Attendees:
Executive Board
• David Lippert
• Julie Garbini
• Randy Riley
• Jerry Voigt
• Steve Kosmatka
• Martin Fallon
• Claude Bedard
• Cheryl Richter
• Suneel Vanikar
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CP Road Map Technical Representative
• Peter Kopac
• Ahmad Ardani

Pooled Fund State Representatives
• Gary Frederick, New York DOT
• Todd Hanson, Iowa DOT
• Josh Freeman, Penn DOT
• Matt Srickland, Mississippi DOT
• John Staton, Michigan DOT

Administrative Support Group, CP Tech Center
• Tom Cackler
• Paul Wiegand
• Peter Taylor
• Dale Harrington
• Sabrina Shields-Cook
• Sharon Prochnow

1. Introduction
• The goal has continued to be finding ways to fill the gaps in prioritized research through identifying needs, finding researchers, and leveraging funding.
• Promoting collaboration and coordinating the research is still key to the Road Map
• The Road Map has always placed significant interest in technology transfer. Now that some research under the Road Map is being completed, major effort is geared to publishing results, promoting success and implementing research findings.
2. CP Road Map Communication Plan
   • Discussions with individual State DOT representatives have begun
     o Identify what research and technology transfer activities are aligned with the CP Road Map,
       how they are linked, and the benefits of designating research within the Road Map
     o Identify proposed adjustments to the CP Road Map based on the results of these discussions
       ▪ First visit was with Wisconsin DOT, Kevin McMullen, University of Wisconsin-Madison
       ▪ Visit with Pennsylvania DOT is in the planning stage
       ▪ Minutes from DOT visits will be available on the website
   • Road Map E-News
     o First issue was last week; bi-weekly issues are planned
     o Highlight research and T2 going on around the country
     o Different state DOT for each newsletter
     o QUESTION: Cheryl Richter asked the Board’s opinion on the frequency planned for the E-
       news. General consensus was monthly with approx 6 items (more if needed).
   • MAP Briefs
     o Two have been published:
       ▪ Diamond grinding
       ▪ Nonwoven Geotextile Interlayers
     o Others planned
       ▪ COMPASS
       ▪ Laying a Concrete Foundation
       ▪ Enhancing the Durability of Concrete Pavements Subjected to Liquid Chemical Deicers
       ▪ Enhancing Concrete Pavement Sustainability through Two-Lift Construction
       ▪ Sustainable Concrete Pavements
   • Web Site
     o COMMENT: Website should show an index of e-news and tech briefs
   • Track Web Meetings
     o To keep travel costs low, the ASG has been working with track leaders to schedule web
       meetings that focus on individual tracks
     o COMMENT: Website should point to minutes from individual track meetings
   • Outreach for CP Road Map
     • Presentations at key forums to solicit support for the CP Road Map
     • Meetings with selected industry contacts for one-on-one “interviews” on pertinent work

3. Status and Priorities of the CP Road Map Tracks (see PowerPoint slides for overview)
   • Mix Design and Analysis Track (Track 1)
     o No formal track leadership meeting; NCC meetings are being utilized for direction from
       academia, DOTs, industry
     o COMMENTS:
       ▪ Air entrainment work being done by Tyler Ley should be included. He is also on the
         pooled fund project research team.
       ▪ There is a need for a good guide specification to help DOT engineers get “up to speed”
         quickly with new economies making concrete more appealing.
       ▪ Checksheets – have I thought about the right things?
   • Performance-Based Design Guide for New and Rehabilitated Concrete (Track 2)
     o Key Area of Concentration:
       ▪ Concrete Overlays report
       ▪ Recommend existing software program for each type of overlay; including examples.
       ▪ Technology Tech Brief is in final draft form.
     o Dale Harrington asked the Board for advice on how to influence AASHTO on MEPDG
     o COMMENTS:
- Cheryl Richter agreed the way to get things into practice is to work through AASHTO.
- How? Most development work that gets into MEPDG passes through the NCHRP process. Joint technical committees are looking at all advancements, not just concrete. But keep committees aware, engaged in overseeing, and reviewing research so that when an idea comes to the committee it has a champion.
- Industry is represented on the committee by Jerry Voigt. He volunteered to champion Road Map advancements.

