphalt Task Group Projects

Concrete Task Group Projects

Pavement Foundations Task Group Projects

Pavement Preservation Task Group Projects

"Caltrans, Industry and FHWA Working Together"

DEPARTMENT OF TRANSPORTATION

2011

JAN

| S | M | T | W | T | F | S |
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FEB

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MAR

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APR

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MAY

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| 29 | 30 | 31 | | | | |

JUN

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JUL

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| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
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AUG

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| 28 | 29 | 30 | 31 | | | |

SEPT

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

OCT

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| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
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NOV

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| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | | | |

DEC

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

JAN 2012

| S | M | T | W | T | F | S |
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| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

ROCK PRODUCTS COMMITTEE / PAVEMENT PROGRAM STATUS CALENDAR

Status Calendar Legend

Monthly Pavement Management Council (PMC) Status Meeting

Quarterly PMC Status Meeting with Asst. Division Chiefs

Last Day for Monthly Status Document Update

Status Document Prep, Repro and Distribution

State Holidays

Quarterly Rock Products Committee (RPC) Meeting

Pavement Program Steering Committee (PPSC) Meeting

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

Pavement Program Project Management Monthly Report

Project **Warm Mix Asphalt**
Task Group Asphalt
Subtask Group Warm Mix Asphalt

Target Completion Date 1/1/2012
 Priority 2
Status Active
Progress 23 %
Rock Products Committee YES

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

Overall Progress

Project Lead Catrino Barros
 Office Roadway Materials
Phone 227-7162
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|---------|------------|-----------|------------|-----------|---------------------|
| # 1 Approval process | Asphalt | 6/30/2009 | 3/4/2011 | 90 | 105 | Submit for Approval |
| # 2 Testing requirements for WMA | Asphalt | 9/1/2010 | 3/31/2011 | 0 | 105 | Under Development |
| # 3 Guidance for selecting WMA additives | Asphalt | 9/1/2010 | 9/30/2011 | 0 | 55 | Under Development |
| # 4 Specification | Asphalt | 9/1/2010 | 1/30/2012 | 25 | 45 | Under Development |
| # 5 Construction Policy Bulletin | Constr | 5/1/2011 | 6/30/2011 | 0 | 0 | Under Development |
| # 6 Training | Asphalt | 4/1/2011 | 1/1/2012 | 0 | 5 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 12/3/2010 - draft dispute resolution document developed (WMA in mix design)
 10/31/2010 - Developed draft approval process.
 1/19/11 - Update status, PJV

Project
Task Group
Subtask Group

Target Completion Date
Priority
Status
Progress
Rock Products Committee

Purpose

Overall Progress

Project Lead
Office
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---|--------|------------|------------|------------|-----------|-----------------------|
| # 1 CT 201,202,204,205,206,207,208,209, 211,212,214,217 | Mets | 5/8/2008 | 3/4/2011 | 95 | 105 | 205/209 Nearly compl. |
| # 2 CT 226,227,229,234,235 | Mets | 5/8/2008 | 12/31/2010 | 100 | 100 | Done |
| # 3 CT 304M,304C,308,309,366,367 | Mets | 5/8/2008 | 12/31/2010 | 100 | 100 | Done |
| # 4 CT 101,102,103,104,105,106,125,310 | Mets | 5/8/2008 | 12/31/2010 | 100 | 100 | Done |
| # 5 CT 362,371,375,379,382 | Mets | 5/8/2008 | 3/4/2011 | 100 | 100 | 371 Under review |
| # 6 CT 368 | Mets | 5/8/2008 | 12/31/2011 | 100 | 100 | Done |
| # 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.
 Test Methods nearly completed as of 12/2010
 Status update PV 1/19/2010

Project
Task Group
Subtask Group

Target Completion Date
Priority
Status
Progress
Rock Products Committee

Purpose

Overall Progress

Project Lead
Office
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|---------|------------|------------|------------|-----------|-------------------|
| # 1 Evaluate CT 371 & Alternate Test Methods | Asphalt | 9/1/2007 | 12/31/2011 | 50 | 85 | Under development |
| # 2 Recommend a test for discriminating MS mixes | Asphalt | 10/1/2010 | 9/30/2011 | 20 | 55 | Under development |
| # 3 Develop an implementation plan | Asphalt | 7/1/2011 | 9/30/2012 | 0 | 0 | |
| # 4 | | | | 0 | 0 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

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

On hold till Management decide what to do?

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

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

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

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

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

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

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

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

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

Target Completion Date 2/28/2011 **Priority** 5 **Status** Active **Progress** 97.5 % **Rock Products Committee** YES

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

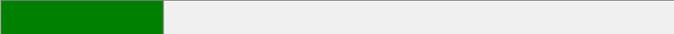
Overall Progress

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---|---------|------------|------------|------------|-----------|-------------------|
| # 1 Revised smmothness specifications in Section 39 | Asphalt | 7/1/2010 | 12/31/2010 | 100 | 100 | Done |
| # 2 Construction Policy Directive | Asphalt | 11/1/2010 | 3/18/2011 | 50 | 120 | Under Development |
| # 3 | | | | 0 | 0 | |
| # 4 | | | | 0 | 0 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 1-19-11, Update Status PJV

Project Section 39 **Task Group** Asphalt **Subtask Group** Section 39

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

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

Overall Progress

Project Lead Kee Foo **Office** Asphalt **Phone** 227-5436 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|---------|------------|------------|------------|-----------|------------------------------|
| # 1 Gather Industry/Caltrans Commets on specifications | Asphalt | 3/1/2010 | 8/31/2010 | 100 | 100 | Collected and organized |
| # 2 Resolve 1st Priority Issues (14 issues) | Asphalt | 3/21/2011 | 9/30/2011 | 15 | 10 | 2 issues addressed |
| # 3 Revise Sepcs on 1st Priority Issues | Asphalt | 10/1/2011 | 10/31/2011 | 0 | 0 | |
| # 4 Resolve 2nd Priority Issues (6 Issues) | Asphalt | 11/1/2011 | 3/31/2012 | 0 | 0 | |
| # 5 Revise Sepcs on 2nd Priority Issues | Asphalt | 4/1/2012 | 4/30/2012 | 0 | 0 | |
| # 6 Resolve 3rd Priority Issues (5 Issues) | Asphalt | 5/1/2011 | 9/30/2012 | 0 | 0 | |
| # 7 Revise Sepcs on 3rd Priority Issues | Asphalt | 10/1/2012 | 10/31/2012 | 0 | 0 | |
| # 8 Evaluation of avialable HMA-Pay test data | Asphalt | 7/1/2008 | 6/30/2011 | 80 | 95 | Sent out for Industry Review |

Log 2/14/11 - Revised purpose and need and task definitions, PJV
 4/11/11 - A total of 27 Section 39 issues were brought to committee attention
 4/11/11 - Issues were prioritized (1st - Immediate attention; 2 nd - Important issues; 3rd - Addressed eventually; Not addressed here)
 4/11/11 - 1st priority has 14 issues (estimated 2 issues are resolved)
 4/11/11 - 2nd priority has 6 issues
 4/11/11 - 3rd priority has 5 issues
 Mactec Contract TO 20 signed 11/2010. Estimated Completion 3/2011
 4/11/11 - Mactec has completed report (Item 8); Report sent out for Industry review

Project
Task Group
Subtask Group

Target Completion Date
Priority
Status
Progress
Rock Products Committee

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

Overall Progress

Project Lead
Office
Phone
E-FIS Project Number
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 | Asphalt | 6/30/2009 | 6/30/2011 | 100 | 100 | Completed. CTM posted |
| # 2 CT 368 revision (part 2) - overhaul test method | UCPRC | 6/30/2010 | 6/30/2012 | 10 | 40 | Under Development |
| # 3 RHMA mix design & performance evaluation | Asphalt | 6/30/2010 | 6/30/2012 | 5 | 40 | Need update work plan |
| # 4 Evaluation of Type I vs.Type II | Asphalt | 7/1/2011 | 6/30/2012 | 0 | 0 | Need Type I specs/proj |
| # 5 | | | | 0 | 0 | |
| # 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 portion related to RHMA construction.
 4/12/2011 - Solicit feedback within Caltrans (DMEs and DMEs).
 4/14/2011 - Co-chairs to meet to update scope and develop revised work plan.

