



2009 ASCE Pacific Northwest Regional Student Conference

Geotechnical Engineering Event: Illustrate the Concept of Effective Stress

Objective: Develop (in advance) and present a physical model (illustration) to demonstrate and explain the concept of effective stress as used in soil mechanics.

Guidelines: The illustration should involve the use of physical elements, materials and/or processes that can be assembled, constructed and/or enacted during a 5 to 10 minute presentation before a panel of judges and peers. Teams are responsible for bringing all materials/equipment – water is available at the site. Each school may field one team consisting of 1-3 members. The use of conventional presentation media (e.g., PowerPoint) and specialty software is not allowed.

Evaluation: Each team will have 5 to 10 minutes to demonstrate and present their effective stress illustration. Teams will be scored on how well the concept of effective stress is illustrated. The demonstration/presentation will also be judged on overall quality, clarity, and level of creativity. Demonstrations/presentations will be open to the public and other competitors. The order of presentations will be randomly selected at the opening of the competition.

Sponsored/Facilitated by: Dr. Bob Mokwa and Dr. Steve Perkins, Geotechnical Engineering Faculty Members at Montana State University Department of Civil Engineering

When: Friday April 3, 2009, 2:00 pm — 4:00 pm

Where: Civil Engineering Laboratory Building

For planning purposes, please email andersl@ce.montana.edu by Wednesday March 25 if your school would like to participate in this event. Thank you.