



**STRUCTURAL SYSTEMS  
RESEARCH PROJECT**

Report No.  
SSRP-2001/23  
**FINAL**

**SEISMIC RESPONSE OF SACRIFICIAL  
SHEAR KEYS IN BRIDGE ABUTMENTS**

by

**SAMI HANNA MEGALLY  
PERDO F. SILVA  
FRIEDER SEIBLE**

Final Report Submitted to Caltrans under Contract No. 59A0051

May 2002

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**DRAFT**

**Seismic Response of Sacrificial Shear Keys in Bridge Abutments**

by

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