



AGENDA

**Concrete Products Task Group Meeting
(CT-Industry)
July 11, 2013
Time 10:00 AM to 12:00 PM
Room 514 – Translab – OSM Annex Building
5900 Folsom Blvd.
Sacramento, CA 95814**

| Time | Topic | Presented By | Purpose/Endstate |
|---|---|-------------------------------------|---|
| 1000 – 1005 | Welcome, Attendance and Agenda Review | All Co-Chairs | Meeting Begins |
| 1005 – 1015 | Review Last Meeting's action items | All Co-Chairs | Establish/Close-Out Due-Outs |
| 1015 – 1020 | Housekeeping Items – The following are to be discussed: <ul style="list-style-type: none"> • Current Print-Out Package • Concrete Task Group Website • 2013 Calendar | Bobby Petska | Ensure all members are postured for success |
| 1020 – 1040 | "State of the Industry" Update Brief | Industry Co-Chairs | Ensure key concerns from Industry are heard |
| 1040 – 1050 | General Discussion of New Topics (e.g. New products and/or external committee discussion) | TG Co-Chairs | Ensure all potential and upcoming topics are discussed |
| Sub-Task Group co-chairs provide update on <ul style="list-style-type: none"> • Progress Reports • Review of Issues, including level of effort and updates to scoping documents • Discussions of any new proposed Scoping Documents • Discuss any recommendations for changes in priorities • Review updated scoping documents | | | |
| 1050 – 1110 | Materials/QA Sub-Task Group | Keith Hoffman/Mark Hill | STG Co-Chairs provide update on decisions made/concerns for each activity |
| 1110 – 1130 | CIP Pavement Sub-Task Group | Mehdi Parvini/Craig Hennings | STG Co-Chairs provide update on decisions made/concerns for each activity |
| 1130 – 1150 | Precast Sub-Task Group | Jeremy Peterson-Self/Cliff Ohlwiler | STG Co-Chairs provide update on decisions made/concerns for each activity |
| 1150 – 1200 | Round Table Discussion, Discussion Issues, Questions and Action items | All | Document due-outs and decisions made |

Concrete Products Meeting Action Item Review

Below is the brief summary and status of action items from the previous TG meetings:

| Action Items from 4/11/13 meeting | Due Date | Responsible Person | Status |
|--|---------------|--------------------------------------|--|
| Link RPC Website to the Concrete Task Group website on METS-OSM Page | 11 July 2013 | Chuck Suszko | Pending |
| Discuss scheduling of Green Sulcrete discussion at the next CalcIMA Technical Committee meeting or the next RPC Meeting | 1 May 2013 | Bobby Petska/Keith Hoffman | Discussion took place at May 1 meeting |
| Create a Spreadsheet to capture Precast Pavement Pilot Projects, dates project meetings took place, and Lessons Learned notes | 11 July 2013 | Mehdi Parvini/Jeremy Peterson-Self | Complete |
| Refine Work Plan for the "Precast Pavement" project that consists of formal list of Pilot Projects and Activity End Date | 11 July 2013 | Mehdi Parvini/Jeremy Peterson-Self | Scoping document to be revised for time at project team level |
| Conduct follow-up meeting regarding "Dowel Bar Alignment" Scoping Document | 29 April 2013 | Mehdi Parvini/CIP Pavement STG | Impasse sent to RPC level |
| Innocuous Aggregate Link Updating – Capture new list with clarification on "PE" language and conduct follow-on discussion with Mark Hill | 30 April 2013 | Bobby Petska/Keith Hoffman/Mark Hill | Updates to the AML have been posted and discussion has taken place |
| Upload Aggregate Sustainability Report onto the TG Website | 11 July 2013 | Bobby Petska | Complete |

| Pending Items | Due Date | Responsible Person | Notes |
|--|-------------|------------------------------------|--|
| From 01/10/13 Meeting | | | |
| Discuss updates on the I-5/14 Precast Pavement Lessons Learned report and target deadlines | 31 Jan 2013 | Jeremy Peterson-Self/Mehdi Parvini | Task under development at project team level |



| | | | |
|---|-------------|--------------|----------|
| Participation Memo for Marc Robert for inclusion into the Materials/QA STG | 31 Jan 2012 | Bobby Petska | Complete |
| Upload latest Precast Pavement Methodology and Section 11-2 onto TG Website | 31 Jan 2013 | Bobby Petska | Complete |

