



FEMA

University of Mississippi Structural Seismic Evaluation

Lafayette County, MS - The University of Mississippi, located within the New Madrid seismic risk zone, has a number of buildings subject to seismic risk. These buildings, at any given time, house a large number of students/faculty, and are all closely located within a high density area. An evaluation of the risk was needed in order to develop a mitigation strategy.

Mississippi Emergency Management Agency, Central United States Earthquake Consortium, University of Mississippi Schools of Engineering and Minerals Resource Institute, and the Mississippi Department of Geology developed a plan of action for conducting a structural evaluation of the buildings, a geological study of the area, and real time modeling of probable seismic events. Access to the University's CRAY Computer enabled the project to manage the complex data and run the seismic modeling. Geology and Engineering staff and graduate students provided data collection and evaluation that was not available or affordable from the private sector.

The findings of the seismic evaluation will be incorporated into future land-use and building/development plans. The project is also being used as a case study for the Schools of Engineering and Architecture at the University of Mississippi.



Lafayette County,
Mississippi



Quick Facts

Sector:

Private

Cost:

\$450,000.00 (Actual)

Primary Activity/Project:

Land Use/Planning

Primary Funding:

Academic