**High Speed Nondestructive Testing and Intelligent Construction Systems**
- There has been lots of activity in this area; many of the new systems emerging have been developed by industry
- SHRP is looking at validation and specification
- Stakeless (stringless) construction is being looked at by many states
- Intelligent Construction is also receiving lots of interest
- **Comments:**
  - Suneel Vanikar: A recent meeting discussed the need for accelerated delivery of products and IC was top priority. What are the technologies involved in moving that forward? There will be meeting in a couple of weeks
  - Acceptance criteria have to be repeatable, inferred measurements not good enough. Need technologies that can stand up in court.

**Surface Characteristics (Track 4)**
- Four members have been added to the track committee: James Bryant from SHRP, reps from PA, WA, CO for a total of 13 members
- **COMMENT:** Surface characteristics may have some link to sustainability. Latest research statistics put out by NRMCA indicate less fuel is used with concrete; can it be linked to surface characteristics? Use this research as part of future track meeting.

**Concrete Pavement Rehabilitation (Overlays)**
- See PowerPoint slides for research priorities and project elements
- Tech brief on costs of concrete overlays has been drafted and is under review.

**Sustainability (Track 13)**
- NRMCA/PCA research being done at MIT; Peter Taylor is on their technical advisory committee
- Sustainability is a buzz word; we need to keep everyone talking to each other so that we can minimize duplication
- A briefing document, *Building Sustainable Pavements with Concrete* has been produced. Doesn’t have all the answers, but identifies questions and areas that need to be discussed.
- A Manual of Practice, about 200 pages of what we know now, is next.
- Life Cycle analysis being done at MIT; report on it will be given at an August 31st meeting. Researchers are being invited to September’s conference.
- **COMMENT:** Julie Garbini asked to be on the list for track leadership.

**Long Life Concrete Pavements**
- Although this has not been an active track, there is increased interest from STAs
- Activities should be initiated under Task Order 4.

4. **Business Systems & Economics Track (Track 11)**
- **COMMENTS:**
  - This should become a higher priority track; some initial work and guidance documents would be helpful.
  - We need to showcase how concrete can last longer and use that as selling point; it will still need to be cost effective
  - Our focus has been overlays; should we be stressing longer life pavements?
  - What is “longer life”? CalTrans is looking at 100 year pavement; MnDOT is looking at 60 year design; we can make pavement that lasts longer than 50 years.
  - Sustainability is emphasis; initial cost is becoming more competitive.
• What is traffic going to look like in 50 years? Easy to say concrete will last longer, but traffic
today is not what we predicted 30 years ago when we built pavements to last 30 years.

• A Business Track overview was sent out last week

• COMMENTS
  o NCHRP 10-79 report gives cost incentive measures.
  o Suggestion to have a task force from this group to look at suggestions more clearly and get
    valuable insight from them.
  o NCHRP 10-79 goes beyond concrete paving. NCRP panel working on incentives and
disincentives based on report. Need to look at how this is addressed for concrete paving.
  o Task force volunteers: Dave Lippert, Randy Riley, Jerry Voigt, Claude Bedard, Suneel
    Vanikar,

COMMENTS:

• Randy Riley: NCC talked about consolidated website for research completed and in progress.
  Tom Cackler’s response: The Center has looked into doing this extensively. There is no good way to
do this without duplicating TRIS and RIP. Individual track leaders are trying to keep track of
research within their track emphasis, but any large scale website for completed and in progress
research would be very costly and difficult to maintain.

• Peter Kopac is retiring June 3, 2010. The CP Road Map’s new technical monitor will be
  Ahmad Ardani.
  Tom Cackler thanked Peter for his diligent efforts on behalf of the CP Road Map. His dedication and
insights will be missed. We wish him well in his retirement – “may the winds always be at your
back” on the next mountain climb!

5. Meeting Adjourned

6. Next Meeting: June 22, 2010
   The Agenda will be to review and comment on the scope under TOPR 4.

   Note: The Executive Committee agreed that in the future that the CP Road Map Executive
Committee and the TAC for the ACG pooled fund should be combined and function as one joint
committee.