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

Target Completion Date 6/30/2012 **Priority** 7 **Status** Active **Progress**  31 % **Rock Products Committee** YES

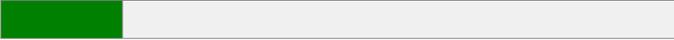
Purpose To reduce noise generated by tire-pavement interaction on flexible surface courses.

Overall Progress

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---|---------|------------|-----------|------------|-----------|----------------------|
| # 1 Conduct laboratory evaluation of OGFC mixes | UCPRC | 7/1/2009 | 6/30/2010 | 95 | 180 | To be published date |
| # 2 Conduct field & HVS evaluation | UCPRC | 7/1/2010 | 6/30/2011 | 10 | 80 | Under Development |
| # 3 Develop NSSP for quieter OGFC mixes | Asphalt | 7/1/2011 | 6/30/2012 | 0 | 0 | |
| # 4 Update & adopt specification for OGFC mixes | Asphalt | 7/1/2011 | 6/30/2012 | 0 | 0 | |
| # 5 Update QP policy | Asphalt | 7/1/2011 | 6/30/2012 | 0 | 0 | |
| # 6 Complete 5th yr flexible QP research & report | UCPRC | 7/1/2010 | 6/30/2011 | 50 | 80 | Ongoing research |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log

Project Section 39 Smoothness (Long Term)
Task Group Asphalt
Subtask Group Smoothness
Target Completion Date 6/29/2012
Priority 8
Status Active
Progress  18 %
Rock Products Committee YES

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

Overall Progress

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|---------|------------|------------|------------|-----------|----------------------------|
| # 1 Evaluate Inertial Profiler Specifications | Asphalt | 7/1/2010 | 6/30/2011 | 50 | 80 | Under development |
| # 2 Test Method, Equipment, & Calibration | Mets | 1/31/2011 | 12/31/2011 | 10 | 20 | Literature search going on |
| # 3 Update Specification & Acceptance Criteria | Asphalt | 10/3/2011 | 12/31/2011 | 0 | 0 | |
| # 4 Adopt Specification & Acceptance Criteria | Asphalt | | 1/2/2012 | 0 | 100 | |
| # 5 Construction Policy Bulletin | Constr | 7/1/2011 | 12/30/2011 | 0 | 0 | |
| # 6 Training | Asphalt | 1/2/2012 | 6/29/2012 | 0 | 0 | |
| # 7 Select projects to pilot spec/profiler | | 2/15/2011 | 3/31/2011 | 0 | 130 | |
| # 8 | | | | 0 | 0 | |

Log 1/19/11, Update Requestor, Lead info, PJV
2/14/11, Update targets dates, PJV

Project
Task Group
Subtask Group

Target Completion Date
Priority
Status
Progress
Rock Products Committee

Purpose

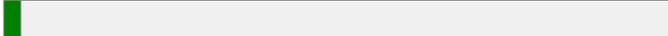
Overall Progress

Project Lead
Office
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---|---------|------------|------------|------------|-----------|----------------------|
| # 1 Develop Draft Specification & Plan | Asphalt | 9/10/2008 | 6/30/2010 | 100 | 100 | Approved |
| # 2 Test specification and plan on HMA projects | Asphalt | 9/1/2010 | 6/30/2011 | 5 | 75 | Identifying Projects |
| # 3 Establish criteria for where to place Safety Edge | Asphalt | 9/1/2010 | 4/1/2011 | 10 | 105 | Under Development |
| # 4 Update manuals, specs, and plan | Asphalt | 2/1/2011 | 6/30/2011 | 0 | 50 | |
| # 5 Adopt Safety Edge (Policy, Spec, Plan) | Asphalt | 7/1/2011 | 9/30/2011 | 0 | 0 | |
| # 6 Outreach (bulletins & training) | Asphalt | 5/1/2010 | 12/30/2011 | 25 | 55 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log

Project HMA leveling course **Task Group** Asphalt **Subtask Group** Specifications

Target Completion Date 6/30/2011 **Priority** 10 **Status** Active **Progress**  2.5 % **Rock Products Committee** YES

Purpose Develop leveling course specification to include provisions for addressing issues related to super-elevation corrections, profile corrections, crown shifts, or any other type of geometric correction.

Overall Progress

Project Lead Kee Foo **Office** Pavement Engineering **Phone** 227-5436 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---------------------|---------|------------|-----------|------------|-----------|-------------------|
| # 1 Guidelines | Asphalt | 7/1/2010 | 6/30/2011 | 5 | 80 | Under Development |
| # 2 Specifications | Asphalt | 7/1/2010 | 6/30/2011 | 0 | 80 | Under Development |
| # 3 | | | | 0 | 0 | |
| # 4 | | | | 0 | 0 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 1/19/11, Looking for assistance from consultant on guidelines.

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

Target Completion Date 6/30/2013 **Priority** 14 **Status** Active **Progress**  2% **Rock Products Committee** YES

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

Overall Progress

Project Lead Kee Foo **Office** Pavement Engineering **Phone** 227-5436 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---|---------|------------|-----------|------------|-----------|--------|
| # 1 Support District for N. Cal Project | Asphalt | 6/30/2010 | 6/30/2011 | 5 | 80 | |
| # 2 Monitoring I-710 pavement performance | UCPRC | 6/30/2010 | 6/30/2013 | 5 | 25 | |
| # 3 Specification | Asphalt | 6/30/2011 | 6/30/2013 | 0 | 0 | |
| # 4 Guide | Asphalt | 6/30/2011 | 6/30/2013 | 0 | 0 | |
| # 5 Test Method | Mets | 6/30/2011 | 6/30/2013 | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 12/2/2009 - Caltrans/Industry meeting on long life meeting. Info only.
 2/4/2020 - Caltrans/Industry meeting on long life meeting. Need district participation and projects. Districts need to propose projects.
 12/9/2010 - Caltrans/Industry meeting on long life meeting. Two projects in D2 were discussed. UCPRC will conduct lab testing.
 1/6/2011 - CT/industry meeting discussed progress of the projects and reviewed action items.
 4/4/2011 - CT/Industry have a project meeting every two weeks to discuss project status and progress.

Project
Task Group
Subtask Group

Target Completion Date
Priority
Status
Progress
Rock Products Committee

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

Overall Progress

Project Lead
Office
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---------------------|--------|------------|-----------|------------|-----------|-----------------------------|
| # 1 MPQP for RHMA | Constr | 6/30/2010 | 6/30/2011 | 20 | 80 | In review and comment phase |
| # 2 | | | | 0 | 0 | |
| # 3 | | | | 0 | 0 | |
| # 4 | | | | 0 | 0 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 2/9/2010 - RHMATG meeting discussed MPQP but no immediate action required.
 10/27/2010 - RHMATG meeting reviewed draft MPQP. Electronic copy was sent out to industry on 10/29 for comments. Deadline Dec. 1, 2010.
 12/16/2010 - RHMATG meeting did not discuss the draft. No comment was received by 12/1 and prior to the meeting. A new date for comments was scheduled for early January, 2011.
 1/17/2011 - Industry provided their comments/opinions on the MPQP RHMA portion.
 1/18/2011 - CT reviewed the document and sent a table to industry co-chair asking to separate comments from opinions for better addressing comments.
 2/14/11, beginning review and comment phase with industry, PJV
 3/29/2011 - RHMATG reviewed comments from industry and responses from Caltrans. Resolution table and MPQP will be updated.

Project 2010 Plain Language Update **Task Group** Concrete **Subtask Group** Concrete Materials/QA

Target Completion Date 7/1/2011 **Priority** 1 **Status** Active **Progress**  64 % **Rock Products Committee** YES

Purpose Existing specifications are being converted to "Plain Language" format to streamline project development, eliminate redundant specification language, and to provide clear and concise language for projects.

Overall Progress Ruth Fernandes updated status of Plain Language at Caltrans & Industry meeting on 3/17/11. Industry expressed strong interest in moving to ASTM standards away from CTMs wherever possible. Bin list items are being reviewed from 2010 Plain Language updates.

