

Transportation Association of Canada
Pavements Standing Committee Meeting Minutes
Dalhousie University, Sexton Campus, Halifax, Nova Scotia
“B” Building, Rooms B226 – B227 (Directions Attached)
Sunday, September 26, 2010
9:00 am – 5:00pm

1. Welcome and Introductions

- Ahmed Shalaby (Chair PSC) and Mark Popik (Chair SMSC) called to order the joint meetings of the PSC and SMSC at 9:15am on September 26, 2010 in Halifax, Nova Scotia.

2. Attendance and Standing Committee Roster Status (PSC / SMSC)

- Sherry Sullivan (Secretary PSC) and Hugh Donovan (Vice-Chair SMSC) had attendees confirm their information in the committee roster; 38 people were in attendance.

3. Review and Approval of Agenda (PSC / SMSC)

- The GGFR Task Force has been dissolved and is now a steering committee. Tom Kazmierowski is not on the steering committee and is unable to update. Sandy Brown will give the update.
 - o Lyle Trelevan motioned to approve the agenda.
 - o Tim Smith seconded the motion.

4. Approval of Minutes from Spring 2010 Meetings

- o Tom Kazmierowski motioned to approve the minutes.
- o Guy Tremblay seconded the motion.

5. Fall 2010 TAC Conference Program

- The PSC sponsored three paper session and one poster session:
 - o The first session is Monday afternoon, “*Innovations in Pavement Design and Evaluation*” with six papers being presented. This session will be chaired by Sherry Sullivan.
 - o Second session is on Tuesday morning, “*Pavement Maintenance and Preservation*” with seven papers being presented. This session will be chaired by Jim Knox.
 - o Third session is on Tuesday afternoon, “*Permeable Pavement Design and Technology*” with five papers being presented. This session will be chaired by Ahmed Shalaby.
 - o 11 posters were accepted. Tom Kazmierowski is chairing the poster session.
 - Best Poster will be awarded... ARA is sponsor of the award.
 - The evaluation committee will be: Harry Strum, Darryl Nixon, Tom Kazmierowski and Mark Popik.

Transportation Association of Canada

Pavements Standing Committee Meeting Minutes

6. Planning for Spring 2011 Meetings

- The committee discussed the joint meeting for council and task force updates. It was decided having a joint meeting to discuss the repeated items on the two committee's agendas was a good use of time.
 - o Motion by Tim Smith to merge the updates for the SMSC and PSC spring meetings.
 - o Seconded by Lyle Trelevan
- *Potential topics for the Spring meeting:*
 - o DARWIN ME introduction presentation by JAG.
 - o Utilizing information from the LTPP – under used by Canadians.
 - o Full Depth Reclamation and Cold in Place Recycling.
 - o Easy Street, new innovative product.
 - o SHRP 2 – environmental component presentation (will be considered for Sunday during the SMSC meeting).
 - o FHWA Asset Management Road Map presentation (Katie Zimmerman or FHWA).
 - o Workshop on “Techniques for In-Situ Evaluation of Pavement” based on the working group, “Instrumentation, Innovations, and Materials for In-Service Evaluation of Pavement Structures”.

7. Planning for Fall 2011 Conference

- “Building on Past Successes” is the theme for the 2011 conference.
- Workshop to introduce the “Pavement Asset Design and Management Guide”.
- The PSC will sponsor three paper sessions:
 - o *Effects of Increased Loading on Pavements*
 - New generation transportation vehicles and their effects on pavements.
 - Design of flexible and rigid pavements to accommodate increased loading.
 - o *Challenges Facing Low-volume Roads*
 - Changes impacting on low-volume roads, e.g. wind farms and gravel roads.
 - Environmental impacts of low-volume roads.
 - Geometric design (safety vs. cost).
 - Addressing pavement failures on low-volume roads.
 - o *Innovative Developments in Sustainable Pavements*
 - How materials engineers are addressing sustainability issues in the field of pavement design.
 - Improvements in technologies that extend pavement life.
 - o *Poster session: Successes in the Pavement Industry*

Transportation Association of Canada

Pavements Standing Committee Meeting Minutes

8. TAC Council and Task Force Updates

Chief Engineers Council

- Summary from Ahmed Shalaby and Mark Popik.
- Chief Engineers Council Minutes can be found on the TAC website:
<http://www.tac-atc.ca/english/councilsandcommittees/chiefengineers/>
- The council would like to focus on improving communication with committees.
- There are currently 17 TAC sponsored projects.
- Looking for sponsorship for upcoming projects.

