**2017 Annual Meeting Minutes**

**SUBCOMMITTEE BUSINESS**

1. Introductions
2. Announced three awards and honors earned by Scott Anderson in the last two years: TRB’s 2016 K. B. Woods award for the paper “Communicating Multi-Objective Risk –A New Geotechnical Need for Transportation;” AEG’s 2016-17 Jahns Lectureship; and GSA’s 2016 E.B. Burwell Jr. Award (with Jeff R. Keaton) for “The 22 March 2014 Oso Landslide, Snohomish County, Washington: Geotechnical Extreme Events Reconnaissance."
3. Announced Lectern Session on “Implementation of Geotechnical Asset Management.”
4. Announced the GAM Subcommittee will put on a half day symposium for 2018 HGS.
5. Dave Stanley introduced the “Creation Myth of GAM” featuring Kristen Sanford Bernhardt and Erik Loehr humorously recalling their collaboration as young researchers at Univ. of Missouri-Columbia deciding to take advantage of their respective areas of expertise in transportation asset management and geotechnical engineering to create and write about Geotechnical Asset Management.
6. Final Rule-making for DOTs and Asset Management Plans - Paul Thompson
7. NCHRP Research Project – GAM Implementation Manual Report on Progress - Mark Vessely

**PRESENTATIONS**

1. *NCDOT’s Performance-Based Geotechnical Asset Program– John Pilipchuk*.

John Pilipchuk reviewed NCDOT performance based geotechnical asset program - for both slopes and walls (separate systems)

1. *Railroad GAM, present and future practice– Chris Bunce*. Discussion from Canada on BGC Engineering and CN’s use of CSA 1997 risk management framework, AGS 2007, and ISO 2009.  BGC Reviewed plan for CN. Canada is utilizing many aspects of GAM in managing their railroad assets, but it is noted that privately owned railroads have different asset and risk management philosophies from state transportation agencies.
2. *Unstable Slope Management Program for Federal Land Management Agencies Project Update - Jonathan Berry*. Interesting talk on the status of this years-long R&D and Implementation project for agencies that manage federal lands. The R&D project and report were completed in 2017. Training has been conducted and implementation efforts are underway in some locations. Scott raised point about the challenge of inventories and the role of risk in change due to fire.
3. *Risk Cube Tool for Visualization of Risk Components of Geotechnical Assets – Scott Anderson, Mark Vessely, Ty Ortiz*. Another interesting talk on the application of Scott Anderson’s visualization tool to Colorado’s geohazards.

**SUBCOMMITTEE DISCUSSION TOPICS**

1. Discussed potential research project development for 2018 projects based on Bob Kimmerling’s survey of GAM Subcommittee members/friends in 2016. Bob gave results of survey and we had discussion of direction to take with RNS’s.
   1. The members were generally preferred an NCHRP project over a Circular or Synthesis
   2. Discussed potential TRB/NCHRP RNS for studies. Called for volunteers to write and edit RNS’s. Paul Thompson volunteered to draft the RNS’s.
2. Following the Annual Meeting Paul and the volunteer group added a third RNS and prepared three high quality RNS submissions for AASHTO’s RAC consideration. The RNS’s were submitted by Alaska and Colorado DOT’s, but were rejected. The three RNS’s were
   1. Deterioration and Unit Cost Models for Geotechnical Assets
   2. Economic Analysis Tools for Geotechnical Asset Management.
   3. Geotechnical Asset Management: Environmental Sustainability and Resilience
3. A fourth research project proposal for a legal research study was also initiated following the annual meeting pursuant to discussions held outside the meeting venue. This legal research study is titled: “Potential Liability Associated with Unstable Slope Management,” and has been accepted for study by the NCHRP 20-06 Oversight Committee. An RFP for the study is expected to be published soon.
4. Ideas for Future Activities for Subcommittee – brief discussions near adjournment and following the meeting, but no particular action item.