Project Lead Ruth Fernandes **Office** DES-SOE **Phone** (916) 227-8584 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|-------------------------------------|-----------|------------|------------|------------|-----------|---|
| # 1 Industry Feedback on Section 90 | Industry | 11/10/2010 | 12/31/2010 | 100 | 100 | feedback received from industry and comments compiled V4 |
| # 2 Industry Feedback on Section 50 | Industry | 10/29/2010 | 11/28/2010 | 100 | 100 | feedback received from industry and comments compiled V4 |
| # 3 Industry Feedback on Section 51 | Industry | 11/18/2010 | 12/20/2010 | 100 | 100 | feedback received from industry and comments compiled V4 |
| # 4 Review of Comments by SOE | Other | 11/10/2010 | 2/1/2011 | 100 | 100 | SOE compiled their comments in minutes |
| # 5 Feedback to STGs | Materials | 11/10/2010 | 7/1/2011 | 70 | 65 | Ruth Fernandes to give feedback on industry comments at March 17th meeting. |
| # 6 Finalize Specification | OE | 4/1/2011 | 7/1/2011 | 0 | 10 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log Updates from March 17 Meetings:
 Ruth indicated that the new 2010 spec may be available online in early April 2011.
 The group proceeded to review the feedback to the Section 90 V4 Specifications.

Updates from Feb 17 Meetings:
 • V5 has been sent out for section 50 for concurrence. V5 Section 90 is still under discussion for concurrence from Construction.

Project 2010 Plain Language Update **Task Group** Concrete **Subtask Group** Precast Concrete

Target Completion Date 7/1/2011 **Priority** 1 **Status** Active **Progress**  64 % **Rock Products Committee** YES

Purpose Existing specifications are being converted to "Plain Language" format to streamline project development, eliminate redundant specification language, and to provide clear and concise language for projects.

Overall Progress Ruth Fernandes updated status of Plain Language at Caltrans & Industry meeting on 3/17/11. Industry expressed strong interest in moving to ASTM standards away from CTMs wherever possible. Bin list items are being reviewed from 2010 Plain Language updates.

Project Lead Ruth Fernandes **Office** DES-SOE **Phone** (916) 227-8584 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|-------------------------------------|-----------|------------|------------|------------|-----------|---|
| # 1 Industry feedback on section 90 | Industry | 11/10/2010 | 12/3/2010 | 100 | 100 | feedback received from industry and comments compiled V4 |
| # 2 Industry Feedback on Section 50 | Industry | 10/29/2010 | 11/28/2010 | 100 | 100 | feedback received from industry and comments compiled V4 |
| # 3 Industry Feedback on Section 51 | Industry | 11/18/2010 | 12/20/2010 | 100 | 100 | feedback received from industry and comments compiled V4 |
| # 4 Review of Comments by SOE | Other | 11/10/2010 | 7/1/2011 | 100 | 100 | SOE compiled their comments in minutes |
| # 5 Feedback to STGs | Materials | 11/10/2010 | 7/1/2011 | 70 | 65 | Ruth Fernandes to give feedback on industry comments at March 17th meeting. |
| # 6 Finalize Specification | OE | 4/1/2011 | 7/1/2011 | 0 | 10 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log

| | | | | | | | |
|------------------------------------|---------------------------|-----------------|---|-------------------|----------|----------------------|------------------|
| Project | Precast concrete pavement | | | Task Group | Concrete | Subtask Group | Precast Concrete |
| Target Completion Date | 12/31/2012 | Priority | 2 | Status | Active | Progress | 17.2 % |
| Rock Products Committee YES | | | | | | | |

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

Overall Progress Specification and plans for I-710 precast project was reviewed. Comments were made and discussed at 3/29 meeting in D7. A meeting is scheduled for 4/12 to continue working on "global" spec.

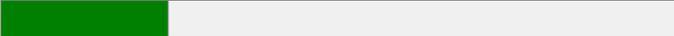
| | | | | | | | | | |
|---------------------|---------------|---------------|-------------------|--------------|--------------|-----------------------------|--|-----------------------------|--|
| Project Lead | Mehdi Parvini | Office | Concrete Pavement | Phone | 916-227-5848 | E-FIS Project Number | | E-FIS Subtask Number | |
|---------------------|---------------|---------------|-------------------|--------------|--------------|-----------------------------|--|-----------------------------|--|

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|------------|------------|-----------|---|
| # 1 Darft Plans & Spec for pilot project | District | 7/1/2010 | 5/1/2011 | 80 | 95 | The requirements to complete the project for HQ approval and the comments/questions have been sent to D7 for consideration. |
| # 2 Evaluate previous projects | Conc Pvmt | 7/1/2010 | 12/31/2012 | 15 | 30 | The performance issues (slab cracking) of the newly placed I-15 project is under evaluation. |
| # 3 Pilot Projects | Conc Pvmt | 7/1/2010 | 9/30/2012 | 30 | 35 | Draft Standard Plans and Specs are about 25% complete, they were discussed in the Feb 17th meeting |
| # 4 Proposed Std Plan & Specifications to Task Group | Conc Pvmt | 12/1/2010 | 9/30/2012 | 0 | 20 | |
| # 5 Design Guide & Tables | Conc Pvmt | 7/1/2011 | 9/30/2012 | 0 | 0 | |
| # 6 Adopt Standard Plan & Specification | Conc Pvmt | 9/30/2012 | 12/31/2012 | 0 | 0 | |
| # 7 Workshops | | 1/1/2013 | 12/31/2013 | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log Updates from March 17th Meeting:
 Keith wanted to clarify if the proposed SSP will dictate which system to use, or allow for proprietary systems.
 Keith and Jim mentioned that creating an NSSP might be a better way to get the spec onto paper, and allow for future revisions that may be able to turn this into an SSP. This would allow time for current projects to be evaluated to see wat challenges/claims we've encountered, and adjust off of these lessons learned.

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

Project Section 40 Technical Changes **Task Group** Concrete **Subtask Group** CIP Concrete Pavement

Target Completion Date 12/30/2011 **Priority** 2 **Status** Active **Progress**  24.8 % **Rock Products Committee** YES

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

Overall Progress Discussion was made at 3/10/11 meeting on high priority issues that was brought up earlier at 1/11/2011 meeting (Tie Bar Placement Tolerance, Friction Test Timing, CoTE, and CT 559) and actions (as mentioned in the Log) were made.

Project Lead Mehdi Parvini **Office** Concrete Pavement **Phone** 916-227-5848 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|------------|------------|-----------|--|
| # 1 Industry provide updated comments | Conc Pvmt | 3/10/2011 | 4/4/2011 | 100 | 100 | Industry wanted to revisit previous comments to see if still applicable. |
| # 2 Collect new comments and merge with existing ones | Conc Pvmt | 3/10/2011 | 4/6/2011 | 100 | 100 | Industry removed no comments and added additional 3 comments. |
| # 3 Discuss the comments on CIP STG (resolve, assign priority, drop) | Conc Pvmt | 4/6/2011 | 5/15/2011 | 10 | 15 | Meeting is scheduled for May 15. |
| # 4 Prepare scoping document and work plan for major issues | Other | 5/15/2011 | 7/1/2011 | 5 | 0 | |
| # 5 Resolve issues as planned | Conc Pvmt | 5/15/2011 | 10/1/2011 | 10 | 0 | |
| # 6 Circulate draft Sec. 40 with all recommended changes | Conc Pvmt | 10/1/2011 | 10/1/2011 | 0 | 0 | |
| # 7 Address comments and get stakeholders approval | Other | 10/1/2011 | 12/30/2011 | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

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

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

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

Issues:

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

Project Safety Edge (concrete)
Task Group Concrete
Subtask Group CIP Concrete Pavement
Target Completion Date 12/30/2012
Priority 3
Status Active
Progress  30 %
Rock Products Committee YES

Purpose Develop statewide policy for the use of the "safety edge" on edge drop offs for rigid pavements.

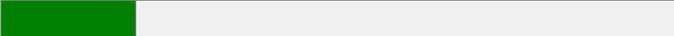
Overall Progress A presentation on this topic is scheduled for April. Looking for concrete project to demo.