Concrete Products TG Quarterly Meeting Attendance Log as of 11 July 2013

| Member | Role | TG Meeting (CT and Industry) | | | | | | | | | |
|---------------------------|--|------------------------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| | | 4/14/2011 | 7/14/2011 | 10/13/2011 | 1/26/2012 | 4/12/2012 | 7/12/2012 | 10/11/2012 | 1/10/2013 | 4/11/2013 | 7/11/2013 |
| Dan Speer | Caltrans Co-Chair | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Chuck Suszko | Caltrans Construction | ✗ | ✓ | ✓ | | | ✗ | ✗ | ✓ | ✓ | |
| Bill Farnbach | Caltrans Pavement Program | ✗ | ✗ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | |
| Roberto Lacalle | Caltrans Struct. Specs & Estmt. | ✓ | p | ✓ | | | | | | | |
| Marcelo Peinado | Caltrans District -11 Engineering | ✓ | ✗ | ✗ | | | | | | | |
| Dennis Agar | Caltrans District -10 Engineering | ✓ | ✓ | ✓ | | | | | | | |
| Jeremy Peterson-Self | Co-Chair, Precast Concrete STG | | | | | | ✓ | ✓ | ✓ | ✓ | |
| Keith Hoffman | Co-Chair, Materials & QA STG | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Mehdi Parvini | Co-Chair, Cast In Place Concrete Pavement STG | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Jinesh Mehta/Bobby Petska | Caltrans, Structural Materials Rep. (note taker) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Charley Rea | Industry Co-Chair-CALCIMA | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Bruce Carter | Industry Co-Chair | ✓ | ✓ | ✓ | ✓ | | | | | | |
| Ron Stickel | Industry Co-Chair | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Cliff Ohlwiler | Industry, Co-Chair, Precast Concrete STG | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Tom Tietz | Industry, CNCA | ✗ | ✗ | ✓ | ✓ | | | | | | |
| Mark Hill | Industry, Syar | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Craig Hennings | Industry, ACPA-SW | ✗ | ✗ | ✗ | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ | |

Legend:

- ✓ Present
- ✗ Absent
- p Pre-designated proxy

DEPARTMENT OF TRANSPORTATION

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| Calendar Legend |
|---|
| Quarterly Rock Products Committee (RPC) Meeting |
| Monthly RPC Co-Chairs 3+1 Meetings |
| Asphalt Task Group 3+2 Meetings |
| Concrete Task Group 3+2 Meetings (1:30pm - 2:30pm) |
| Pavement Foundations Task Group 3+2 Meetings |
| Pavement Preservation Task Group 3+2 Meetings |
| State Holidays |
| Concrete Materials & QA STG Meeting (1:00 - 4:30 pm) - CT only |
| Concrete Materials & QA STG Meeting (1:00 - 4:30 pm) - All |
| Precast Subtask Group Meeting (9:00 - 11:30 am) - All |
| Precast Concrete Subtask Group Meeting (9:00 - 11:30 am) - CT only |
| Concrete Products Task Group Meeting (10:00-12:00)- All |
| Concrete Task Group CT Only Meeting (1:00-3:00 pm)-CT only |
| Cast In Place Pavement Subtask Group Meeting (9:00am - 11:00am)-All |
| Cast In Place Pavement Subtask Group Meeting (9:00am - 11:00am)-CT Only |