Education and Human Resource Development Council

- Summary from Lynn Cowe-Falls.
- Knowledge Management Primer, the council's first pooled project has been delivered and in addition to the document (which is out to letter ballot) the consultant delivered a web tool for self-assessment of agency's status in KM. Promotion, marketing and distribution mechanisms are under discussion with the secretariat and Board.
- Presentation given to the council by Brendan Nugent (Austroads) on a marketing program in Australia/NZ to attract high school and university students into Road Engineering. "Use your powers for good". Tremendous results in website hits.
- TRAC program undergoing some renewal at AASHTO and a member of the council will sit on the Board of TRAC. Seat will be for a 2 year term and MTO will take the first seat.
- First round table discussion held at the Council on the topic of the 'Effects of Computer Access and Social Media on the Workplace'. Carl Clayton shared computer usage statistics for Stantec that indicated a huge increase in traffic to Google mail, facebook and other sites but there doesn't seem to be a decrease in productivity. Long discussion ensued.

Environmental Council

- Summary from Al Widger.
- For a complete summary of the Environmental Council activities see the minutes from their last meeting: <http://www.tac-atc.ca/english/councilsandcommittees/environment/>
- Federal Issues – DFO Changes, Migratory Bird Act
- Environmental Issues – Duty to consult with First Nations
- Presentations – Atlantic Salmon Conservation, Air Quality Health Index, Exclusion Criteria
- Publications:
 - o BC Best Practices Guide for Managing Invasive Plants Along Road Sides
 - o University of Waterloo Salt Study
 - o City of Hamilton on Post & Pre Construction Air Quality

Transportation Association of Canada

Pavements Standing Committee Meeting Minutes

Asset Management

- Summary from Al Cepas.
- *The full update can be found on the TAC website.*

Climate Change

- Summary from Tim Smith.
- The full update can be found on the TAC website at:
<http://www.tac-atc.ca/english/councilsandcommittees/climatechange/pdfs/2010-update.pdf>

9. Committee Sponsored Projects

Canadian Calibration MEPDG Guide

- Summary from Brent Marjerison.
- Consultant has been selected and attended the meeting on September 23, 2010. The consultant has developed the table of contents which was presented at the meeting.
- There will be a 50% draft completed by December 17, 2010.
- Next conference call will be in January of 2011.
- *Full update is attached to these minutes.*

Pavement Asset Design & Management Guide

- Summary from Marta Juhasz.
- Full draft document by spring meetings.
- September 2011 completed.

Estimating the Remaining Service Life of Pavement (PSC)

- Summary from Daryl Nixon.
- TRB project potentially overlaps with this project. Waiting for the outcome to determine how to proceed. This winter the TRB project should be completed.

Recycled Materials in Road Building Projects (SMSC)

- Summary from James Hoyt.
- Met on September 8, 2010 to develop terms of reference.
- October 11, 2010 the terms of reference will be completed.
- Will report on progress at spring meeting.

Transportation Association of Canada

Pavements Standing Committee Meeting Minutes

Green Guide for Roads

- Summary from Sandy Brown.
- The terms of reference will be ready early October 2010.
- The consultant to be selected in early January with first face-to-face meeting being at the spring meeting.
- \$157,000 has been raised from 22 contributors.
- May 2012 is the expected completion date.

10. Working Group Updates

Pavements Standing Committee

Summary of relevant TRB Research-in-Progress

- Ahmed Shalaby presented on TRB research currently in progress.
- *See presentation attached to minutes.*

Impact of Climate Change on Pavement Design

- Summary from Mark Popik
- The committee has nothing to report at this time.
- A detailed summary will be provided at the spring meeting.

Low Volume Roads

- Summary from Said Kass.
- There are many issues that need to be discussed.
- How do you define a low volume road?
- They need to develop terms of reference.
- The group will meet in early November and report back at spring meetings.

Perma Frost Committee Update

- The perma-frost guide has been well received; however, the committee feels additional training is required, especially with high employee turnover.
- Best Practices Guide for Winter Roads needs to be developed as well.

Instrumentation, Innovations, Materials for In-Service Evaluation of Pavement Structures

- Summary from Hugh Donovan
- The committee has nothing to report at this time.
- A detailed summary will be provided at the spring meeting.

Transportation Association of Canada

Pavements Standing Committee Meeting Minutes

11. Organization Updates and Other Business

LTPP

- Ralph Hass updated the group on LTPP
 - o *Full update is attached to these minutes.*
 - o LTPP has been in existence for 20 years and a massive amount of data has been collected on Traffic, Materials, Environmental Effects, Condition, Performance, M & R and Specific Design Features. As well, several hundred products have been developed. The total investment to date is over \$800 million

CUPGA

- Sandy Brown updated the group on CUPGA
 - o Next meeting is being held Nov 28 – Dec 1, 2010 in Edmonton, AB.

PIARC

- Mark Popik updated the group on PIARC
 - o Abstract deadline has been extended to the end of September.
 - o *Full update is attached to these minutes.*

12. Past and Future Conferences

- An up to date list of TAC events can be found on the TAC website at:
<http://www.tac-atc.ca/english/events/tacevents.cfm>
- An up to date list of upcoming events with other transportation organizations can be found at:
<http://www.tac-atc.ca/english/events/otherevents.cfm>

13. Meeting Adjournment and Tour of Dalhousie University Facilities (2 pm to 5 pm)