Project Lead Mehdi Parvini
Office Concrete Pavement
Phone 916-227-5848
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|------------|------------|-----------|--|
| # 1 Develop Draft Specification & Plan | Conc Pvmt | 2/1/2011 | 4/1/2011 | 100 | 100 | Specification and construction detail for installing safety edge for concrete paving projects |
| # 2 Demo specification and plan on concrete projects | Conc Pvmt | 4/1/2011 | 8/30/2011 | 0 | 5 | Identify demo oprojects and include the safety edge spec and monitor/evaluate the installation |
| # 3 Adopt Safety Edge (Policy, Spec, Plan) | Conc Pvmt | 8/30/2011 | 10/30/2011 | 0 | 0 | Prepare policy changes to include the safety edge as a standard practice |
| # 4 Update manuals, specs, and plan | Conc Pvmt | 10/1/2011 | 10/30/2011 | 0 | 0 | Update relevant manuals and standards such as HDM |
| # 5 Outreach (bulletins & training) | Conc Pvmt | 4/1/2011 | 6/30/2012 | 0 | 0 | Promotion and training |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log

Project **Precast Structures Specification** **Task Group** Concrete **Subtask Group** Precast Concrete

Target Completion Date 7/1/2012 **Priority** 3 **Status** Active **Progress**  20 % **Rock Products Committee** YES

Purpose Separate specifications for precast products/materials from those for concrete materials.

Overall Progress No activity is this period.

Project Lead Ruth Fernandes **Office** DES-SOE **Phone** (916) 227-8584 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---------------------------------|-----------|------------|----------|------------|-----------|-----------------------------------|
| # 1 Review Existing Spec | Materials | 12/1/2010 | 3/1/2011 | 100 | 100 | Review has been complete |
| # 2 Compose Draft | Materials | 3/1/2011 | 2/1/2012 | 20 | 10 | draft proposal is being finalized |
| # 3 Gather and compile feedback | Materials | 2/1/2012 | 5/1/2012 | 0 | 0 | |
| # 4 Finalize Spec | Materials | 5/1/2012 | 7/1/2012 | 0 | 0 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log Updates from Feb 17 Meetings:
 • Spec Development team will work to separate Precast provisions from the other concrete material provisions in the new 2010 Plain Language Spec
 • Project team is incorporating the feedback provided by industry

Project
Task Group
Subtask Group

Target Completion Date
Priority
Status
Progress
Rock Products Committee

Purpose Currently, there is only one level of QC/QA and it pertains to structural concrete. The precast committee would like to update the structures' specification and add new levels for minor (non-structural) and possibly other concrete.

Overall Progress No activity in this period.

Project Lead
Office
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---------------------------------|--------|------------|----------|------------|-----------|---|
| # 1 Review Existing Programs | | 12/1/2010 | 3/1/2011 | 100 | 100 | Existing practices are reviewed |
| # 2 Compose draft program | | 3/1/2011 | 2/1/2012 | 20 | 10 | OSMPP, tier priority list etc. is being revised to come up with the first step of implementation plan |
| # 3 Gather and compile feedback | | 2/1/2012 | 5/1/2012 | 0 | 0 | |
| # 4 Finalize Programs | | 5/1/2012 | 7/1/2012 | 0 | 0 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log Updates from March 17 Meetings:
 A discussion occurred regarding the IAP and how it relates to Precast. All agreed that will be an important item to be discussed in the QC/QA Activity in the Materials & QA STG.

Updates from Feb 17 Meetings:

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

Project **Task Group** **Subtask Group**

Target Completion Date **Priority** **Status** **Progress** **Rock Products Committee**

Purpose

Overall Progress

Project Lead **Office** **Phone** **E-FIS Project Number** **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 | 4/30/2011 | 50 | 85 | These are being compiled |
| # 2 Develop outline for QC/QA/IQA/IA program | Materials | 3/1/2011 | 6/30/2011 | 10 | 35 | |
| # 3 Draft QC/QA reference specification and selection of pilot projects | Materials | 7/1/2011 | 9/1/2011 | 0 | 0 | |
| # 4 Workshops and roll out pilot projects (structural concrete/non-pavement) | HQ Constr | 9/1/2011 | 1/1/2012 | 0 | 0 | |
| # 5 Feedback and update other concrete | Materials | 11/1/2011 | 4/1/2012 | 0 | 0 | |
| # 6 Establish full implementation on all projects | | 4/1/2012 | 7/1/2012 | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log Updates from March 17 Meetings:

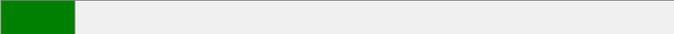
Rob introduced the purpose of this project is to have QC tests take the forefront and place the state staff into more of a "review" role. Bruce indicated that cost-benefit analysis might be a good way to show the affects of overall project cost. The group discussed the differences between CTMs and ASTMs 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 Coefficient of Thermal Expansion (CoTE) **Task Group** Concrete **Subtask Group** CIP Concrete Pavement

Target Completion Date 6/30/2012 **Priority** 4 **Status** Active **Progress**  11 % **Rock Products Committee** YES

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

Overall Progress Short Term - A proposed language to include CoTE testing as part of the mix design pre-qualification/approval (in appose to production testing) has been prepared and circulated for review/comment.

Project Lead Mehdi Parvini **Office** Concrete Pavement **Phone** 916-227-5848 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---|-----------|------------|------------|------------|-----------|---|
| # 1 Modify spec to reduce test frequency | Asphalt | 1/1/2011 | 5/1/2011 | 50 | 85 | A meeting was held on 3/10/11 to discuss. |
| # 2 Gather Data (freq. & action for non-compliance) | Conc Pvmt | 1/1/2011 | 9/30/2011 | 5 | 35 | |
| # 3 Evaluate data for variance & acceptance | Conc Pvmt | 9/30/2011 | 12/30/2011 | 0 | 0 | |
| # 4 | | | | | 0 | |
| # 5 | | | | | 0 | |
| # 6 | | | | | 0 | |
| # 7 | | | | | 0 | |
| # 8 | | | | | 0 | |

Log 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
Task Group
Subtask Group

Target Completion Date
Priority
Status
Progress
Rock Products Committee

Purpose

Overall Progress

Project Lead
Office
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---|------------|------------|------------|------------|-----------|---|
| # 1 nSSP for inertial profiler use on conc pvmnt | Conc Pvmnt | 8/2/2010 | 5/2/2011 | 75 | 95 | Update draft & meet with HQ Const early April |
| # 2 nSSP for inertial profiler use on conc grinding | Conc Pvmnt | 4/1/2011 | 5/2/2011 | 0 | 35 | Not begun |
| # 3 Pilot nSSP on 2011 construction projects | Conc Pvmnt | 5/2/2011 | 8/31/2012 | 0 | 0 | Awaiting nSSP |
| # 4 Develop IRI smoothness acceptance values | Conc Pvmnt | 5/2/2011 | 12/30/2011 | 0 | 0 | Researching other DOTs |
| # 5 Equip & operator certification procedure | Conc Pvmnt | 7/1/2011 | 4/2/2012 | 0 | 0 | Work with METS & UCPRC |
| # 6 SSP for IRI smoothness acceptance | Conc Pvmnt | 7/1/2011 | 12/30/2011 | 0 | 0 | Ready for 2012 season |
| # 7 Develop guidance/CPD/training (incl ProVal) | Conc Pvmnt | 5/30/2011 | 3/2/2012 | 0 | 0 | Need for nSSP & SSP |
| # 8 Ongoing monitoring and evaluation | Conc Pvmnt | 6/3/2011 | 12/31/2012 | 0 | 0 | Not begun |

Log

Project
Task Group
Subtask Group

Target Completion Date
Priority
Status
Progress
Rock Products Committee

Purpose

Overall Progress

Project Lead
Office
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|-------------------------------------|-----------|------------|-----------|------------|-----------|--|
| # 1 Review current DOT Practice | Materials | 12/1/2010 | 1/15/2011 | 100 | 100 | Reviewed current process of sampling/testing materials. |
| # 2 Review practice of other DOT's | Materials | 1/15/2011 | 1/30/2011 | 100 | 100 | reviewed the process |
| # 3 Review FHWA QC/QA Guides | Materials | 1/5/2011 | 1/30/2011 | 100 | 100 | updated process based on FHWA and other DOT practices |
| # 4 Draft AML Process | Materials | 1/30/2011 | 5/17/2011 | 85 | 65 | draft AML process has been discussed at internal subtask group meeting |
| # 5 Receive feedback on AML Process | Materials | 2/15/2011 | 5/17/2011 | 85 | 60 | feedback is currently being incorporated |
| # 6 Revise process and finalize | Materials | 3/17/2011 | 6/30/2011 | 20 | 25 | Additional feedback will be received from industry and process will be finalized |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log Updates from Feb 17 Meetings:

- Project is currently moving according to current timeline
- The draft process will be reviewed in March subtask group meeting and finalized soon after