| Concrete Materials & QA Sub-Task Group: Issue Status Summary, July 2013 | | | | | |
|---|---|--|---|------------------------|------------|
| Project Priority | Project | Purpose | Overall Progress | Target Completion Date | % Complete |
| 1 | Structural Concrete QC/QA Specification Development | Implement performance-based specifications for materials management of structural concrete. | Additional outreach with other pilot projects and Industry to take place. ACI Training for Southern CA scheduled for May 31 and June 7 in Southern California for 10 personnel. Additional training for larger classes being finalized through Workforce Development Branch for contract approval. Continue conducting pre-bid meetings. Use gathered feedback from beta testing of DIME to update and roll out for larger use. Finalize the plain language spec and create a spec back up report as draft specification is finalized. Finalize QA guidance report to generate corresponding bulletins for state staff. Amendment to IA manual upcoming, develop long term IA processes. Discuss project lists. Discuss communications with Districts and Contractors (Outreach). | 12/31/2014 | 75% |
| 2 | Statewide Aggregate Source Database | Statewide consistency in aggregate source testing and develop a centralized list (database) of aggregate testing that can be used by all districts/projects is needed. | Continue to finish up security improvement to meet Caltran's IT standard. Add a message check to notify user that DIME can only work if JavaScript is enabled. Allow users to copy samples. Study the feasibility of implementing JMF. Look into to create a feature, "spec check", to allow compare data against project specs. Fix the issues brought up by the Pilot Testing. Allow users to input retest tests. | 7/31/2013 | 99% |
| 3 | Recycled Concrete | Evaluate possibilities for use of recycled (hardened and plastic) concrete | Monthly project team meetings to continue. Next scheduled meeting is on July 12, 2013. Industry to send requested information on MPQP manual. The carbon footprint savings report was received by project team on June 21, 2013 and sent to Caltrans environmental planning for review. Industry to coordinate a field trip to see recycle concrete batch plant operations. Draft Specs to be complete in coming weeks. | 12/31/2013 | 50% |
| Bin List Items | Shotcrete Specification Updates | Update the provisions in Section 53 to clarify such factors as SCM content, testing requirements, etc. | Draft scoping document in process; discussion underway at within Industry; timeline and necessary deliverables to be clarified in coming months | TBD | N/A |
| | Flexural Beam Testing in accordance with ASTM | Industry requesting update of ASTM/CTM requirements related to Flexural Test specimen curing, testing, etc. | Draft scoping document in process; discussion underway at various levels and at CIP Pavement; timeline and necessary deliverables to be clarified in coming months | TBD | N/A |
| | Green Concrete/ASR/Limestone Spec Updates in Section 90 | Update the provisions in Section 90 to ensure that CO2 reduction goals are captured but independent of ASR Reduction goals | Activity to be developed in conjunction with "ASR Research Problem Statement". Research from ASTM Limestone Cement updates may be incorporated into this activity | TBD | N/A |
| | Smog-Eating Concrete | Develop specifications and design guidelines for the use | This item is currently under evaluation. A pilot project is to be selected in the near future, with the goal of capturing lessons learned. A meeting with Caltrans and Lehigh personnel took place on 30 August 2012. | TBD | N/A |
| | Evaluate shrinkage specification for concrete | Review SE/CV characteristics and then effect on shrinkage performance and evaluate shrinkage control needs for CT concrete | Draft scoping document in process; discussion underway at project team level; timeline and necessary deliverables to be clarified in coming months | TBD | N/A |
| | Performance-Based Specifications for concrete | With the latest advances in concrete technology and availability of new tests. move towards performance specifications | Using surface resistivity and other performance criteria refine the specifications from prescriptive to performance | TBD | N/A |
| | PT Grout Specification | Pre-approved list for grout products and updated specification is needed | STG is working on developing a pre-approved list for grouts with successful history on projects. Minimal Resources anticipated; working in conjunction with DES Prestress Committee and Precast Design Committee | TBD | N/A |

Structural Concrete QC/QA Specification Development

Sub Task Group (STG): Materials & QA

Priority: 1

STG Co-Chair: Keith Hoffman

Project Team Lead: John Lammers

Project Team Members: Cathrina Barros, Ruth Fernandes, Austin Perez, Craig Knapp, Mike Cook, Rosme Aguilar, The' Pham, Deepak Maskey, Al Ochoa, Rick Navarro, (CCTIA)

Project Team Advisors: Rita Leahy, Jinesh Mehta, Ken Beede

DEADLINE: 12/31/2013

PERCENT COMPLETE: 75%

OBJECTIVES:

