Quantifying Economic Loses from Travel Forgone Following a Large Metropolitan Earthquake

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Abstract

This research provides tools for seismic retrofit decisions in metropolitan transportation networks. The objective is to develop and implement a transportation network model capable of estimating increased travel delays and the economic losses associated with trips eliminated from the transportation network following an earthquake.

The work links earthquake damage to transportation structures to transportation network performance and traveler responses at a metropolitan scale. The framework provides a tool for investigating decision support problems such as evaluating the economic importance of improved network performance. The work was funded by the National Science Foundation through the Pacific Earthquake Engineering Research Center, and by the Federal Highway Administration.

Thursday June 17 at 1:30 pm

Millikan 134, Pomona College

After the talk, meet Prof. Moore, Harry’s Room (ML 209)