

# A Seismic Retrofitting Manual for Highway Bridges

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## Abstract

In 1983, the Federal Highway Administration (FHWA) published a set of guidelines for the seismic retrofitting of highway bridges. These guidelines had been prepared by the Applied Technology Council (as ATC 6-2) and represented what was then the state-of-the-art for screening, evaluating, and retrofitting of seismically deficient bridges. In the 10 years since the publication of these guidelines, there has been significant progress in understanding the seismic response of bridges and the development of new and improved retrofit technologies. It therefore appeared timely to revise this material based on this accumulated

## Collaboration

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experience and to reissue it as a retrofit manual. The change from guideline to manual reflects the fact that this is a field which is changing rapidly, both in design and construction practice. In addition, there are several active research programs in progress at the present time and new techniques are being developed and tested which may greatly influence the state-of-the-art in the near future. It is therefore intended that this revision be an interim one which will be revisited in four or five years time for a second review based on the results of ongoing research and development activities.