Panel Discussion: Integrating Geohazard, Geotechnical Asset and Highway System Performance Management

Moderator: Benjamin S. Rivers, P.E.
Geotechnical Engineer
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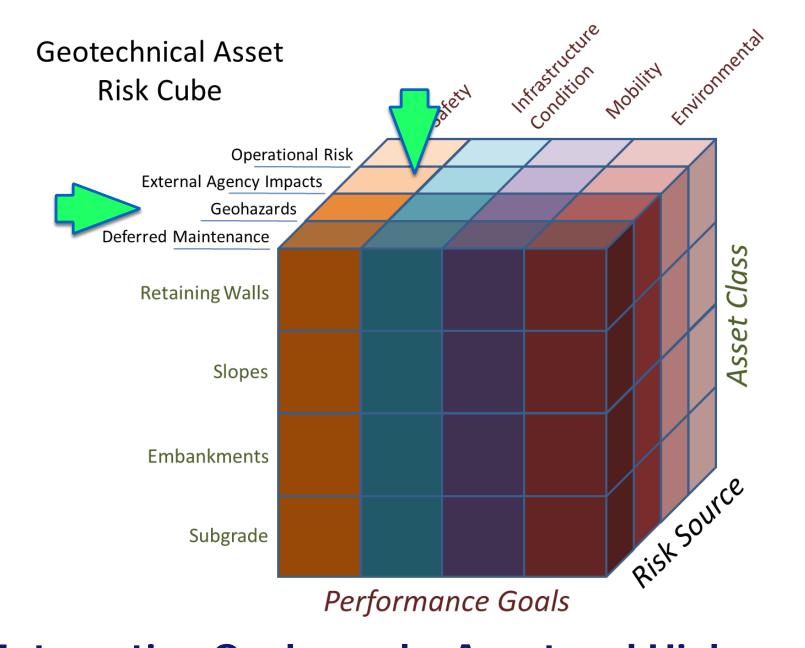


- Scott Anderson, BGC Engineering
- Khalid Mohamed, FHWA
- Ann Beaver, Tennessee DOT
- Bob Bachus, Geosyntec
- Erik Loehr, University of Missouri

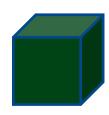


Scott Anderson bgcengineering.com





Integrating Geohazards, Asset and Highway
System Performance Management - voila!



In each cell there is a prediction of deterioration

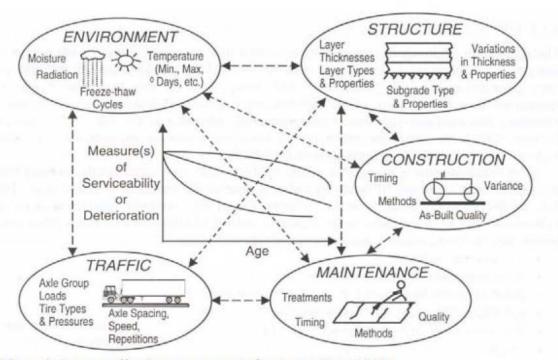
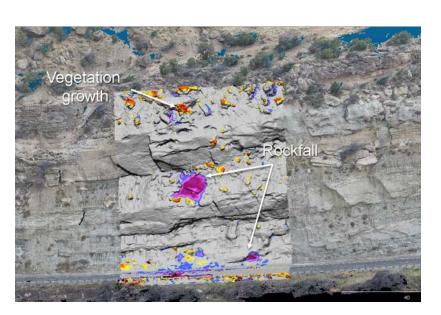
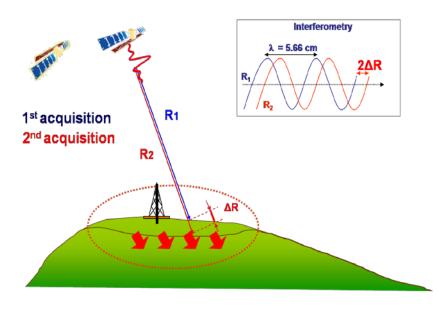


Figure 1: Factors affecting pavement performance (Haas 2003)

Sometimes the risk from deferred maintenance rivals or exceeds that of geohazards - depending on location

New Technology Provides the Efficiency...



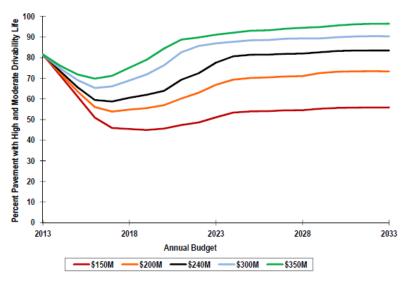


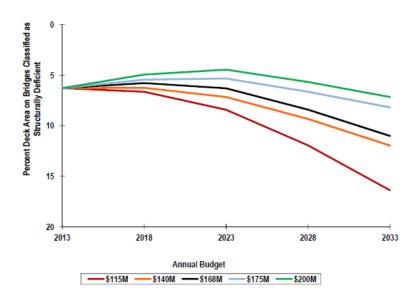


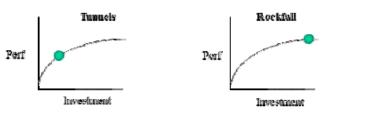


Change detection by remote sensing

Projections based on deterioration and investment models



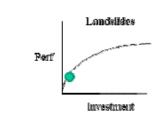




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Figures from: CDOT's Risk-Based Asset Management Plan (2013)