Implement quality control sampling and testing for structural concrete as directed in the decision document signed by the Chief Engineer and Deputy Director of Maintenance and Operations in December 2010. Determine appropriate QC sampling and testing standards as well as acceptance (QA) sampling and testing guidance consistent with federal regulations. These requirements and guidance should be implementable for any project regardless of procurement methods.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

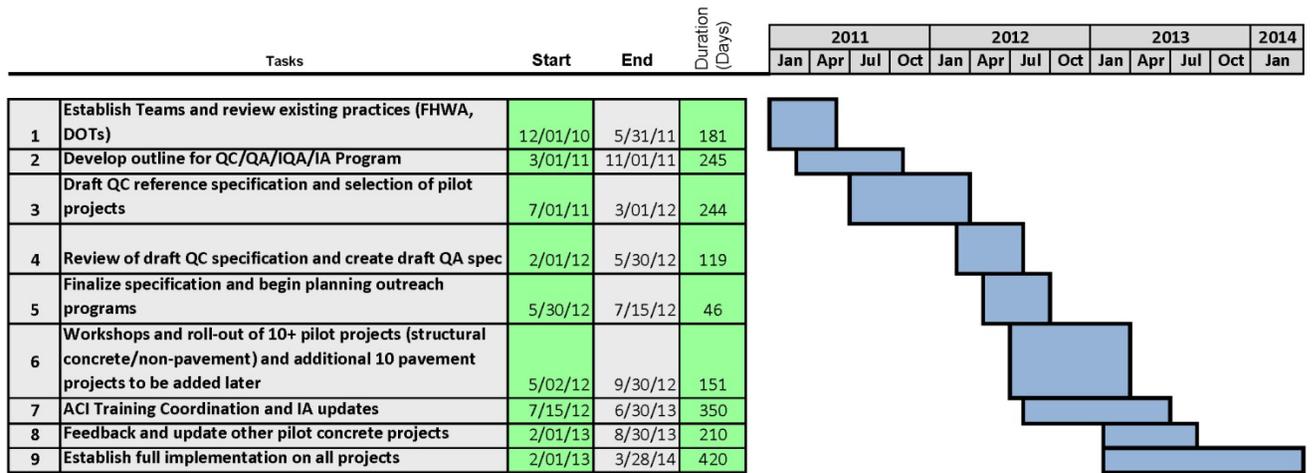
Plain language version of the specification was finalized prior to start of District 11 project in February of 2013.

RECENT ACTIVITIES:

- Sample ID/Test ID Spec change language – Complete
- ACI Training Roster– 2013 ACI Northern and Southern CA training contracts approved and executed on July 2nd. Training contracts approved for three 20-person classes in Northern CA and four 20-person classes in Southern CA. METS and Structures Construction to begin coordinating location and date of trainings for upcoming Pilot Projects.
- Full listings of all Pilot Projects are currently tracked and are continuously updated as needed.
- Coordination of Pre-Bid Outreach Meetings for upcoming Pilot Projects continues. D11 Pilot Project Pre-Bid Outreach meeting took place on November 15th in San Diego and District 8 pre-construction meeting took place on March 21st.
- CCTIA Presentations – Continued movement. Previous CCTIA Presentation took place on 11 September.
- QA Guidance Doc Development –continues to be refined. METS currently working with OSC on this assignment. Updates being made to document include FAQ section, DIME instructions, sample QC meeting agenda, QC checklist and sample QC Plan.

UPCOMING ACTIVITIES:

- Additional outreach with other pilot projects and Industry to take place.
- Coordination to begin for scheduling of ACI trainings for Pilot Projects both in Northern CA and Southern CA.
- Continue conducting pre-bid meetings.
- Use gathered feedback from beta testing of DIME to update and roll out for larger use.
- Finalize the plain language spec and create a spec back up report as draft specification is finalized.
- Finalize QA guidance report to generate corresponding bulletins for state staff.
- Amendment to IA manual upcoming, develop long term IA processes.
- Discuss project lists. Discuss communications with Districts and Contractors (Outreach).



Schedule to be continuously updated per Pilot Project roll-out dates and project progress.

