

**Soils and Materials Standing Committee
Ottawa, Ontario
Sunday, April 17 - 09:00 – 17:00**

A G E N D A

Welcome and Introductions

Hugh Donovan

- Meeting came to order at 9:05 with Chair Hugh D. Introductions made.

Approval of Agenda

Hugh Donovan

- Moved by Joe C, Seconded J Hoyt, Approved

Joint Information Updates - Soils and Materials and Pavements Standing Committees

TAC Report to Standing Committee

Hugh D.

- Hugh D reviewed the salient points
- No discussion required

Council Updates

Chief Engineers Council

Hugh Donovan

- Hugh D provided a brief review of the minutes, no further discussion

Environmental Council

Al Widger

- Al W provided an update on the two committees of Environment Council
- An update was provided on ongoing projects, changes to Environmental laws, salt management, climate change task force, endangered species act, habitat mgmt, etc.

Education and Human Resources Development Council

Lynne Cowe Falls

- Lynn provided an update on the Council meetings
- Virtual mentor update, education achievement award, TRAC program on hold temporarily (funding requests), roundtable discussion on innovation, etc. A few new members attended.

Asset Management Task Group

Al Cepas/Chuck M

- Chuck M provided a brief update. Status on national asset mgmt was discussed by the Task Group. There was some Task Group discussion on what their mandate was.

Climate Change Task Force

Tim Smith

- Tim provided a brief PPT presentation for the Committee. The Task Force will be dissolved by April 2012. The roles and objectives of the Task Force were reviewed. Priorities and challenges; encouraged all TAC committees to include climate change in their discussions and how they relate to the group's expertise; how each working group should be reviewing the climate change check list when considering their tasks; articles in TAC news (they need more); conference sessions upcoming for Edmonton; Task Force survey; the biggest climate change issues facing the various committees; key barriers to addressing climate change; tools to address climate change; focus for assistance from the

Soils and Materials Standing Committee
Ottawa, Ontario
Sunday, April 17 - 09:00 – 17:00

survey; future suggestions. A copy of the presentation may be made available with the dissemination of the meeting minutes.

- There was some brief discussion of the implications of climate change and how they relate to best practices and day-to-day practice in the industry.
- The intensity and overall areas that can be affected were discussed.
- Various members of the committee discussed their own experiences with climate change and how it has affected their jurisdictions/provinces.
- How Engineers Canada is considering not just infrastructure, but everything around us.

Green Guide for Roads

Bill Pacholka

- There is now a sponsored project, “Green Guide for Roads” that was started in 2010. A consultant has been selected and work is now underway. They are now trying to identify the boundaries of what their task is and how it affects their work. A draft report is expected this fall with a final report due in 2012.

Status of Joint Committee Sponsored Projects

Road Network Performance Measures Guidelines

Brent Marjerison

- Not in attendance

Mechanistic Empirical Pavement Design Guide

Guy Tremblay

- Guy provided an update on the most recent meetings of the Steering Committee and User Group. They were well attended. There were discussions on several aspects of the Guide. Much of the information is available on the TAC website. Another training course is in the works for fall 2011 in Edmonton with a similar course to be held in eastern Canada around the time of CTAA in Quebec City. A final draft is upcoming.
- A lot of the data will be transferred to an Access database due to the size of the Excel workbook that currently exists. (Hugh D)
- Data sharing is one of the short term goals so that various agencies can contribute to the overall database.
- TAC has an ongoing assignment on the rationalization of the CLTPP data.
- Tom K suggested that another webinar be held to go over some of the information.
- The cost is \$5000 for an individual license. It will be an annual cost. There may be some adaptation to allow universities to obtain the Guide for training purposes.
- Steve G brought up the changes to the software itself and how it has improved compared to previous versions.
- There was some discussion on the pricing of the software. The cost is based on cost recovery and anticipated costs of future upgrades. There was some further discussion on the cost and how it compares to other software costs.
- AT is the only agency in Canada to sit on the committees for the development of MEPDG and DARWin ME. Marta was recognized for her hard work.

Pavement Asset Design and Management Guide

Marta Juhasz

Soils and Materials Standing Committee
Ottawa, Ontario
Sunday, April 17 - 09:00 – 17:00

- Marta provided an update on where the development of the guide is at. The project is slightly behind schedule. There are 15 chapters so far and all have been reviewed and some re-written. A final draft is expected by the end of May. There is a series of meetings scheduled for this summer with a goal of providing feedback to the consortium by September 1. Once approved, it will go to a professional editor and then back to the Steering Committee for one last review. There is an information session planned for this fall in Edmonton followed by a possible webinar later in the fall that will go into more detail. Once complete, the Pavements and Soils and Materials Committees will then approve the document and then need to make a recommendation to Chief Engineers Council.
- There have been other committees that have reviewed the document (Structures).
- The final product will be a hard copy bound book. There may be a dissemination of a pdf copy to the Committee members for review.
- It was suggested that members who wish to review the document, please advise Marta and she can add you to a distribution list.
- TAC is still seeking appropriate photos. If there are some, Marta would be interested in reviewing them.

