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**ADVANCED COMPOSITES FOR THE 3RD MILLENNIUM !****"DESIGN ASPECTS AND FIELD APPLICATIONS"****MARCH 21 & 22, 2000****FULLERTON, CA****PAPERS TO BE PRESENTED****Advanced Composite Materials for 21st Century Bridges**

The Federal Highway Administration's Perspective

J. M. Hooks

Applications of Polymer Composites in California Highway Bridges

J. Roberts

**Design Concepts for Composite Plate Bonding and Column
Confinement**

J. Holloway

**Practical Implementation of Design Procedures
for Retrofit of Bridge Columns using FRP**

R. A. Imbsen and F. Alameddine

**Seismic Response of Reinforced Concrete Moment Connections
Repaired and Upgraded with FRP Composites**

A. Mosallam, P. Chakrabarti, S. Sim and H. M. Elsanadedy

**Seismic Retrofit of Reinforced Concrete Columns
using FRP Composite Laminates**

M. Haroun, M. Feng, M. Yousef and A. Mosallam

**The Retrofit Design of Concrete Columns and Slabs with externally
applied Fiber-Reinforced Polymer (FRP) Composite Materials**

R. M. Elhassan

**Prediction of Cyclic Performance
of Composite-Jacketed Square Reinforced Concrete Bridge Columns**

M. A. Haroun and H. M. Elsanadedy

Repair and Upgrade of R/C Two-Way Slab with Carbon/Epoxy Laminates

A. Mosallam, T. Lancey, J. Kreiner, M. Haroun and H. Elsanadedy

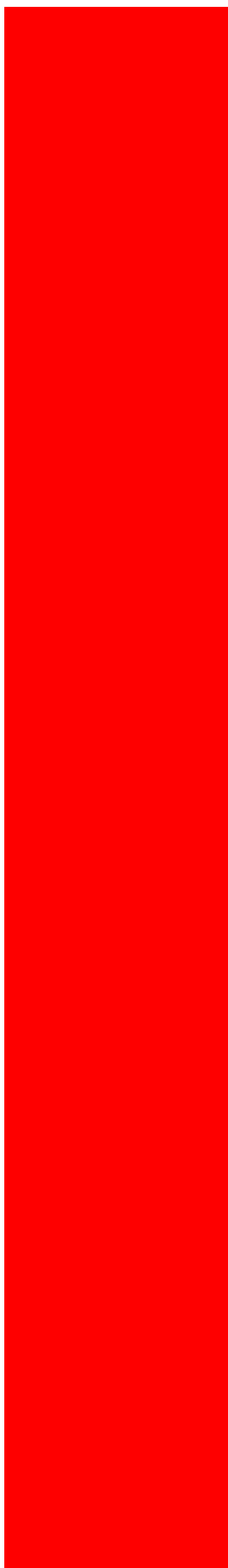
**Strengthening of Full-Scale Reinforced Concrete Beams
using FRP Laminates and Monitoring with Fiber-Optic Strain Gauges**

D. D. McCurry, Jr. and D. Kachlakev

**Seismic Repair and Rehabilitation using FRP Composites:
A Systematic Approach**

G. R. Stevens





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