Monday, September 18, 2006

8:00 a.m.

Plenary Session I - Golden Gate Ballroom

Session Moderator: Jerome O'Connor, MCEER

8:00 Welcome by Phil Yen, FHWA (15 min.)
8:15 Myint Lwin, FHWA (25 min.) “Innovations in Earthquake Engineering for Highway Structures,”
8:40 Rick Land, Caltrans (25 min.) "Seismic Safety - Challenges and Opportunities"
9:05 Prof. Kawashima, Japan (45 min.) "Enhancement of Seismic Performance of Bridges"

Break Bay Bridge Room (9:50 a.m. - 10:15 a.m.)
Vist our Exhibitors 7:30 a.m. - 5:00 p.m. (except during Plenary Session)

	Track A - Golden Gate 'A'	Track B - Golden Gate 'B'
10:15 a.m.	**Session 1A1 (10:15 a.m.)** **Design & Analysis of Major Bridges** Session Moderator: Kevin Thompson, Caltrans	**Session 1B1 (10:15 a.m.)** **Foundations & Geotechnical Considerations** Session Moderator: Michel Bruneau, MCEER
	A01: Seismic Characteristics of Bridge Steel Pedestals by Monique C. Hite, Reginald DesRoches, Roberto Leon (Georgia Institute of Technology); Paul Liles Jr. and Stanley Kim (GDOT)	**B01: Effect of Backfill Soil Type on Stiffness and Ultimate Capacity of Bridge Abutments: Large-Scale Tests** by Azadeh Bozorgzadeh, Scott Ashford, and José Restrepo (University of California, San Diego)
	A02: Design and Analysis of Precast Concrete Bridges in Areas of High or Moderate Seismicity by Bijan Khaleghi (WS DOT)	**B02: Mechanical Axial Force Transfer within Cast-in-Steel-Shell Piles-Verification through Full Scale Experimentation and Finite Element Analysis** by Michael Gebman, Scott Ashford, and José Restrepo (University of California, San Diego)
	A03: Retrofit of a Historic Three-Hinge Arch Bridge by Sherif S. Morcos (HDR Engineering, Inc.)	**B03: Field Testing and Analytical Modeling of a Reinforced Concrete Embedded Pile under Lateral Loading** by Eric Ahlberg, Changsoon Rha, Jonathan P. Stewart, Robert L. Nigbor, John W. Wallace, and Ertugrul Taciroglu, (University of California, Los Angeles)
	A04: Seismic Retrofit of the Posey Tube: A Discussion of Soilcrete and the Construction of Large Diameter Triple Fluid Jet Grout Columns over the Oakland Estuary in California by Marcia E. Kiesse (Caltrans), and Thomas S. Lee (Parsons Brinckerhoff Quade & Douglas, Inc.)	**B04: Overcoming Hurdles that Limit the Application of Nonlinear Seismic Ground Response Analysis in Engineering Practice** by Jonathan P. Stewart and On-Lei A. Kwok (UCLA), Youssef Hashash (UIUC), Neven Matasovic (GeoSyntec Consultants), Robert Pyke (Consulting Engineer), Zhilang Wang (Geomatrix Consultants, Inc.), and Zhaohui Yang (URS Corporation)
	A05: The Seismic Analysis and Design of a Steel Plate Girder Bridge with an Emphasis on Practical Considerations by Clint Krajnik (FHWA)	**B05: Global and Structural Stability Assessments of Fort Mason Tunnel for Seismic Rehabilitation** by Zia Zafir (Kleinfelder, Inc.), Stephen Klein (Jacobs Associates), and Matthew DeMarco (FHWA)

Lunch (Noon - 1:00 p.m.)

