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SUBCOMMITTEE MEETING AGENDA **100th ANNUAL MEETING TRANSPORTATION RESEARCH BOARD** **SUBCOMMITTEE AKG 10 (1) – ROCKFALL MANAGEMENT** 12:00 P.M. - 1:30 P.M., TUESDAY, JANUARY 05, 2021 VIRTUAL MEETING

1. Due to the virtual nature of the meeting and shortened time interval we will not have time for introductions. 12:00 pm
2. 2020 Annual Meeting Subcommittee Minutes Ben Arndt
3. Agenda Changes Ben Arndt

4. Summary Past Subcommittee and Related Activities 12:05 pm
 - *In Remembrance of Howard Ingram and Robert Thommen* John Duffy and Erik Rorem
 - Developing and Calibrating Fragmental Rockfall Models using Physics Engines Pooled Fund Marc Fish/Other
 - Practices for New Rock Slope Design and Rockfall Mitigation Darren Beckstrand/Other

5. Announcements - Future Related Activities 12:25 pm
 - 2021 Engineering Geology Committee Meeting AKG10 Ty Ortiz
 - 2021 AKG10(2) Advances in Landslides, Analysis, and Control Brent Black

6. Presentations (Please limit time to 20 min or less) 12:30 pm
 - *Use of Smart Rocks to Improve Slope Design.* Bruma Souza
 - *Modern Tools and Techniques of Our Time – Drone Mapping and Rock Slope Evaluation.* Jon Altschuld/Ben Arndt
 - *Geohazards Industry Center Update- AGHP.* Ahren Bichler

7. Rockfall Research Needs and Future Session Topics 1:25 pm

Fragmentation of Rockfall Workshop

Further Discussion of a workshop or pooled fund study.

Research Needs Statement (RNS) Ongoing from 2020

- Ongoing work with Rockfall Fragmentation Modeling.
 - Drone Synthesis – How are DOT’s and Agencies using Drones and technologies?
 - Partnering with Drones and Photogrammetry with Agencies and DOT’S.
 - Debris Flow Synthesis - How are DOT’s and Agencies using Debris Flow technologies and tools? Characterization of mobility of soils, related soil moisture, resiliency. Use AEG as basis for Debris Flows Synthesis or RNS.
 - Rock Scaling Guidelines – does more need to be done? Training sessions?
 - Geologic Data Web Based Location. Instrumentation, inclinometer, borings, etc.
8. Adjourn 1:30 pm