Project Statewide Aggregate Source Approval
 Task Group Concrete
 Subtask Group Concrete Materials/QA
Target Completion Date 7/1/2012
Priority 6
Status Active
Progress 26 %
Rock Products Committee YES

Purpose Statewide consistency in aggregate source approvals and develop a centralized list (database) of approved aggregates that can be used by all districts/projects

Overall Progress Project team is established. List of aggregate tests is developed. A discussion with Dan Chapman was held. Currently gathering info regarding the business practices of district labs and looking at I.T. platforms for data storage. Pilot Dist 2,3,5,7,8 & HQ

Project Lead Rob Reis
Office Structural Materials
Phone 9162277287
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|-----------|------------|-----------|--|
| # 1 Establish teams | Materials | 12/1/2010 | 2/18/2011 | 100 | 100 | Teams are established |
| # 2 Review existing databases | District | 2/18/2011 | 4/30/2011 | 30 | 75 | Existing databases are being evaluated |
| # 3 Determine applicable tests | District | 2/18/2011 | 4/30/2011 | 30 | 75 | Applicable tests are being determined |
| # 4 Establish pilot database | Materials | 4/30/2011 | 6/30/2011 | 0 | 0 | |
| # 5 Receive feedback from all users | Materials | 6/30/2011 | 8/31/2011 | 0 | 0 | |
| # 6 Finalize the database and extend it to all districts | Materials | 8/11/2011 | 7/1/2012 | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

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

Updates from Feb 17 Meetings:
 • A final detailed work plan has been completed for this Activity, and the project team has begun conducting meetings to complete all of the objectives listed.
 • Currently the team is reviewing the Legal Aspects and also the applicable ASTM and CTM standards that will be used to manage the database
 • The team is also developing the Platform that the Database will use, incorporating this new database into pre-existing databases already in use

Project RSC for JPCP **Task Group** Concrete **Subtask Group** CIP Concrete Pavement

Target Completion Date 7/15/2011 **Priority** 6 **Status** Active **Progress**  14 % **Rock Products Committee** YES

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

Overall Progress A draft spec for JPCP using RSC is prepared.

Project Lead Mehdi Parvini **Office** Concrete Pavement **Phone** 227-5848 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|-----------|------------|-----------|--------|
| # 1 Prepare draft spec | Conc Pvmt | 3/1/2011 | 4/15/2011 | 70 | 90 | |
| # 2 Review draft spec | Other | 4/15/2011 | 4/30/2011 | 0 | 0 | |
| # 3 Circulate draft spec (Industry, districts, Const., etc.) | Conc Pvmt | 4/30/2011 | 6/1/2011 | 0 | 0 | |
| # 4 Address comments | Conc Pvmt | 6/1/2011 | 6/30/2011 | 0 | 0 | |
| # 5 Send for final review | Conc Pvmt | 7/1/2011 | 7/1/2011 | 0 | 0 | |
| # 6 Adopt the spec | Conc Pvmt | 7/1/2011 | 7/15/2011 | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log

Project
Task Group
Subtask Group

Target Completion Date
Priority
Status
Progress
Rock Products Committee

Purpose With the recent revision of Section 90 Portland Cement (PC) Concrete adopted as of June 2009 a cap has been placed on the amount of PC used in concrete; Industry has expressed concerns that Section 90 needs changes.

Overall Progress Industry submitted revised problem statement, asking for a number of items related to how the Dept evaluated/developed changes to Sec 90. Concern over availability of SCMs and limits on Equation 2 of Sec 90 and making strength of 4000psi workable mix.

Project Lead
Office
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|-----------|------------|-----------|--|
| # 1 Update Problem Statement | Industry | 11/1/2010 | 3/17/2011 | 90 | 120 | Industry to give updated Problem Statement in next STG meeting |
| # 2 Review updated Problem Statement | Materials | 3/17/2011 | 4/17/2011 | 0 | 80 | |
| # 3 Develop work Plan and create project teams (if needed) | Industry | 4/17/2010 | 5/31/2011 | 0 | 90 | |
| # 4 Discuss potential solutions and recommend any revisions to specs | Materials | 5/31/2011 | 6/30/2011 | 0 | 0 | |
| # 5 Update final specs | Materials | 6/30/2011 | 12/1/2011 | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log Updates from March 17th Meeting:
 Tom Tietz produced and proposed an updated scoping document for this activity. He would ultimately like for additional cost-benefit analysis to be done to add greater emphasis for the factors listed in the updated scoping document. David and Mark next discussed the issues with Equation 2 that they have seen in southern California. They have encountered problems making strength with concrete designed in the 4000-6000 psi range without having large cost and not limiting the workability of the materials. Mark emphasized that the strength is especially difficult to achieve in freeze/thaw areas where 5-6% air content is needed. Rob suggested that the next step for this activity would be to evaluate the items presented and create a timeline for when each of these points will be evaluated. John would help gather together the cost-benefit analysis and any history of issues that the new Section 90 has presented. Group agreed that possible resolutions to this issue could be allowing additional cement content for concrete designated for 6000 psi and above, or changing Equation 1 to the "TC" value instead of "MC" value.

Updates from Feb 17th Meeting:
 • Industry is taking the lead on this issue, and will provide updates to their CT-counterparts as soon as deliverables are finalized in the upcoming subtask group meeting

Project CRCP Design Details **Task Group** Concrete **Subtask Group** CIP Concrete Pavement

Target Completion Date 7/1/2012 **Priority** 7 **Status** Active **Progress**  80.5% **Rock Products Committee** YES

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

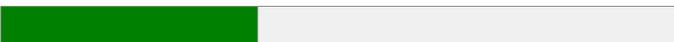
Overall Progress Working on a construction joint design detail to address issues raised by Industry. Meeting Apr 8 in Stockton to discuss end treatment guidance. Drafted new transverse steel plan.

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|-----------|------------|-----------|---|
| # 1 Develop standards plans and guides | Conc Pvmt | 11/1/2005 | 9/10/2009 | 100 | 100 | Approved |
| # 2 Review changes to transverse steel | Conc Pvmt | 2/1/2011 | 8/1/2011 | 100 | 100 | Changes are done. |
| # 3 Guidance for end treatments | Conc Pvmt | 11/1/2010 | 8/1/2011 | 10 | 60 | Met with Industry and national experts on 4/8/2011. |
| # 4 Dealing with CRCP at cont. joints | Conc Pvmt | 2/1/2011 | 8/1/2011 | 50 | 40 | has not started yet |
| # 5 Revise Standard Plans | Conc Pvmt | 6/1/2011 | 2/1/2012 | 30 | 0 | For transverse steel, Std. plan was drafted.Waiting for other changes to submit for review. |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log

Project **Quieter Rigid Pavement** **Task Group** Concrete **Subtask Group** Fully Pervious Pavement

Target Completion Date 12/1/2012 **Priority** 8 **Status** Active **Progress**  38 % **Rock Products Committee** YES

Purpose To reduce noise generated by tire-pavement interaction on rigid pavements. New Generation Concrete Surface (NGCS) grind promises to reduce tire-pavement noise significantly.

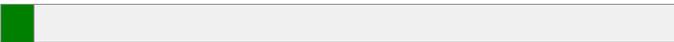
Overall Progress Working with Structures and Environmental on statewide Quieter Surface Policy.

Project Lead Linus Motumah **Office** Concrete Pavement **Phone** 916-227-5851 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|-----------|------------|-----------|------------------------|
| # 1 NSSP for NGCS | Conc Pvmt | 7/1/2008 | 1/1/2010 | 100 | 100 | Approved |
| # 2 Construct two pilot test sections | Conc Pvmt | 1/1/2011 | 1/1/2012 | 40 | 30 | Under Development |
| # 3 Update and adopt NGCS specifications | Conc Pvmt | 1/1/2012 | 7/1/2012 | 0 | 0 | |
| # 4 Update Quieter Pavement policy | Conc Pvmt | 1/1/2012 | 7/1/2012 | 0 | 0 | |
| # 5 Complete 3rd year rigid QP research & report | UCPRC | 7/1/2010 | 7/1/2011 | 50 | 80 | Draft report reviewed. |
| # 6 Develop conc texture performance curves | Conc Pvmt | 7/1/2011 | 12/1/2012 | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | | 0 | |

Log

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

Target Completion Date 7/1/2012 **Priority** 8 **Status** Active **Progress**  5% **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 Kickoff meeting held. Project teams and subject matter leads have been selected.

