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Engineering Guideline for Incremental Seismic Rehabilitation (Fema P-420 / May 2009) (Paperback)

By U S Department of Homeland Security, Federal Emergency Management Agency, Applied Technology Council

Createspace Independent Publishing Platform, United States, 2013. Paperback. Condition: New. Language: English. Brand new Book. Initial cost and loss of normal building use have been cited as major obstacles to implementation of seismic rehabilitation. The Federal Emergency Management Agency (FEMA) has published a series of occupancy-specific manuals for building owners that presents incremental strengthening of buildings in discrete stages as a way of managing costs and minimizing disruption associated with seismic rehabilitation projects. Incremental strengthening was initially conceptualized for school buildings under a grant from the National Science Foundation to Building Technology Incorporated. The FEMA manuals are the result of a series of projects funded by FEMA and others dating back to the 1980s, which investigated financial incentives for seismic rehabilitation of existing hazardous buildings, physical seismic rehabilitation potential, and institutional capacity for mitigation investment. Work was conducted by a team of consultants led by the World Institute for Disaster Risk Management in association with Virginia Polytechnic Institute and State University, Building Technology Incorporated, Melvyn Green Associates, EQE Incorporated, and George Washington University. Early on, these projects concluded that a strategy for integrating the planning and implementation of seismic strengthening into the overall facility maintenance and capital improvement process was...



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