

## **UTAH EARTHQUAKE RESEARCH PRIORITIES FOR 2012**

Below are the priorities defined by the 2011 Utah Earthquake Working Groups and the Utah Geological Survey for earthquake research in Utah in 2012, provided for consideration in responding to the U.S. Geological Survey National Earthquake Hazards Reduction Program (NEHRP) Request for Proposals.

### **Faults**

- Studies of faults should focus on those structures that have been identified as a priority by the 2011 Utah Quaternary Fault Parameters Working Group listed below:

#### Highest Priority (not in order of priority)

- Brigham City segment, Wasatch fault zone rupture extent (north and south ends)
- Long-term earthquake record Nephi segment, Wasatch fault zone
- Long-term earthquake record northern Provo segment, Wasatch fault zone
- Long-term earthquake record southern Weber segment, Wasatch fault zone
- Penultimate event Provo segment, Wasatch fault zone
- West Valley fault zone – Taylorsville fault

### **Ground Shaking/Site Conditions**

- The working group did not develop specific, new priorities for 2012; however, a continuation of on-going work was recommended with a new collaborative work proposal from Jacobo Bielak and Kim Olsen.

### **Liquefaction**

- Expansion of liquefaction-hazard mapping into Weber County.