	Rock Products Committee Management Status Report Workplan Report for: Fiscal Year '10/11' to '11/12'				11/02/2011 10:10:11 AM
Asphalt Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
1	2010 Specifications (Plain Language)	Develop plain language specifications for construction with focus on HMA and asphalt binder specifications.	Project Complete.	3/18/2011	100
2	Warm Mix Asphalt	Develop a specification and testing protocol to correctly implement the use of WMA technology in California.	Completed WMA Approval Process. Completed draft Contractor Option Specifications and identifying projects for monitoring and evaluating.	1/1/2012	90
3	HMA Materials Test Methods	Revise test methods for HMA as specifications have been revised.	Of 31 CTMs reviewed, 29 posted to CT web. 4 (2 original and 2 supplemental) modified to match up with new CTM 304.	1/2/2012	97
4	Section 39	The purpose of the standing committee on Section 39 subtask group is to identify, prioritize, address deficiencies, and improve Section 39 specification on an ongoing basis.	Resolved 18 of 20 1st priority issues. To be posted on HQOE server 10/21/11 Resolved 1 of 9 2nd priority issues. Resolved 3 of 4 3rd priority issues. Added FAQ	10/31/2012	60
5	Moisture Sensitivity of HMA	Identify an effective test to evaluate moisture sensitivity of HMA and the treatment alternatives for mositure sensitive HMA	MSHMATG approved the work plan. CT 371 evaluation report, and tech memo recommending Hamburg Wheel Tracking Device and discussed draft implementation plan. Recommended details be developed in concert with other subtask groups.	6/30/2012	80

Asphalt Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
6	RHMA Usage	Evaluate Rubberized HMA (RHMA) performance and improve specifications, mix design requirements, and construction as appropriate.	Work plan updated & approved. CT 368 Part 1 completed; Part 2 is in progress. Draft work plan for using Type I (with specs) developed. MPQP for ARB posted on 10/3/11. District RHMA performance survey results summarized and presented to Subtask Group.	6/30/2012	50
7	Section 39 Smoothness (Short Term)	Revise Smoothness specifications in Section 39 since the current version does not consider existing pavement conditions for thin lift paving.	Industry/Department reviewed CPD. Comments addressed. Specification completed and submitted to HQ Office Engineer. CPD in publications unit for posting.	10/21/2011	100
8	Section 39 Smoothness (Long Term)	Develop revised specs for pavement smoothness using the inertial profiler.	Gathering certification and calibration procedures from other States. Incorporated NSSP for evaluation on five projects scheduled for 2012 construction season.	3/1/2013	35
9	Quieter Flexible Pavement	To reduce tire noise and improve permeability and durability of OGFC mix designs.	Laboratory evaluation was performed on 3 OGFC mixes. HVS testing and evaluating is underway at UC Davis.	6/30/2013	20
10	Safety Edge (Asphalt)	Develop statewide policy for the use of the "safety edge" on edge drop offs for asphalt pavements.	Lak/Men project under construction. The spec is incorporated in Section 39 revision.	12/30/2011	90

Asphalt Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
11	Longer Life Flexible Pavements	Design and build longer life flexible pavements in California to minimize the needs for future structural improvement or rehabilitation.	Selected and designed 4 (Red Bluff, Weed, Solano, and Willits) long life flexible pavement projects in northern California.	6/30/2013	55
12	Materials Plant Quality Program (MPQP) RHMA	Find a means of better controlling construction process by requesting materials records at plant during hot mix asphalt production.	Caltrans staff visited two plants with 2 different blending units. CT & Industry met on 9/15 to review the 8/23 version. Minor edits were made; final doc was expected by 9/29 in time for the 9/30/11 posting. MPQP for ARB posted on 10/3/11.	9/30/2011	100

Concrete Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
1	Add Water at Job-Site (Complete)	Spec Change to define circumstance when it is appropriate to add water (within mix design parameters) to batched concrete at the job-site	Project Complete.	6/24/2010	100
2	2010 Plain Language Update (Complete)	Convert existing specifications to “Plain Language” format.	Project Complete.	6/2/2011	100
3	Evaluate the need for CT 515 (Complete)	Evaluate the need for CT 515 and eliminate if no longer necessary. Provide changes to specifications where appropriate.	Project Complete.	10/27/2010	100
4	Compressive Strength of Structural Concrete (Complete)	Current specifications do not require submission of compressive strength data for structural concrete unless it is greater than 3600 psi. A minor revision to Section 90 is necessary to address this issue	Project Complete.	11/23/2010	100
7	Revise QPL/AML Process for Cement and SCMs (Complete)	Update Cementitious Material Sampling process from sources.	Project Complete.	6/30/2011	100

