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Collocation Impacts on the Vulnerability of Lifelines During Earthquakes with Applications to the Cajon Pass, California (Fema 226) (Paperback)

By Federal Emergency Management Agency

Createspace, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Lifelines (e.g., systems and facilities that deliver energy fuel and systems and facilities that provide key services such as water and sewage, transportation, and communications are defined as lifelines) are presently being sited in utility or transportation corridors to reduce their right-of-way environmental, aesthetic, and cost impacts on the communities that rely upon them. The individual lifelines are usually designed, constructed, and modified throughout their service life. This results in different standards and siting criteria being applied to segments of the same lifeline, and also to different standards or siting criteria being applied to the separate lifelines systems within a single corridor. Presently, the siting review usually does not consider the impact of proximity or collocation of the lifelines on their individual risk or vulnerability to natural or manmade hazards or disasters. This is either because the other lifelines have not yet been installed or because such a consideration has not been identified as being an important factor for such an evaluation. There have been cases when some lifeline collocations have increased the levels of damage experienced during an accident or an earthquake....



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