



Canadian Geotechnical Society
Société canadienne de géotechnique

2016 Annual Committee Report

July 1, 2015 to June 30, 2016

Committee Name: Transportation Geotechnique Committee

Section 1: General

Date of report: August 20, 2015

Prepared by: Mario Ruel

Committee Chair: Mario Ruel

End of Term of Chair: 2016

CGS web page address: http://www.cgs.ca/transportation_committee.php?lang=en

Last time your Committee's CGS web page was updated: Fall 2014

Section 2: Executive members and their Affiliations (employers or, if students, universities)

Chair: Mario Ruel, CN Rail

Past Chair: Roger Skirrow, Alberta Transportation

Vice Chair: Serge Bourque, Houle Chevrier Engineering

Secretary: Don Lewycky, City of Edmonton

Section 3: Number of members

Executive members: 4

Total members: 40

Comments: 12 active members

Section 4: Committee is affiliated with which other organizations

National affiliates and names of CGS representatives:

- Transportation Association of Canada (TAC) – Roger Skirrow
- Rail Ground Hazard Research Project (RGHRP) –Tom Edwards, Mario Ruel, Chris Bunce, Roger Skirrow, Tim Keegan, Jean Hutchinson, Melissa Ruel, David Cook

North American affiliates and names of CGS representatives:

- AEG Association of Engineering Geology – Mario Ruel

International affiliates and names of CGS representatives:

- ISSMGE-TC202 Transportation Geotechnics – Mario Ruel

Section 5: Finances

As of: July 15, 2016

Balance: \$0

Section 6: Activities

- Even if the GeoVancouver 2106 technical program is not finalized yet, a large proportion of the papers presented are likely to be related to transportation (up to ~50%). Since there is a constant and growing interest in this topic, CGS TC committee plan to increase the level of activities within next 2 years.
- A MOU was initiated in 2015 with TAC SMSC and is in the process of being completed. CGS TC members to submit geotechnical topics of national interest that TAC could bring forward as standards, guidelines or specifications document. (to be discussed in upcoming T.C. webex conferences).
- In addition to the affiliation noted in section 5; The CGS TC is represented at the US Transportation Research Board (held in Washington January every year), at the GeoRail International conference in Paris every 3 years and at the PWI -Permanent Way Institution (UK).

- Several CGS TC members are also still taking leadership roles in the Railway Ground Hazards Research Project (RGHRP) which is very active on;
 - Numerous remote sensing , hazard detection and risk management research projects
 - The development of several MSc's and PhD's in the field of transportation geotechniques.
 - The elaboration of technical guidelines for ground hazard management for railways which could eventually be extended for other transportation corridors.
- Several RGHRP and transportation related abstracts were presented in excellent and well attended transportation technical sessions in GeoQuebec 2015.
- Several papers on Railway and Transportation Geotechniques will be presented at the GeoVancouver 2016 Conference.
- CGS TC Goals for 2016-2017
 - Organize at least one work shop on trenchless technology and directional boring technique focused on transportation corridors.
 - Ensure that all documentation and web site information to be available in both official languages.
 - Increase active membership and to invite at least 10 new young members to take active role in the TC.
 - Hold 3 conference calls /webex sessions with active members to foster communications, exchange ideas, set new goals and help achieve objectives.