Concrete Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
5	QC/QA Specification for Cast-in-Place Concrete	Implement QA specifications for materials management of structural concrete.	FHWA/DOT practices and QC outline report final. Draft QA guideline report being reviewed by project team. ACMs recommended 20 projects of which 10 will be used. METS working on getting ACI certs for staff. Spec in progress. Extensive outreach program.	7/1/2012	60
6	Precast Structures Specification/Precast QCQA Provisions	Update spec to add additional levels (e.g. minor non-structural) of QC/QA for precast and separate precast from section 90	The combined scoping document was approved by TG on 7/14/11. Project team is being formulated to handle the issue. An outline of the spec is being created.	1/1/2013	35
8	Section 90 Provisions for Concrete of 4000 psi or Greater	Section 90 caps cement. Industry concerned about caps effect on projects.	Project is currently delayed for six months until April 2012 while Industry gathers additional information related to applicable Structural Concrete-related issues. This was proposed as a result of the "MC for Pavement" activity resolution.	6/1/2012	30
9	Statewide Aggregate Source Database	Database for Statewide consistency in aggregate source testing. Centralized database.	Schema data/results extracted ASTM's. Tabulating schema/developing code.	7/1/2012	45

Concrete Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
10	Elimination of Mock-Up Requirement for SCC Precast Option	Eliminate Mock-up requirement when SCC is used for precast.	This issue became the first priority as it only requires a quick change to the specification. The scoping document was approved by Task Group on 7/14/11 meeting. A draft change has been proposed, which needs further discussion at project team level.	1/1/2012	65
11	Precast Concrete Pavement	Develop comprehensive departmental guidance or standard approach on the use of precast concrete pavement.	PPCP nSSP was updated based on lessons learned from CC-680 project in 9/7 meeting. Meeting is scheduled to review Std. details on 1/3/11.	11/30/2012	20
12	Section 40 Technical Changes	To revise Section 40.	RSS to be submitted to mandatory stakeholders in the week of October 24.	12/30/2011	85
13	Coefficient of Thermal Expansion (CoTE)	To include CoTE as a design and construction criteria for concrete pavements	No new activity in this period. Two test data from D3 is reported.	12/30/2012	20
14	Safety Edge (Concrete)	Implement "safety edge" for rigid pavements.	Spec and plans included in the Section 40 revision. E-Gap safety edge pilot project scheduled for end of October.	12/30/2011	70
15	CRCP Design Details	Prepare and improve CRCP std. plans.	New language for supporting chairs and construction joints were agreed in 7/28 meeting (part of Sec. 40). New issues were added to the existing scoping document. Final draft CRCP design details to be ready on 10/14/11 for concurrence.	12/30/2011	96

Concrete Task Group					
Overall Progress	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
16	Rapid Strength Concrete for JPCP	Prepare specification for use of rapid strength concrete (RSC) for new construction of jointed plain concrete pavement (JPCP)	9/23 Comments from Construction and Industry are being reviewed and addressed	3/28/2012	45
17	Fully Pervious Concrete Pavement	Develop specifications for a fully pervious concrete pavement for low-risk applications (e.g., parking lots, bike paths).	Specifications for pervious concrete and interlocking pavers circulated in work group. Met Sept 1 & 21, 2011. Discussed comments of work group review on material. Next meeting Oct 25. Email discussions of foundation prep underway.	12/31/2011	50
18	Bond Breaker	Investigate different alternatives available not to bond concrete pavement and LCB.	A potential project has been identified Dist 8 I-15.	6/30/2013	45
19	Smoothness	Develop inertial profiler smoothness specifications and calibration test procedures for acceptance on concrete pavement. Develop Caltrans protocols for equipment and operator certification.	On 8/23 meeting discussed the proposed change to lower the threshold with Industry. Follow up meeting scheduled on 10/17. Four projects have been advertised with the nSSP (1 by addendum).	12/31/2014	35
20	Update Construction Manual	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.	Subject matter experts creating workplans and drafts for section 4 subsections.	7/1/2012	35

Concrete Task Group					
Overall Progress	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
21	CT 559 and Minimum cementitious issue for Pavement	CT559 test requirements and minimum cementitious materials listed in section 40 conflicts with equations in section 90.	This issue was raised from Technical changes on section 40 and transferred to materials and QA STG as a priority item. Scoping document approved by Task Group during CT only meeting on 9-21-11.	1/16/2012	90

