	Rock Products Committee Management Status Report Workplan Report for: Fiscal Year '10/11' to '11/12'				12/01/2011 9:15:53 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	12/31/2012	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
6	RHMA Usage	Evaluate Rubberized HMA (RHMA) performance and improve specifications, mix design requirements, and construction as appropriate.	Work plan 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	60

Asphalt Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
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	30
10	Safety Edge (Asphalt)	Develop statewide policy for the use of the "safety edge" on edge drop offs for asphalt pavements.	Lak/Men project was completed with about 68 lane-mile of safety edge. The spec is incorporated in Section 39 revision and sent for concurrence (deadline 11/21/11).	5/31/2012	90
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
5	QC/QA Spec 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 has been created and was sent to Specifications personnel on October 12.	1/1/2013	35

Concrete Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
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
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 TG on 7/14/11 meeting. A draft change has been proposed, and will be distributed to the TG for final approval.	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. Std. details discussed in 11/3/11 meeting and to be updated in 12/6 meeting. Draft ISR(PCP) spec and plan is prepared and to be discussed on 12/6 meeting.	11/30/2012	30
12	Section 40 Technical Changes	To revise Section 40.	Section 40 package (2010 RSS, 2006 parallel, and Std. Plans) was submitted to mandatory stakeholders on 10/31/11 with 11/10/11 deadline. Legal concurred on 11/03/11. Additional comments by Construction addressed, out on 11/16/11 with deadline of 11/21/11.	12/30/2011	90
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

Concrete Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
14	Safety Edge (Concrete)	Implement "safety edge" for rigid pavements.	Spec and plans included in the Section 40 have been sent out for concurrence (deadline 11/21/11). E-Gap safety edge for about quarter mile was built on November 2.	5/31/2012	90
15	CRCP Design Details	Prepare and improve CRCP std. plans.	Draft CRCP standard plans included with Section 40 have been sent out for concurrence (revised deadline 11/21/11).	8/30/2012	95
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 conc pavement for low-risk applications (e.g., parking lots, bike paths).	Circulated draft specifications for concrete and pavers in work group 10/31 and received 1 comment on pavers. Next meeting 11/30/11.	3/30/2012	55
18	Bond Breaker	Investigate different alternatives available to not bond concrete pavement and LCB.	A potential project has been identified Dist 8 I-15. Working with project manager to implement change order for modified structural sections.	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.	Met with industry 10/17 to discuss lowering the PI threshold. Preliminary list of implementation issues for CT established. Will be circulated by industry. Met with Sac Co. on potential cert sites. 4 projects 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					
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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 TG during CT only meeting on 9-21-11. Goal is to complete by December 15 STG meeting.	1/16/2012	90
22	Recycled Concrete Materials specification development	This activity aims to evaluate the possibilities of using recycled concrete (both hardened and plastic) for CT projects.	Was proposed at the October 13, 2011 Task Group meeting. Scoping document has been drafted, will be discussed by project team, and will be submitted to the Task Group for review and approval. Work plan is currently in the development phase.	6/30/2013	0

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.	Meeting on Subgrade Stabilization Guide on 11-1-11; target for updated draft 11-23-11. SSP comment resolution complete; new draft is dated 11-18-11.	1/20/2012	70
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.	Next STG meeting 11/29 to discuss new draft SSP which has been circulated. Further comments on test method received 11/2 were referred to METS; target still 3-15-12.	3/15/2012	80
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.	Target date for general circulation of draft is 11/30/11.	6/1/2012	0
6	Rapid Setting Lean Concrete Base	Provide specifications for use of rapid setting lean concrete base.	Target date for general circulation of draft is 11/30/11.	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.	Caltrans decided to use geogrid for flexible pavement section by incorporating thickness credit to the unbound materials. BX 1200 geogrid will be used as a model to implement geogrid into the flexible pavement section.	6/30/2012	20

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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 slurry seal project has been completed, the District proceeded with entire project as rubberized slurry seal. Industry has received 1st draft of NSSP and at next meeting, will review and work on the comments.	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
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	10
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

Pavement Preservation Task Group					
Project Number	**Project**	**Purpose**	**Overall Progress**	**Target Completion Date**	**Percent Complete**
9	Joint Sealing	Sealing or resealing transverse concrete pavement joints may not be necessary or cost effective for all climate zones in California.	Work plan and schedule updated. Current Caltrans and national practice under review. Draft plans, policy, and specs under development.	8/1/2012	45
10	Partial Depth Concrete (Spall) Repair	Standard plans and specifications for partial depth (spall) repair.	Draft workplan is under task group review.	9/25/2012	15
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.	3/31/2012	80
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	Modules completed.	12/31/2011	90
14	Quieter Concrete Pavement	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 received Nov 2, 2011. Sac I-5 NGCS pilot project completed. After measurements of OBSI and surface characteristics delayed to Dec.	12/31/2012	45
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 December or January.	12/31/2016	0