

# **AGENDA**

## **UTAH GROUND SHAKING WORKING GROUP**

Tuesday, February 14, 2006  
Utah Department of Natural Resources Building, Room 1050  
1594 W. North Temple, Salt Lake City

### **7:30 Continental breakfast**

8:15 Introduction, overview of meeting and review of last year's priorities (Ivan Wong/Gary Christenson)

8:30 Technical presentations of work completed

8:30 – Bill Stephenson, Rob Williams, USGS; 2005 USGS shear-wave seismic imaging

9:00 - Jim Pechmann, Kris Pankow, UUSS – Preliminary results from determination of sediment thickness in SLV using ANSS

9:30 – Jim Bay, USU; Utah, Weber, and Davis Counties SASW (also summary of final results of dynamic soil property testing project)

### **10:00 Break**

10:20 Technical presentations of work completed (continued)

10:20 - Ivan Wong, URS, UU; update on PEER Next Generation of Attenuation Models results

10:35 – Harold Magistrale, Kim Olsen, SDSU; Wasatch Front community velocity model (CVM) demonstration (also summary of planned year 2 work).

11:25 Upcoming work funded or proposed for 2006

11:25 – Ken Stokoe, UTA; Deep SASW

11:45 Other news

Database updates

Basin and Range Province Earthquake Working Group meeting March 8-10, 2006  
“Putting Down Roots” brochure for Wasatch Front/Utah

### **12:00 Lunch**

1:15 Planning for preparing Wasatch Front large-scale seismic hazard maps w/ USGS

- Should we do a SLV pilot project or do the entire Wasatch Front area covered by the CVM?
- Seismic source characterization – Which faults to include?
- Incorporation of uncertainties – Logic trees or shrubs?
- Attenuation relations – Which ones? Numerical region-specific or just empirical?
- Modeling basin effects – How should this be done?
- Site amplification factors – How should they be developed?
- Include directivity/other effects?
- How can we use the results of the ANSS projects?

- Schedule

**3:00 Break**

3:20 Planning for preparing Wasatch Front large-scale seismic hazard maps  
(continued)

4:00 Priorities for 2007 research

**4:45 Adjourn**

Ground Shaking Working Group-Membership list

Ivan Wong, URS Corporation, Facilitator

Gary Christenson, UGS

Walter Arabasz, UUSS

Jim Pechmann, UUSS

Kris Pankow, UUSS

Bob Smith, UUSS

Gerard Schuster, UUGG

Kim Olsen, SDSU

Harold Magistrale, SDSU

Mark Petersen, USGS

Jim Bay, USUCEE

Marv Halling, USUCEE

Francis Ashland, UGS

Steve Bartlett, UUCE

Kyle Rollins, BYUCE

Ken Stokoe, UT

Wulung Chang, UUGG

Greg McDonald, UGS

Relu Berlacu, UUSS