

ATC-6-1

**Proceedings of a Workshop on Earthquake
Resistance of Highway Bridges**

January 29-31, 1979
San Diego, California

by
APPLIED TECHNOLOGY COUNCIL
555 Twin Dolphin Drive, Suite 550
Redwood City, CA 94065

Funded by:
NATIONAL SCIENCE FOUNDATION
Washington, DC
Grant Number: PFR78-11802
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PREFACE

These proceedings document the results of a workshop on Earthquake Resistance of Highway Bridges held on January 29-31, 1979. The workshop was funded by the National Science Foundation and conducted by Applied Technology Council (ATC). The objectives of the workshop were to summarize the current state of knowledge and to establish research needs on seismic aspects of highway bridge design.

The proceedings contain the recommendations for future research, the twenty-three state-of-the-art and state-of-the-practice papers and four appendices. The appendices consist of the program, the participants, the members of the working groups, and a compilation of research publications.

ATC would like to thank all those individuals who contributed to the success of the Workshop. We are most appreciative of the efforts of Dr. John B. Scalzi, Program Manager of the Earthquake Engineering Program of the National Science Foundation, for his assistance during the planning of the workshop and for his continuous support and cooperation throughout the project. Our thanks to Mr. Richard Christopherson, ATC President, and the ATC Board of Directors for their helpful advice and support. Special thanks go to the Steering Committee—James Cooper, James Gates, James Libby, Joseph Penzien, and Robert Scanlan—for their assistance in organizing the workshop and their extensive input and efforts as chairmen of the working groups. Wilma Chappell, Administrative Assistant of ATC, deserves special mention for her assistance and dedication in handling all the organizational details and making the workshop an enjoyable experience for all participants. Her help in typing and editing the proceedings is also gratefully acknowledged. Finally, our sincere appreciation goes to all authors of the papers and all participants who took time from their busy schedules to contribute to the success of the workshop.

Funding for the workshop was provided by Grant No. PFR-7811802 from the National Science Foundation and their support is gratefully acknowledged. These proceedings constitute the final report to the National Science Foundation. The conclusions and recommendations expressed herein do not necessarily reflect the views of the National Science Foundation.

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November 1979

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