Project Lead Austin Perez **Office** HQ Construction **Phone** (916) 227-5705 **E-FIS Project Number** **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 | 7/1/2012 | 5 | 25 | Discussed in subtask group meeting |
| # 2 Revise Chapter 4 Construction Details | HQ Constr | 12/1/2010 | 7/1/2012 | 5 | 25 | Discussed in subtask group meeting |
| # 3 Revise Chapter 6 sampling and testing | HQ Constr | 12/1/2010 | 7/1/2012 | 5 | 25 | Discussed in subtask group meeting |
| # 4 | | | | 0 | 0 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

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

Project Fully Pervious Concrete Pavement **Task Group** Concrete **Subtask Group** CIP Concrete Pavement

Target Completion Date 7/1/2011 **Priority** 9 **Status** Active **Progress**  35 % **Rock Products Committee** YES

Purpose Develop guidance, specifications and plans for a fully pervious conc pavement for low-risk applications that allows storm water and snowmelt to pass through the pavement and infiltrate into the surrounding materials.

Overall Progress Schedule delayed in order to redirect resources to address technical changes to Section 40. The most recent draft spec (the working document) was sent out for info on 4/1/2011. Plan to have a meeting in May to continue the work.

Project Lead Mehdi Parvini **Office** Concrete Pavement **Phone** 916-227-5848 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|-----------|------------|-----------|---|
| # 1 Usage guide | Conc Pvmt | 7/1/2009 | 8/31/2011 | 10 | 80 | A template for usage guide has been prepared. It basically defines the layout and is a place holder for detail description. |
| # 2 Draft Specification for Concrete | Conc Pvmt | 7/1/2009 | 6/30/2011 | 80 | 90 | A draft specification for pervious concrete pavement has been prepared and circulated for comments for the second run. |
| # 3 Draft Specification for Base | Conc Pvmt | 7/1/2009 | 6/30/2011 | 30 | 90 | A draft specification for pervious base has been prepared. Discussion has been made on using thespec separately for each pervious pavement type, or have a common spec. |
| # 4 Draft Specifications for interlocking pavers | Conc Pvmt | 2/1/2011 | 8/30/2011 | 10 | 35 | |
| # 5 | | | | | 0 | |
| # 6 | | | | | 0 | |
| # 7 | | | | | 0 | |
| # 8 | | | | | 0 | |

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

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

Target Completion Date 9/1/2011 **Priority** 10 **Status** Active **Progress**  4.2% **Rock Products Committee** YES

Purpose Investigate different alternatives available not to bond PCCP and LCB.

Overall Progress Work was postponed to focus on technical changes to Section 40.

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---------------------------------|-----------|------------|------------|------------|-----------|--|
| # 1 Evaluate Alternatives | Other | 3/1/2011 | 7/1/2011 | 5 | 35 | The alternative of applying curing compound just before the surface layer is considered. |
| # 2 Draft Bond Braker Spec | Conc Pvmt | 7/1/2011 | 9/1/2011 | 0 | 0 | |
| # 3 Adopt Specification Changes | Conc Pvmt | 9/1/2011 | 12/30/2011 | 0 | 0 | |
| # 4 Update Manuals and Guides | Conc Pvmt | 9/1/2011 | 12/30/2011 | 0 | 0 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log

Project **Task Group** **Subtask Group**

Target Completion Date **Priority** **Status** **Progress** **Rock Products Committee**

Purpose

Overall Progress

Project Lead **Office** **Phone** **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---|-----------|------------|-----------|------------|-----------|--------|
| # 1 Review tining specs of other states | Conc Pvmt | 7/1/2010 | 5/1/2011 | 0 | 95 | |
| # 2 Identify charateristics of quietest tines | Consult | 7/1/2010 | 5/1/2011 | 0 | 95 | |
| # 3 Develop new tining specification | Conc Pvmt | 7/1/2010 | 6/30/2012 | 0 | 40 | |
| # 4 Establish means to measure | Conc Pvmt | 7/1/2010 | 6/30/2012 | 0 | 40 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log

Project
Task Group
Subtask Group

Target Completion Date
Priority
Status
Progress
Rock Products Committee

Purpose

Overall Progress

Project Lead
Office
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--------------------------------|-----------|------------|-----------|------------|-----------|--|
| # 1 Test Method review | Materials | 6/1/2010 | 3/31/2011 | 100 | 100 | Existing ASTM methods will be utilized with some modification. Can be handled thru spec. No CTM required. |
| # 2 Draft SSP to submit to FTG | Conc Pvmt | 7/22/2009 | 8/30/2011 | 80 | 80 | All technical issues are resolved. Reformatted to 2010 PLV, sent to task group co-chair, meeting on April 27 to discuss. |
| # 3 Guide | UCPRC | 6/1/2010 | 8/30/2011 | 40 | 70 | Contacting UCPRC for new date. Will impose April 30 if they can't be specific. |
| # 4 SSP published by OE | Conc Pvmt | 4/11/2011 | 1/1/2012 | 0 | 0 | Directed to circulate draft to DME's and Stakeholders. |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 7/22/2009: Meeting held at TL. Draft specification based on Lime specification was produced.
 12/10/2009: Meeting held at TL. Comments were reviewed and decided to finalize test method.
 4/23/2010: Draft was send out for comments.
 6/24/2010: Comments were addressed and a draft was send out for comments.
 6/31/2010: UCPRC to provide draft (ver 2.0) guide for our review by the end of mid October.
 9/28/2010: Meeting was held with Rock Product subcommittee including UCPRC and decided to use existing ASTM D 1633 with modification to use ASTM D1557 for fabrication of test specimen for mix design. Also, use ASTM D 1557 for compaction quality test during construction.
 3/1/11: Awaiting UCPRC draft report.-pdb
 3/11/11: At FDR-FA meeting on 3-8-11, David Jones said report has been delivered from Cal Poly and Chico and he is editing. He will pass on to Paul when completed.-pdb
 4/4/11: Updated dates.-pdb
 4/11/11: Updates. At meeting on 4/8, directed to circulate draft to DME's, stakeholders.-pdb

Project Full Depth Reclamation Using Foamed Asphalt
Task Group Foundation
Subtask Group Treated Soils and Bases
Target Completion Date 9/30/2011
Priority 3
Status Active
Progress 72.5%
Rock Products Committee YES

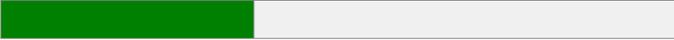
Purpose Develop design/construction Guidelines or Test Methods/Laboratory Procedures to facilitate implementation of FDR-FA in Caltrans projects.

Overall Progress Drafts of SSP, Test Method, and Guide have been developed and reviews are underway.

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|-----------|------------|-----------|---|
| # 1 Test Method | Materials | 7/1/2008 | 5/30/2011 | 60 | 95 | Draft submitted to METS on 2-15-11. Met w/ METS (Vijay/Rob) to discuss. Meeting to be set with Nahid/Rob/Catrina on equip/warm mix. |
| # 2 Report and Guideline Recommendations | UCPRC | 7/1/2008 | 3/30/2011 | 100 | 100 | UCPRC doc is final. |
| # 3 Final Guidelines | Conc Pvmt | 12/15/2010 | 5/30/2011 | 50 | 70 | Draft submitted to subtask group for review comments on 2/15/11. |
| # 4 Draft SSP to FTG | Conc Pvmt | 3/8/2011 | 6/30/2011 | 50 | 40 | Began subtask group review. |
| # 5 SSP published by OE | Conc Pvmt | 6/30/2011 | 9/30/2011 | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 6/2009: SSP is Completed
8/31/2010: Waiting for final UCPRC guide which is a part of \$1.8 m contract that ended on 6/30/2008. Reviewing UCPRC mix-design and testing method for D-02, SR 299 project. Observed field samplings and onsite testings (FWD and DCP) conducted by UCPRC. UCPRC will inform when performing lab-tests on pulverised samples.
9/28/2010: Meeting with UCPRC pertaining to the comments on UCPRC-guidelines. Once UCPRC-guidelines is finalized, Caltrans version based on the UCPRC-guidelines will be developed.
12/30/2010: Received final Guideline document in word format from UCPRC. Development of document-structure for Caltrans version is started.-pdb
3/1/11: Subtaskgroup meeting held on 2-15-11. Drafts submitted for review/comments. Next meeting on 3-8-11.-pdb
3-11-11: Subtaskgroup meeting held on 3-8-11. Cancelled SSP for CFIPR reviewed for revisions. Next meeting on 4-13-11.-pdb
4/4/11: Updated lead info and Test Method target date.-pdb
4/11/11: Updates.-pdb

Project **Pulverize Flexible Pavement**
Task Group Foundation
Subtask Group Treated Soils and Bases
Target Completion Date 10/31/2012
Priority 4
Status Active
Progress  37.5%
Rock Products Committee YES

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

Overall Progress Drafts of updated guide and ssp have been developed, but review deferred in lieu of FDR Foamed Asphalt effort. To maintain schedule, the test method development may be deferred to a separate project (use a standard cement application rate such as 2% ?).