1:00 p.m.	**Session 1A2 (1:00 p.m.)** **Use of Innovative Technologies & Materials** Session Moderator: Ian Buckle, UNR	**Session 1B2 (1:00 p.m.)** **Performance Criteria & Economic Considerations** Session Moderator: Elmer Marx, AK DOT
	A06: Multihazard-Resistant Highway Bridge Pier by Michel Bruneau (UB/MCEER), Shuichi Fujikura (UB), and Diego López-García (Pontificia Universidad Catolica de Chile)	**B06: A Comparative Performance-Based Seismic Assessment of Traditional and Enhanced-Performance Bridge Pier Systems** by Won Lee, and Sarah L. Billington (Stanford University)
	A07: New Seismic Retrofit Technologies for a Historic Bridge in California by Paul Chung, Mohammad Ravanipour, and Raymond Wolfe (Caltrans)	**B07: A Rational Method for Calibrating Appropriate Response Modification Factors for Seismic Design of Bridge Columns** by Michel Ghosn, and Abdallah Mechakhcheckh (CUNY)
	A08: Seismic Design of Circular Bridge Columns with Unstressed Prestressing Strand for Transverse Reinforcement by Andrew M. Budek (Texas Tech University), C.O. Lee (Chungnam University), M.J.Nigel Priestley (UCSD)	**B08: Implementation of Displacement Based Design for Highway Bridges** by Vinicio Suarez, and Mervyn Kowalsky (North Carolina State University)
	A09: Rocking of Bridge Piers Subjected to Multi-Directional Earthquake Excitation by Andres Espinoza, and Stephen Mahin (University of California at Berkeley)	**B09: Implications of Future Seismic Bridge Design Guidelines for Illinois** by Daniel H. Tobias , Ralph E. Anderson, Chad E. Hodel, William M. Kramer and Riyad M. Wahab (Illinois DOT)
	A10: Retrofitting the Milford-Montague Truss: Challenges and Solutions by Thomas P. Murphy, and Michael C. Irwin (Modjeski and Masters, Inc.)	**B10: Seismic Hazard for California Bridges Using Deterministic and Probabilistic Methods** by Fadel Alameddine, and Mark Yashinsky (Caltrans)

Break (2:45 - 3:15 p.m.)

3:15 p.m.	**Session 1A3 (3:15 p.m.)** **Emerging Design & Retrofit Technologies** Session Moderator: Dan Tobias, IL DOT	**Session 1B3 (3:15 p.m.)** **Effects of Near-Field Earthquakes on Bridges** Session Moderator: Hamid Ghasemi, FHWA
	A11: Seismic Design of Floating Bridges by Michael J. Abrahams (Parksons Brinkerhoff Quade & Douglas, Inc.)	**B11: An Overview of the Project of Next Generation of Ground Motion Attenuation Models for Shallow Crustal Earthquakes in Active Tectonic Regions** by Brian Chiou (Caltrans), Maurice Power (Geomatrix Consultants), Norman Abrahamson (Pacific Gas and Electric Company), and Clifford Roblee (NEES Consortium Inc.)
	A:12 Seismic-Resistant Connections for Prefabricated Segmental Bridge Columns by Yu-Chen Ou (UB), Ping-Hsiung Wang and K.C. Chang (National Taiwan University+F22), and George C. Lee (UB/MCEER)	**B12: Effect of Near-Fault Vertical Ground Motions on Seismic Response of Highway Bridges** by Emrah Erduran , Zeynep Yilmaz, Sashi Kunnath, Norman Abrahamson, Y.H. Chai (UC Davis); Mark Yashinsky, and Li-Hong Sheng (Caltrans)
	A13: Proof-of-concept Testing and Finite Element Modeling of Self-Stabilizing Hybrid Tubular Links for Eccentrically Braced Frames by J.W. Berman (UB), and Michel Bruneau (UB/MCEER)	**B13: Selection of Forward-Directivity Motions for Non-Linear Analyses of Bridges** by Joanne Lynn Gillie (HWA GeoSciences Inc.), Adrian Rodriguez-Marek (Washington State University), and Cole C. McDaniel (California Polytechnic State University)

Sessions 1A3 and 1B3 end at 4:15 p.m.

4:15 p.m.

Open Discussion Panel on Multiple Hazard Design

Session Moderator: Frieder Seible, UCSD

Golden Gate 'A' 4:15 p.m. - 5:15 p.m.

5:15 p.m.

Poster Session / Reception

Session Moderator: Reginald DesRoches, GaTech
Crystal Spring Room, 1st Floor 5:15 p.m. - 7:00 p.m.

7:15 p.m.

Forum on Seismic Retrofitting

Session Moderator: Glenn Smith, FHWA (by invitation)
Lombard Room, 2nd Floor 7:15 p.m. - 10:00 p.m.