

99th Annual Meeting – Transportation Research Board

Brent Black, Chair
Landslide Technology
Senior Associate Engineering Geologist
(503) 452-1200
brentb@landslidetechnology.com

Advances in Landslides, Analysis, and Control Subcommittee, AKG10(2) (formerly AFP10(2)) Meeting

When: Wednesday, January 15, 2020 – 10:15 Am to 12:00 PM

Where: Marriott Marquis/Gallaudet University (M1)

SCOPE OF SUBCOMMITTEE

Subcommittee charged with reviewing the TRB Special Report 247, “Landslides: Investigation and Mitigation”, and developing recommendations for an update approach. Based on the Subcommittees’ recommendations, TRB will decide how to proceed with this endeavor.

Draft Meeting Minutes

1) Introductions

- Brent Black introduced the subcommittee, discussed the new scope and attendees introduced themselves.

Name	Affiliation	Email
Aaron Zdinar	HDR Engineering, Inc.	aaron.zdinar@hdrinc.com
Aine Mines	Landslide Technology	ainem@landslidetechnology.com
Ben Arndt	RJ Engineering	ben@rj-eng.net
Ben George	Landslide Technology	benjaming@ccilt.com
Brent Black	Landslide Technology	bblack@ccilt.com
Brian Bruckno	VDOT	brian.bruckno@vdot.virginia.gov
Brian Collins	Kiewit	brian.collins1@kiewit.com
Bob Group	CDOT	Robert.group@state.co.us
Colby Barrett	Geostabilization International	colby@gsi.us
Crystal Johnson	NC DOT	cdjohnson8@ncdot.gov
Dan Jackson	Auburn University	dtj0003@auburn.edu
Daniel Lines	Geostabilization	daniellines@gsi.us
Darren Beckstrand	Landslide Technology	darrenb@landslidetechnology.com
Hossein Bahmyari	Kiewit	hossein.bahmyari@kiewit.com
Jake Davidson	IDS GeoRadar	john.davidson@idsgeoradar.com
Jean Hutchinson	Queen’s University	hutchinj@queensu.ca
Jeff Lloyd	Golder Associates	jlloyd@golder.com
John Dodson	TRB	jdodson@nas.edu
John Duffy	Yeh & Associates	jduffy@yeh-eng.com
Keith Turner	Colorado School of Mines	kturner@mines.edu
Krystal Scott	GeoInstitute	kscott@asce.org
Marilyn Dodson	FHWA-CFLHD	marilyn.dodson@dot.gov
Matt Barendse	NYDOT	matt.barendse@dot.ny.gov

Name	Affiliation	Email
Matt Sullivan	Geokon	msullivan@geokon.com
Michael Kiernan	Auburn University	mjk0037@auburn.edu
Michael Poelma	NYS DOT	mpoelma@dot.state.ny.us
Patti Lockhart	TRB	plockhart@nas.edu
Pete Ingraham	Golder Associates	pingraham@golder.com
Randy Post	Golder Associates	rpost@golder.com
Robert Jowers	Tn DOT	robert.jowers@tn.gov
Robert Kimmerling	PanGEO, Inc.	rkimmerling@pangeoinc.com
Robin Lion	Geolabs, Inc.	robin@geolabs.net
Sage Evans	Maccaferri, Inc.	s.evans@maccaferri.com
Sunil Sharma	University of Idaho	ssharma@uidaho.edu
Tim Shevlin	GeoBrugg	tim.shevlin@geobruigg.com
Todd Schlittenhart	Yeh & Associates	tschlittenhart@yeh-eng.com
Tony Simmonds	Geokon	tsimmonds@geokon.com
Ty Ortiz	CDOT	ty.ortiz@state.co.us
Vanessa Bateman	USACE – HQ	vanessa.c.bateman@usace.arm.mil

2) Comments on 2019 Minutes

- 2019 draft meeting minutes were introduced and there were no comments from the group.
- The meeting notes were nominated for acceptance and approved unanimously.

3) Summary of Recommendations Provided to TRB (Brent Black/Ben George)

- Review of Survey Results performed in 2018 and 2019 were provided via PowerPoint
- Review of Recommendations Letter sent to TRP in fall of 2019 was discussed via PowerPoint.
- Summary of Recommendations
 - Need to Update SR247
 - Provided justification in recommendations memo.
 - Recommended creation of a Searchable Electronic Version (PDF) of SR247
 - There is a scanned version available via .pdf, but photographs and figures are very poor.
 - TRB to determine distribution of Searchable SR247
 - TRB recommends *.xml conversion prior to new content development (see TRB Publishing discussion below).
 - Subjects to update/supplement with new material and format of update/new material were discussed. The following were the top five subjects based on the survey results.
 - Remote Sensing
 - Field Instrumentation
 - Landslide Policy and Communication

- Landslide Mitigation Techniques
 - Asset Management related to Landslides
 - Recommendation of Online Portal for new content
- Discussed conversation with Nancy Whiting (TRB feedback)
 - Ty Ortiz provided background information on the Subcommittee and feedback from TRB.
 - Subcommittee recommendations are required within 3 years of instigation of this subcommittee. TRB wants to maintain the subcommittee when the current reorganization is fleshed out.
 - It was not clear prior to the meeting if new content would be free or pay-for-use? Follow-up from TRB needed (see discussion below).
 - Under the new Strategic Realignment, TRB is considering moving away from Task Forces (the vehicle used to develop Special Reports and Miscellaneous Publications in the past).

4) Feedback from TRP Publishing Group (Patti Lockhart and John Dodson – TRB)

- Recommends text (.xml text) with a downloadable version
- Estimated to be a two month effort
- Photograph quality a concern if no original and may need to reproduce figures that is a considerable effort
- They can insert videos as well.
- TRP publishing prefers entire .xml prior to updating content.
- Estimation of cost \$13K to “rekey” and \$19K to create .xml of publication. The \$13K to “rekey” may not be needed?
- TRB would require a subscription to access the book/publication.
- Consideration to “reversion” the book (likely change to a journal instead of a Special Report).

5) Discussion of Chapters and New Content (Open)

- Debris Flows was added to the list of chapters for the initial update process.
- Recommended a task force or several task forces be gathered to update existing chapters and develop new material. However, according to feedback from TRB, task forces may be going away.
 - Recommendation for using forums to accumulate content instead of task forces.
 - A Forum for each chapter/topic being updated/developed, with an Editor for each Forum?
 - Could review notes from the Site Characterization and Slope Design Forum.
- To expedite update, each chapter would be written by a specific group with an individual editor for each chapter/content update.
- Should there be an over-all editor or director to “ride herd” of the groups and direct process? Is that this Subcommittee?

6) Next Steps (Brent Black and Ty Ortiz)

- Further discussions needed with TRB.
 - Searchable Electronic Version (PDF) of SR247 (1996) with .xml text
 - Vehicle for Chapter/Topic Updates/Development
- Develop a new scope for AKG10(2)

DRAFT