Project Lead Robert Hogan
Office Concrete Pavement
Phone 916 227 5441
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--------------------------------|-----------|------------|------------|------------|-----------|---|
| # 1 RPC Scoping Doc | Conc Pvmt | 1/5/2011 | 1/31/2011 | 100 | 100 | No comments. Scoping doc updated. |
| # 2 NSSP/Pilot Projects | Conc Pvmt | 1/5/2011 | 5/31/2012 | 50 | 20 | Draft nSSP submitted to subtaskgroup for review/comments on 2/15/11. NSSP will be tested on a couple of projects. |
| # 3 Additive Test Procedure | Materials | 2/1/2011 | 7/29/2012 | 0 | 15 | Need to develop. May drop and specify standard cement content. |
| # 4 Pulverization Guide Update | Conc Pvmt | 2/1/2011 | 10/31/2012 | 50 | 10 | Draft guide submitted to subtask group for review/comments on 2-15-11. |
| # 5 SSP to FTG | Conc Pvmt | 5/31/2011 | 10/31/2011 | 0 | 0 | Continue developing and hold or pilots. |
| # 6 SSP published by OE | Conc Pvmt | 5/31/2012 | 10/31/2012 | 0 | 0 | Hold until pilots are evaluated. |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

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

Project 2010 Specification (Plain Language)
Task Group Preservation
Subtask Group 2010 Standard Specification
Target Completion Date 5/15/2011
Priority 1
Status Active
Progress  92.8 %
Rock Products Committee YES

Purpose Revise 2006 Standard specification and SSP to plain language, sections 37, 41, and 42

Overall Progress Version 6 achieved for all sections. Submitted parallel changes to slab replacement SSP for 2006 spec to match 2010 spec.

Project Lead Vacant
Office Concrete Pavement
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|-----------|------------|-----------|---|
| # 1 Section 37 | Asphalt | 6/1/2009 | 3/25/2011 | 85 | 100 | Version 4 |
| # 2 Section 41 | Conc Pvmt | 11/15/2009 | 3/25/2011 | 100 | 100 | Version 6 3-4-11 |
| # 3 Section 42 | Conc Pvmt | 11/15/2009 | 3/25/2011 | 100 | 100 | Version 6 2-10-11 |
| # 4 Section 41 - 2006 Parallel Changes | Conc Pvmt | 2/23/2011 | 5/15/2011 | 75 | 50 | Submitted for final concurrence 3-23-11 |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 3-23-11, Irouen, sect 41 parallel version sent for concurrence.
3-4-11, Irouen, sect 41 concurrence obtained. V6 sent to OE.
3-3-11, Irouen, final version sent to Construction, FHWA and Legal
2-28-11, Irouen. Section 41 waiting Construction and FHWA concurrence
2/10/11, Irouen. Full concurrence on Section 42. Section 41 FHWA
1/31/2011, Irouen, workshop for section 41 & 42 held on 1/28. Agreement made on section 42. Sent to FHWA, Const & Legal. Legal has concurred. Section 41 needs SSP, in progress.
1/11/2011, Irouen, Resolved comments for Section 42. Section 41 scheduled for 1/14/11
1/4/2011 V5 for Sections 41 & 42 approved by FHWA. Comment from Construction being addressed. No response from Legal
7-28, rec'd draft section from OE for review. Need Version 1 by September 13
Submitted draft sect 37 to OE December 1, 2009. Waiting OE action for BEES items, etc

Project **Task Group** **Subtask Group**

Target Completion Date **Priority** **Status** **Progress** **Rock Products Committee**

Purpose

Overall Progress

Project Lead **Office** **Phone** **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--------------------------------|--------|------------|------------|------------|-----------|-------------------|
| # 1 Update NSSP | Engr | 6/1/2008 | 5/2/2011 | 40 | 100 | Under Development |
| # 2 Pilot and Test material | Chico | 7/1/2011 | 10/31/2011 | 0 | 0 | |
| # 3 MTAG Update | Chico | 9/1/2011 | 12/30/2011 | 0 | 0 | |
| # 4 Standard Special Provision | Engr | 7/1/2011 | 1/2/2012 | 0 | 0 | |
| # 5 Performance report | Chico | 7/1/2011 | 3/30/2012 | 0 | 0 | |
| # 6 Training | Engr | 4/2/2012 | 6/29/2012 | 0 | 0 | |
| # 7 | | | | 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, Irouen update targets and Pys
 2/14/11, Update target dates and task definitions, PJV

Project Cold in-place recycling **Task Group** Preservation **Subtask Group** Recycling

Target Completion Date 7/1/2012 **Priority** 3 **Status** Active **Progress** 0 % **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

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|--------|------------|-----------|------------|-----------|----------------------|
| # 1 Evaluate existing pilot projects | Chico | 7/1/2008 | 11/1/2011 | 0 | 85 | Pending |
| # 2 Develop standard specifications | Engr | 11/1/2011 | 7/1/2012 | 0 | 0 | Modifications to SSP |
| # 3 Standardize test methods/ lab procedures | Mets | 7/1/2011 | 7/1/2013 | 0 | 0 | |
| # 4 Develop guidelines/ MTAG update | Engr | 11/1/2010 | 7/1/2012 | 0 | 25 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 7/29/2010 Approximately 7 projects have been done and 3 more upcoming.

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

Target Completion Date 7/1/2014 **Priority** 4 **Status** Active **Progress**  26 % **Rock Products Committee** YES

Purpose NSSP for Rubberized Slurry Seal. There are at least 3 products (REAS, TRMS & TRMSS) used to produce and rubberized asphalt emulsion slurry seal. The REAS has been determined by our Legal division to be proprietary. There is a need for a generic

Overall Progress

Project Lead Peter Vacura **Office** Asphalt Pavement **Phone** 916-227-5854 **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|----------------------------------|----------|------------|------------|------------|-----------|--------|
| # 1 Create NSSP | Engr | 6/1/2009 | 5/1/2010 | 100 | 100 | Done |
| # 2 Construct D-11 Test section | District | 2/15/2011 | 7/29/2011 | 30 | 30 | |
| # 3 Evaluation of Pilot projects | Chico | 8/1/2011 | 8/1/2013 | 0 | 0 | |
| # 4 SSP | Asphalt | 8/1/2011 | 12/30/2011 | 0 | 0 | |
| # 5 Guidelines | Chico | 8/1/2011 | 12/30/2011 | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 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.
1/13/11, Irouen, updated targets and Pys

Project Partial depth repair concrete repair **Task Group** Preservation **Subtask Group** Rigid Pavement

Target Completion Date 9/2/2012 **Priority** 5 **Status** Active **Progress** 0 % **Rock Products Committee** YES

Purpose Standard plans and specification for partial (spall) repair

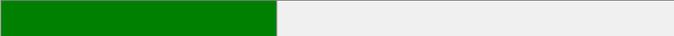
Overall Progress

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|-------------------------------------|--------|------------|----------|------------|-----------|--------|
| # 1 Update SSP for spall repair | Engr | 7/1/2011 | 7/2/2012 | 0 | 0 | |
| # 2 Standard plans for spall repair | Engr | 7/1/2011 | 7/2/2012 | 0 | 0 | |
| # 3 Update spall repair chapter | Chico | 2/1/2012 | 9/1/2012 | 0 | 0 | |
| # 4 | | | | 0 | 0 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 1/13/11, lrouen, updated targets and pys
2-28-11, verified pys. Lrouen

Project Full Depth Concrete Repair **Task Group** Preservation **Subtask Group** Rigid Pavement

Target Completion Date 1/1/2013 **Priority** 5 **Status** Active **Progress**  40.8 % **Rock Products Committee** YES

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

Overall Progress Consultant has finished draft guide. Interim nSSP being reviewed. New spec change proposals being collected and reviewed.