Statewide Aggregate Database (DIME)

Sub Task Group (STG): Materials & QA

Priority: 2

STG Co-Chair: Keith Hoffman

Project Team Lead: Keith Hoffman

Project Team Members:

Al Ochoa, Dan Ferchaud

Glen Johnson

Project Team Advisors: Brett Soldano,

Deepak Maskey, Jinesh Mehta

OBJECTIVES:

The Aggregate Database project (DIME-data interchange for materials engineering) will provide a quick and easy online tool allowing Caltrans employees working in District Laboratories from across the state to electronically input, edit and retrieve aggregate test results via a password-protected website. The aggregate database project will reduce the delay and paperwork required to submit aggregate test data to Caltrans.

RECENT MEETINGS:

- DIME Training, District 4 Field Labs - June 27, 2013
- DIME Training, District 2 District Lab and field labs - June 26, 2013
- DIME Training, District 1 District Lab and consultant - June 25, 2013
- DIME Training, District 3 District Lab - June 18, 2013
- DIME Training, District 12 District Lab and consultant via webex - June 11, 2013
- Introduction Meeting for DIME Testing - May 31, 2013
- DIME Feedback Meeting Districts 1, 2, 7, 8 & 11 - April 25, 2013

UPCOMING MEETINGS:

- DIME Training, District 4 Field Labs (North) - July 10, 2013
- DIME Training, District 9 & 10 Laboratories (date to be determined)

RECENTLY COMPLETED TASKS:

1. Fixed TL502 option for compressive strength test.
2. Enabled TL101 option radio button for all aggregate tests.
3. Changed the menu item for manual input by adding 'Create TL101/502' to the label
4. Added "Process TL101/TL502" menu item for entering test data for TL101/TL502 tests.
5. Changed the 'SMARA' label on the 1 page aggregate report
6. Display project personnel even if the record contains a missing email.

CURRENT/UPCOMING TASKS:

1. Continue to finish up security improvement to meet Caltran's IT standard.
2. Add a message check to notify user that DIME can only work if JavaScript is enabled.
3. Allow users to copy samples.
4. Study the feasibility of implementing JMF
5. Look into to create a feature, "spec check", to allow compare data against project specs.
6. Fix the issues brought up by the Pilot Testing.
7. Allow users to input retest tests.

Project Schedule:

The complete project schedule is shown on the last page. Here is a brief summary:

- Early DIME Development 06/01/11 – 01/31/12 ✓
- Survey of Labs 02/01/12 – 03/31/12 ✓
- Test Input Cards 04/01/12 – 06/31/12 ✓
- Initial Feedback from DMEs 05/01/12 – 05/31/12 ✓
- Test Result Cards 07/01/12 – 08/31/12 ✓
- User Account Management 09/01/12 – 10/31/12 ✓
- Additional Features 11/01/12 – 01/31/13 ✓
- Collect feedback from DMEs 12/19/12 – 01/25/13 ✓
- Identify pilot labs for beta testing of DIME System 12/19/12 – 01/31/13 ✓
- Beta testing of DIME system by selected pilot labs 02/19/13 – 04/29/13 ✓
- Host biweekly feedback meetings during beta testing 03/26/13 – 04/29/13 ✓
- Training 05/01/13 – 07/31/13 ✓
- Release of DIME to all district labs 07/31/13

Data Interchange for Materials Engineering (DIME)
Project Schedule - Updated June 3, 2013

