

## **ABSTRACT**

The Pacific Earthquake Engineering Research Center (PEER) is an Earthquake Engineering Research Center administered under the National Science Foundation Engineering Research Center program. The mission of PEER is to develop and disseminate technology for design and construction of buildings and infrastructure to meet the diverse seismic performance needs of owners and society. Current approaches to seismic design are indirect in their use of information on earthquakes, system response to earthquakes, and owner and societal needs. These current approaches produce buildings and infrastructure whose performance is highly variable, and may not meet the needs of owners and society. The PEER program aims to develop a performance-based earthquake engineering approach that can be used to produce systems of predictable and appropriate seismic performance.

To accomplish its mission, PEER has organized a program built around research, education, and technology transfer. The research program merges engineering seismology, engineering, and socio-economic considerations in coordinated studies to develop fundamental information and enabling technologies that are tested and refined using testbeds. Primary emphases of the research program at this time are on older existing concrete buildings, and bridges and highways. The education program promotes engineering awareness in the general public and trains undergraduate and graduate students to conduct research and to implement research findings developed in the PEER program. The technology transfer program involves practicing earthquake professionals, government agencies, and specific industry sectors in PEER programs to promote implementation of appropriate new technologies. Technology transfer is enhanced through a formal outreach program.

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- Volume I, Appendix IIa&b: Current Generic Industrial Membership Agreement  
(with Intellectual Property Agreement)*
- Volume I, Appendix IIc: Certification of the Industrial Membership by the  
Awardee Authorized Organizational Representative*
- Volume I, Appendix II d: Certification of Cumulative and Current Cost Sharing by  
the Awardee Authorized Organizational Representative  
(This section is omitted from this edition due to privacy  
concerns.)*
- Volume I, Appendix IIe: Written Conflict-of-Interest Policy and Certification by  
an Authorized Organizational Representative of the  
Policy’s Enforcement*
- Volume I, Appendix III: Current and Pending Support for PEER Leadership Team  
(This section is omitted from this edition due to privacy  
concerns.)*