External Updates

PIARC

Dave Hein

- Not in attendance. An e-mail update was sent to Hugh and is attached to the minutes. The PIARC website also has further information.

CLTPP / F-SHRP

- Not in attendance.

CUPGA / CTAA

Sandy Brown

- Sandy not in attendance. CTAA is in Quebec City in November 2011. Future conferences will be held in Vancouver and then Newfoundland. Hugh provided a summary of the November 2010 conference in Edmonton. Steve G (editor) provided some info on the status of potential abstracts.

PIEVC

Hugh Donovan

- Engineers Canada set up the committee. Hugh provided an update on the status of the working group he sits on (Roadways?). There are several working groups in existence. Several projects are underway after further funding was obtained. Hugh will be making a presentation on it in the PM.

Past and Future Conferences

- Chris Barnes mentioned an upcoming session on GPR and how it relates to transportation.
- Tim Smith provided a list (attached) of upcoming conferences.
- TAC 2012 Oct 14-17 2012 in Fredericton.
- International Conference on pavements in Chile in November.

Soils and Materials Standing Committee
Ottawa, Ontario
Sunday, April 17 - 09:00 – 17:00

Soils and Materials Standing Committee Meeting Agenda

Approval of Minutes – Soils and Materials Fall 2010

Danielle Fleury

- Danielle went through the minutes briefly. Tom K moved to accept the minutes, seconded by Tim Smith. Approved.

Update of Membership List

Lyle Treleaven

- The list was passed around and will be updated with TAC.

Status of Soils and Materials Committee Sponsored Projects

Best Practices for Recycling Materials in Transportation Infrastructure

James Hoyt

- James provided an update on the terms of reference, budget, consultant award, and recent meetings. Remaining items are an expected draft in July 2011 with a final submission in Feb 2012 with a presentation to follow in April and a final version forwarded to TAC in May 2012. There are 11 sponsors with 8 representatives.

Perma-Frost Guide

Said Kass

- Said provided an update on the status of the guide and the recent meeting of the Climate Change and Northern Infrastructure. Mention was made of the high costs of Infrastructure in northern Canada. He also provided an update on upcoming and recent meetings. Much is on hold until after the election. The guide will be available in English and is being translated into French for this summer.

Working Group Updates

Recycling Materials and Processes

Mark Popik

- Nothing to report at the moment. Mark not in attendance.

Climate Change

Daryl Nixon

- Committee has not been active lately.

Geotechnical

Hugh Donovan

- There have been some meetings with CGS. CGS has some working groups addressing pavements. Hugh has asked that the CGS do a canvas to see if they would like to have a more permanent presence on the SMSC. It is desirable to have members who can knowledgeably discuss soils. Hugh will bring this up at Chief Engineers Council. Daryl mentioned that recent sessions and workshops have been well attended, but there still isn't an active presence on the SMSC. There has been relatively good attendance at conferences, but it is desirable to have them attend the technical meetings as well. There was an open discussion on the geotechnical aspects of transportation.

Material Durability

Lynne Cowe-Falls

Soils and Materials Standing Committee
Ottawa, Ontario
Sunday, April 17 - 09:00 – 17:00

•

Information Sessions

SHRP 2

James Bryant, Lead Senior
Program Officer for SHRP 2

Geotechnical Solutions

Ryan Berg, Co-PI for the RO2
Geotechnical Solutions Project

- A demonstration of the Geotechnical Solutions Website was provided

Self Consolidating Concrete

Sherry Sullivan

- A PPT presentation was made by Sherry

SCC In Tunnels

Keith Foster

- A PPT presentation was made by Keith

Geotechnical Topics to Promote Discussion

Daryl Nixon

•

FRP Composite Rebar

Danielle Fleury

- Danielle can provide the results of her survey to members if requested

Planning for 2011 Fall Conference

Hugh Donovan

Paper Session – Successful Mitigation of Frost Heave

- 5 papers

Paper Session – Success through the Use of Geosynthetics

- 6 papers

Workshop/Information Session on the new Pavement Asset Design and Management Guide
(Co-Sponsor with the Pavements Standing Committee)

- Workshop Wednesday AM

Paper sessions

- Scheduled for Monday afternoon and Wednesday afternoon

Other Business

2012 Spring Meeting Roundtable Discussions

- Committee members asked to keep roundtable topics in mind for the Fall 2011 meetings

Adjournment

- Motion to adjourn by Steve G, seconded by Tim S. Meeting adjourned at 4 PM.