| ID | WBS | Task Name | Duration | Start | Finish | June 11 | | December 21 | | July 1 | | January 11 | | July 21 | | February 1 |
|----|------|--|----------|--------------|--------------|---------|------|-------------|------|--------|------|------------|------|---------|------|------------|
| | | | | | | 5/29 | 8/28 | 11/27 | 2/26 | 5/27 | 8/26 | 11/25 | 2/24 | 5/26 | 8/25 | 11/24 |
| 1 | 1 | Early DIME Development | 96 days | Wed 10/12/11 | Wed 2/22/12 | | | | | | | | | | | |
| 5 | 2 | Submit Data | 339 days | Wed 2/15/12 | Sat 6/1/13 | | | | | | | | | | | |
| 16 | 3 | Results | 122 days | Thu 5/10/12 | Fri 10/26/12 | | | | | | | | | | | |
| 19 | 4 | Lab Account Manager | 259 days | Tue 3/13/12 | Fri 3/8/13 | | | | | | | | | | | |
| 22 | 5 | Verify | 78 days | Wed 6/6/12 | Fri 9/21/12 | | | | | | | | | | | |
| 25 | 6 | Administrator | 35 days | Mon 2/20/12 | Fri 4/6/12 | | | | | | | | | | | |
| 28 | 7 | XML Schema | 359 days | Wed 1/18/12 | Sat 6/1/13 | | | | | | | | | | | |
| 31 | 8 | Catalogue | 264 days | Tue 1/24/12 | Fri 1/25/13 | | | | | | | | | | | |
| 32 | 9 | Account | 356 days | Mon 1/23/12 | Sat 6/1/13 | | | | | | | | | | | |
| 35 | 10 | Documentation | 418 days | Wed 6/20/12 | Fri 1/24/14 | | | | | | | | | | | |
| 40 | 11 | Testing / Review | 80 days | Fri 6/1/12 | Thu 9/20/12 | | | | | | | | | | | |
| 46 | 12 | Reporting | 168 days | Mon 12/10/12 | Wed 7/31/13 | | | | | | | | | | | |
| 48 | 13 | Public Pages | 100 days | Mon 9/10/12 | Fri 1/25/13 | | | | | | | | | | | |
| 51 | 14 | Additional Requested Features | 228 days | Tue 5/1/12 | Wed 7/31/13 | | | | | | | | | | | |
| 52 | 15 | Preparing Tables for Data Input | 283 days | Mon 4/16/12 | Wed 5/15/13 | | | | | | | | | | | |
| 58 | 16 | Implementation | 118 days | Mon 2/18/13 | Wed 7/31/13 | | | | | | | | | | | |
| 59 | 16.1 | Beta Testing by Selected Internal Labs | 30 days | Mon 2/18/13 | Fri 3/29/13 | | | | | | | | | | | |
| 60 | 16.2 | Internal Lab Beta Testing Revisions | 65 days | Mon 2/18/13 | Fri 5/17/13 | | | | | | | | | | | |
| 61 | 16.3 | Training For Aggregate Tests | 55 days | Mon 4/15/13 | Fri 6/28/13 | | | | | | | | | | | |
| 62 | 16.4 | Phase 4 Testing | 20 days | Mon 6/3/13 | Fri 6/28/13 | | | | | | | | | | | |
| 63 | 16.5 | Training District and Field Labs | 31 days | Wed 6/19/13 | Wed 7/31/13 | | | | | | | | | | | |
| 64 | 17 | Material Tests | 138 days | Mon 8/6/12 | Wed 2/13/13 | | | | | | | | | | | |
| 65 | 17.1 | Aggregate Tests | 138 days | Mon 8/6/12 | Wed 2/13/13 | | | | | | | | | | | |

Use of Recycled Concrete Materials

Sub Task Group (STG): Materials & QA

Priority: 4

STG Co-Chair: Keith Hoffman

**Project Team Lead: Mike Donovan,
Don Vivant**

Project Team Members: Charley Rea, Craig Hennings,
Deepak Maskey, Keith Hoffman,
Jinesh Mehta, Pat Imhoff, Tarek Khan,
Mike Serra, Robert Graine, Paul Fayer,
Ruth Fernandes, Sharon Hansen, Jim Cotey
Basil Miranda, Kevin Bachelor

Project Team Advisors: TBD

DEADLINE: 12/31/2013

PERCENT COMPLETE: 50 %

OBJECTIVES:

By using various appropriate measures and devising clear limitations and practices, activity will examine returned concrete for use as minor (non-structural) concrete without compromising life cycle.

Currently, Caltrans specifications allow *aggregate* from plastic or hardened concrete to be used in road base and in various appropriate applications in new concrete. However, the use is not widely seen and therefore requirements should be evaluated and modified to promote more use for specified applications without compromising life cycle.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

Once the objective is clearly defined and necessary background research is performed, project team will work on coming up with recommended changes. It is likely that Specification involvement will include reviewing the draft Recycled Concrete Section 90 subsection.