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|-----------|------------|-----------|---|
| # 1 Create interim nSSP | Conc Pvmt | 3/1/2011 | 5/1/2011 | 95 | 55 | Given to District 8 to review |
| # 2 Consolidate slab replace guidelines and update | UCPRC | 8/1/2011 | 6/30/2011 | 75 | 0 | Guidelines drafted. Awaiting draft spec to send out for review. |
| # 3 Draft new SSP to reflect need changes (ie D-7) | Conc Pvmt | 3/1/2011 | 5/1/2011 | 65 | 55 | Incorporated D7 proposals. Reviewing others. |
| # 4 Review and Negotiate new SSP | Conc Pvmt | 5/1/2011 | 4/1/2012 | 0 | 0 | |
| # 5 Finalize new SSP | Conc Pvmt | 4/1/2012 | 6/30/2012 | 0 | 0 | |
| # 6 Update guidelines to reflect SSP changes | Conc Pvmt | 4/1/2012 | 6/30/2012 | 0 | 0 | |
| # 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

Project **Task Group** **Subtask Group**

Target Completion Date **Priority** **Status** **Progress** **Rock Products Committee**

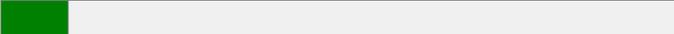
Purpose

Overall Progress

Project Lead **Office** **Phone** **E-FIS Project Number** **E-FIS Subtask Number**

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|---------------------|----------|------------|-----------|------------|-----------|--------------|
| # 1 nssp | Engr | 6/1/2009 | 9/1/2011 | 25 | 80 | Needs rework |
| # 2 Test section | District | 6/1/2011 | 11/1/2011 | 0 | 0 | |
| # 3 Evaluation | District | 12/1/2011 | 2/1/2012 | 0 | 0 | |
| # 4 | | | | 0 | 0 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log Test project in District 8 to begin in August.
 Spec will be revised based upon issues that may arise.
 1/11/11, Irouen, revised target dates and Pys
 1/14/2011 pv, to be with Co-chairs.

Project Hot in-place recycling (HIR)
Task Group Preservation
Subtask Group Recycling
Target Completion Date
Priority 8
Status Active
Progress  10 %
Rock Products Committee YES

Purpose Create specifications for HIR

Overall Progress

Project Lead
Office Pavement Engineering
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|--------|------------|----------|------------|-----------|-------------------|
| # 1 Evaluate pilot project (02-TRI-299) | Chico | 11/1/2010 | 4/1/2011 | 50 | 100 | Under Development |
| # 2 revise nssp | Engr | 2/1/2011 | 6/1/2011 | 0 | 50 | Under Development |
| # 3 Develop & evaluate additional pilots & NSSPs | Engr | 7/1/2011 | 2/1/2012 | 0 | 0 | Under Development |
| # 4 Develop mix design CT's/ lab procedures | Mets | 7/1/2012 | 7/1/2013 | 0 | 0 | Under Development |
| # 5 Develop usage guidelines/ MTAG update | Engr | 7/1/2012 | 7/1/2013 | 0 | 0 | Under Development |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log An nssp is to be used for a HIR project 02-TRI-299, beginning August 9 2010. Use of HIR was suspended on this project after 6 lane-miles (out of 20 total) due to roughness and poor surface characteristics. UCPRC reports recycling machines were underpowered. D2 RE Wayne Rinard 530-515-4587.
1/11/11, Irouen, revised target dates fro nssp, mix design and MTAG
1/14/2011 pv, to be discussed with Co-chairs.

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

Target Completion Date **Priority** 10 **Status** Active **Progress** 25 % **Rock Products Committee** YES

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

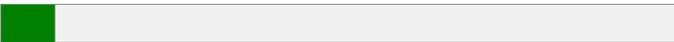
Overall Progress

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|-----------------------|---------|------------|-----------|------------|-----------|-------------------------|
| # 1 SSP | Asphalt | 12/1/2008 | 6/30/2011 | 25 | 90 | Under Development |
| # 2 Evaluation Report | Chico | 10/1/2010 | 4/1/2011 | 20 | 100 | |
| # 3 Update Guidelines | Asphalt | 3/1/2011 | 6/30/2011 | 0 | 30 | |
| # 4 nssp | OE | 12/1/2008 | 12/1/2010 | 100 | 100 | Completed by Task Group |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log Test section have been completed in district 11.
 NSSP is currently in use.
 1/13/11, Irouen, updated Pys
 2/9/11, Added nSSP deliverable

Project Warm mix asphalt rubber chip seal **Task Group** Preservation **Subtask Group** Seals & Coats

Target Completion Date 6/30/2013 **Priority** 11 **Status** Active **Progress**  8% **Rock Products Committee** YES

Purpose Introduce WMA technology into asphalt rubber chip seal strategies.

Overall Progress

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|----------------------------------|----------|------------|------------|------------|-----------|-------------------|
| # 1 NSSP | Asphalt | 8/3/2010 | 5/1/2011 | 80 | 90 | Under Development |
| # 2 Project Selection Guidelines | Asphalt | 1/1/2011 | 9/30/2011 | 0 | 35 | |
| # 3 Test Projects | District | 7/1/2011 | 10/30/2012 | 0 | 0 | |
| # 4 Evaluation Report | Chico | 10/30/2011 | 2/1/2013 | 0 | 0 | |
| # 5 SSP | Asphalt | 2/1/2012 | 6/1/2013 | 0 | 0 | |
| # 6 Update Guidelines | Asphalt | 4/1/2012 | 6/30/2013 | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 8/3/10-nssp just being developed for possilbe CT demo project in D6, Fresno Rte 5.
 1/11/11, Irouen, revised Pys and target dates.
 2/14/11, Rewrite purpose and need, PJV

Project **Task Group** **Subtask Group**

Target Completion Date **Priority** **Status** **Progress** **Rock Products Committee**

Purpose

Overall Progress

Project Lead **Office** **Phone** **E-FIS Project Number** **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 | 3/31/2011 | 0 | 105 | |
| # 3 Update Specifications | Asphalt | 2/15/2011 | 6/30/2011 | 0 | 35 | |
| # 4 Post on Web | Asphalt | 6/30/2011 | 6/30/2011 | 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

Project
Task Group
Subtask Group

Target Completion Date
Priority
Status
Progress
Rock Products Committee

Purpose

Overall Progress

Project Lead
Office
Phone
E-FIS Project Number
E-FIS Subtask Number

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|--|-----------|------------|-----------|------------|-----------|-------------------------------------|
| # 1 Caltrans Joint Seal Practice Report | Conc Pvmt | 7/1/2010 | 4/1/2011 | 90 | 105 | writing report between other tasks. |
| # 2 Test Section for 1/4" joints with seal, 1/8" no seal | Conc Pvmt | 9/1/2010 | 4/30/2012 | 20 | 35 | draft test section workplan |
| # 3 Section 40-1.02L(4)-joint width/depth compression | Conc Pvmt | 2/1/2011 | 2/1/2012 | 0 | 20 | under development |
| # 4 40-1.03E(6)-splicing of transverse seal | Conc Pvmt | 2/1/2011 | 2/1/2012 | 0 | 20 | under development |
| # 5 40-8.03C(8)-install PCS as an option. | Conc Pvmt | 2/1/2011 | 2/1/2012 | 0 | 20 | under development |
| # 6 Update Std Plans, Specs, and Manuals for joints | Conc Pvmt | 3/1/2011 | 8/30/2012 | 0 | 5 | has not started yet. |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log

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

Target Completion Date Priority **16** Status **Active** Progress 0 % Rock Products Committee **YES**

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

Overall Progress

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

| Deliverable or Task | Office | Start Date | End Date | Complete % | Elapsed % | Status |
|------------------------------|----------|------------|-----------|------------|-----------|--------|
| # 1 JITT for micro-surfacing | Industry | 1/3/2010 | 11/1/2010 | 0 | 150 | |
| # 2 Final JITT | | 2/1/2011 | 4/1/2011 | 0 | 105 | |
| # 3 | | | | 0 | 0 | |
| # 4 | | | | 0 | 0 | |
| # 5 | | | | 0 | 0 | |
| # 6 | | | | 0 | 0 | |
| # 7 | | | | 0 | 0 | |
| # 8 | | | | 0 | 0 | |

Log 1/13/11, Irouen, verified pys and target