Pavement Foundation Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
1	2010 Specifications (Plain Language)	Convert existing specifications to “Plain Language” format.	Project Complete.	2/18/2011	100
2	Cement Treated Subbase (CTS)	Provide soil treatment as an alternative to bases.	Draft SSP circulated to districts 9-21, comments due 10-21. Meeting with David Jones (UCD) on guidance on 10/26.	1/20/2012	65
3	Full Depth Reclamation Using Foamed Asphalt	Develop design/construction Guidelines or Test Methods/Laboratory Procedures to facilitate implementation of FDR-FA in Caltrans projects.	Addressing comments on 7-27 draft SSP. Next meeting 11/2 to discuss comments and new draft.	3/15/2012	80
4	Pulverization	Develop a standard special provision (SSP) for pulverized flexible pavement. Update existing guidance to include additives (cement and lime). Create test procedures.	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). TG meeting held 5/24/11.	7/2/2012	30
5	Concrete Base	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.	Responses to comments developed, documentation underway. Due 3-1.	6/1/2012	0

Pavement Foundation Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
6	Rapid Setting Lean Concrete Base	Provide specifications for use of rapid setting lean concrete base.	Responses to comments developed, documentation underway. Due 3-1.	6/1/2012	0
7	Geogrid	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.	Compiled manufacturers submitted data sheets for comparison. Compiled other DOTs specifications. Reviewed FHWA and other pavement design guidance's for use of geogrids. Team members are asked to provide additional geogrid requirements.	6/30/2012	5

Pavement Preservation Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
1	2010 Specification (Plain Language)	Convert existing specifications to "Plain Language" format.	Project Complete.	5/18/2011	100
2	Hot In-Place Recycling (HIR)	Create Specifications for HIR	Evaluation report to be completed in July 2011. Preliminary findings conclude that the strategy had minimum success.	8/4/2011	100
3	Cold In-Place Recycling	Evaluate existing pilot projects and develop standardized lab procedures for mix design, project design and construction guidance, and standard specifications for CIR.	The Group has met three times (last, 9-9-2011) to address; Specification, Mix design, Smoothness, Project Selection, Addition of Cement, and Cores vs. Milling issues. A task order has been written for Recycling Center to investigate problem areas.	9/1/2012	20
4	Fog Seal	Investigating Fog Seal/Rejuvenator materials for skid resistance issues and introducing as a strategy again	Reviewing test requirements to revise specification language.	12/1/2013	70
5	Rubberized Slurry Seal	Develop a nSSP for Rubberized Slurry Seal, evaluate performance and determine if strategy is beneficial for use on projects.	District 6 test section was constructed 9/20/11 and District proceeded with entire project as rubberized slurry seal. Industry has submitted revised NSSP and in process of being converted to plain language.	12/30/2013	35
6	Modified Binder Chip Seal (PM/TR)	Improve and expand the polymer modified chip seal spec to include terminal blend rubber	Sub Task Group to evaluate and update work plan. Previous project locations have been uploaded to CP2C innovation database for a history of use.	3/1/2012	35

Pavement Preservation Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
7	Scrub Seal	Develop specifications to use scrub seal as a preservation method.	Draft NSSPs delivered to Caltrans. Converting specification to plain language format.	9/3/2013	5
8	Warm Mix Asphalt Rubber Chip Seal	Introduce WMA technology into asphalt rubber chip seal strategies.	Project selected in District-7 on Ven 150. Placed and evaluated by Chico State.	12/1/2012	50
9	Joint Sealing	Assure that the state funds are used in the most efficient manner possible over the life of the pavement.	10/3/2011 the industry is no longer interested in pursuing building test sections. 10/13/2011 A modified work plan without the test sections is attached in the reports data base.	7/1/2012	35
10	Partial Depth Concrete (Spall) Repair	Standard plans and specifications for partial depth (spall) repair.	Scoping document has been drafted. Under subtask group review. Workplan draft begun	9/25/2012	5
11	Full Depth Concrete Repair (Slab Replacement)	Provide consistency in the specifications and plans used throughout the State.	9/26 Received updated webcourse for slab replacement. Replace Underlying Base (RUB) and Drill and Bond Dowel Bar (DBDR) specs are being reviewed.	3/16/2012	70
12	Chip Seal Just In Time Training (JITT)	Train CT and contractor personnel on Chip Seal construction.	Module completed.	12/31/2011	90
13	Micro-Surfacing JITT	Train CT and contractor personnel on micro-surfacing construction	Module completed.	12/31/2011	90

Pavement Preservation Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
14	Quieter Concrete Pavement Research	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.	Ongoing quieter pavement research and evaluation of existing concrete pavements and NGCS test sites. First & 2nd yr report by Oct 31. Sac I-5 NGCS pilot project completed. After measurements of OBSI and surface characteristics by Oct 31, 2011.	12/31/2012	40
15	DBR polyester backfill	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 susceptible to degradation during the construction process	Task cost estimate from Chico received 8/12. Testing of installed DBR to begin November or December.	12/31/2016	0