RECENT ACTIVITIES:

- Project team met with Division of Weights and Measures on Feb 1, 2013 to discuss the process and understand their concerns.
- Project team met with Climate Earth and industry to discuss carbon footprint savings for returned plastic concrete on June 4, 2013.
- Project team meeting took place on June 21, 2013. Key deliverables for the coming months were discussed including draft specifications.

UPCOMING ACTIVITIES:

- Monthly project team meetings to continue.
- Next scheduled meeting is on July 12, 2013.
- Industry to send requested information on MPQP manual.
- The carbon footprint savings report was received by project team on June 21, 2013 and sent to Caltrans environmental planning for review.
- Industry to coordinate a field trip to see recycle concrete batch plant operations
- Draft Specs to be complete in coming weeks.

SCHEDULE AND PROGRESS:

Current target completion date is December 2013.

CIP Concrete Pavement Sub-Task Group: Issue Status Summary, July 2013

| Priority | Project | Purpose | Overall Progress | Target Completion Date | % Complete |
|----------|---|---|---|------------------------|------------|
| 1 | Coefficient of Thermal Expansion (CoTE) | To CoTE as a criteria for design and construction of concrete pavements. | Received 278 total test results to date from 20 projects using six labs. | 6/30/2013 | 60% |
| 2 | Rapid Strength Concrete for JPCP | Prepare specification for use of rapid strength concrete (RSC) for new construction of jointed plain concrete pavement (JPCP) | Working on comments. | 1/15/2013 | 95% |
| 3 | CRCP Design Details (Phase II) | 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. | Draft standard plans and SSP 40-2 review/comments are being addressed. | 12/31/2012 | 95% |
| 4 | Bond Breaker | Investigate different alternatives available not to bond concrete pavement and LCB. | Spec has been submitted for publication Jan 18. Geotextile option has been added to bond breaker spec. | 6/30/2013 | 95% |
| 5 | Roller Compacted Concrete | Develop standard provisions for the use of Roller Compacted Concrete | Draft special provisions are ready for implementing on trial project. Incorporated into one project in District 7 | 6/30/2013 | 35% |
| | Dowel location and tolerance | Clarify the location and tolerance for dowels | Waiting for Scoping Document. Plan to prepare before March STG. | TBD | N/A |
| | | | | | |
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| Precast Concrete Sub-Task Group: Issue Status Summary, July 2013 | | | | | |
|--|---|---|---|------------------------|------------|
| Project Priority | Project | Purpose | Overall Progress | Target Completion Date | % Complete |
| 1 | Precast QC Provisions and Precast Technical Resolutions | Separate specifications for precast products/materials from those for concrete materials and develop various levels of Precast. | A CT-Industry Project Team meeting took place on 6 June 2013. At the meeting, members reached consensus on remaining precast QC items and adjourned this subtask group. The updated Section 90-4 has been finalized and submitted for publication. | 6/30/2013 | 100% |
| 2 | Precast Pavement Specification Development | Develop comprehensive departmental guidance or standard approach on the use of precast concrete pavement. | Scoping document to be amended for time and to include new set of deliverables. Discuss I-680 design lessons learned and how it can be applied to I-710 and other projects. The project team has developed an updated version of the Precast-Prestressed Concrete Pavement nSSP. This version will go to the Sub-Task Group for final approval once it is completed for the I-80 Solano project. Completion of the PPCP and PCP Standard Sheets | 12/31/2013 | 60% |
| Bin List Items | Freeze Thaw Reinforced Concrete Pipe SSP | Development of SSP for RCPs that are to be placed at 3000+ elevation. Would aim to clarify specific air content and wet cast requirements | Activity has been sent to STG by Office of Highway Drainage Design for initial consideration | TBD | N/A |

Precast QC Requirements/Precast Technical Revisions/Precast Subsection Development

Sub Task Group (STG): Precast

Priority: 1

STG Co-Chair: Jeremy Peterson-Self

Project Team Lead: Ruth Fernandes

Project Team Members: Doug Mooradian, Sharon Hansen, Bobby Petska, Rami Boundouki, Paul Fayer, Keith Hoffman, Jeff Friedman, Cy Thomson, Ed Shaw

Project Team Advisors: Cliff Ohlwiler

DEADLINE: 6/30/2013

PERCENT COMPLETE: 100 %

OBJECTIVES:

Decision document establishes direction for Department to develop clear guidance regarding levels of QC/QA as it pertains to structural concrete. Committee would like to update specifications and add new levels of QC/QA for minor (non-structural) and possibly other concrete. The Committee would also like to create separate sub-sections in Sections 40, 50, and 65 to ensure all precast-related material is clearly segregated, and clarify any Precast Technical concerns.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

Over the next few weeks, involvement will be limited to the discussions at the project team level and the addition of input as needed. Review of draft of specification will also be desired.

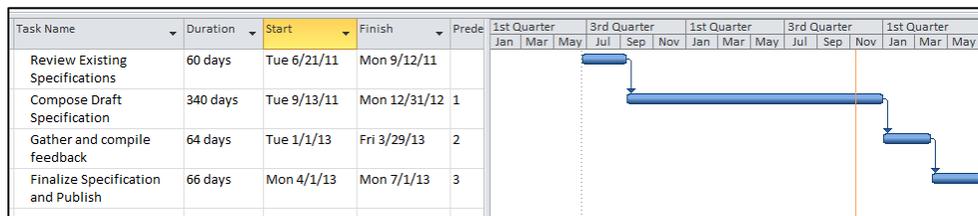
RECENT ACTIVITIES:

A CT-Industry Project Team meeting took place on 6 June 2013. At the meeting, members reached consensus on remaining precast QC items and adjourned this subtask group.

The updated Section 90-4 has been finalized and submitted for publication.

UPCOMING ACTIVITIES:

- None..



Precast Pavement Specification Development

Sub Task Group (STG): Precast

Priority: 2

STG Co-Chair: Keith Hoffman

Project Team Lead: Mehdi Parvini

Project Team Members: Doug Mooradian, Ruth Fernandes, Jim Ma, Jim Cotey, Tinu Mishra, Kirsten Stahl, Debbie Wong, Jonathan den Hartog, Shiraz Tayabaji, Tracy Vacura, Dave Merritt, John Grafton, Ziad Sakkal, Bobby Petska, Steve Healow, Sharon Hansen

Project Team Advisors: N/A

DEADLINE: 12/31/2013

PERCENT COMPLETE: 60%

OBJECTIVES:

Precast concrete pavement systems were developed as an alternative for fast-setting cements or asphalt pavement systems in cases where a highway closure for longer than six hours is not a viable option. These systems are also beneficial in cases where high concrete durability and long pavement life are desired.

Although a few precast concrete pavement projects have already been built throughout the state, there is no comprehensive departmental guidance or standard approach on the use of precast concrete pavement.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

Some involvement needed in final review of SSPs and in compiling input from various stakeholders.

RECENT ACTIVITIES:

Review continues on latest version of Precast Pavement Design Methodology report. Methodology is to be finalized in the near future.

SSP and Standard Plans will continue to be updated and refined. Feedback will be garnered from current pilot projects.

Project team meeting took place 4 June, 2013 to discuss 3rd final draft, I-680 lessons learned, finalized scoping documents, and updates to activity timeline. Ongoing discussion related to how I-680 design lessons learned can apply to I-710 and other projects.

The latest Scoping Document has been distributed to STG and project team.

Two proposals were discussed, namely to either modify the current scoping document to extend the deadline beyond December 2013 or to close this scoping document with the remaining items to be discussed as part of a new scoping document. The decision is to discuss this issue in the July 11 meeting of the Concrete Task Group

UPCOMING ACTIVITIES:

For the next month:

- Scoping document to be amended for time and to include new set of deliverables.
- Discuss I-680 design lessons learned and how it can be applied to I-710 and other projects.
- The project team has developed an updated version of the Precast-Prestressed Concrete Pavement nSSP. This version will go to the Sub-Task Group for final approval once it is completed for the I-80 Solano project.
- Completion of the PPCP and PCP Standard Sheets

