

Tuesday, September 19, 2006

8:00 a.m.	Plenary Session II - Golden Gate Ballroom Session Moderator: George Lee, MCEER	
	8:00 Prof. L. Fan, P. R. China Life Cycle and Performance Based Seismic Design of Major Bridge Engineering (35 min.) 8:35 T. J. Zhu, Buckland & Taylor, Canada "Seismic Design Issues for Long-Span Bridges" (35 min) 9:10 Lars Hauge, COWI, Denmark "Pushing the Span Limits for Longspan Bridges - A State of the Art Review" (40 min.)	
	Break Bay Bridge Room (9:50 a.m. - 10:15 a.m.) Visit 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 2A1 (10:15 a.m.) Design & Analysis of Major Bridges Session Moderator: Stephen Maher, TRB	Session 2B1 (10:15 a.m.) Soil-Structure Interaction & Foundations Session Moderator: Lucero Mesa, SC DOT
	A14: Geotechnical Earthquake Engineering Experience from Seismic Retrofit and New Design Projects of Major Toll Bridges in California by Hubert K. Law, and Ignatius Po Lam (Earth Mechanics, Inc.)	B14: Seismic Energy Dissipation by Foundation Rocking for Bridge SFS Systems by Bruce Kutler, Boris Jeremic, (UC - Davis), Stephen Mahin (UC Berkeley), Jose Ugalde, Sivapalan Gajan, and George Hu (UC - Davis)
	A15: Analytical Assessment of a Major Bridge in the New Madrid Seismic Zone by Aman Mwafy, Amr Elnashai, and Oh-Sung Kwon (UIUC)	B15: Three-Dimensional Nonlinear Finite-Element Soil-Abutment Structure Interaction Model for Skewed Bridges by Anoosh Shamsabadi (Caltrans), Mike Kapuskar (Earth Mechanics, Inc.), and Amir Zand (USC)
	A16: Seismic Analysis and Design of a Multi-Span Bridge in a Region of High Seismicity using SCDOT Seismic Specifications by Amos Liu and William (Brad) Stiller, (Ralph Whitehead Associates, Inc.); and Lucero Mesa (SCDOT)	B16: Comparison of Direct Method versus Substructure Method for Seismic Analyses of a Skewed Bridge by Anoosh Shamsabadi (Caltrans), Hubert K. Law (Earth Mechanics, Inc.), and Geoffrey Martin (USC)
	A17: Collapse Simulation of RC Frames under Earthquakes II: Verification Studies - Collapse of Cypress Viaduct by Yan Zhou, L.M. Zhang, and X.L. Liu (Shanghai Jiao Tong University)	B17: Passive Force-Displacement Relationships from Full-Scale Tests by K.M. Rollins (Brigham Young University), and R.T. Cole (IGES, Inc.)
	AXX: Seismic Response of Precast Segmental Bridge Superstructures with Bonded Tendons by Marc Veletzos and José Restrepo (University of California, San Diego)	B18: Nonlinear Seismic Soil-Abutment-Structure Interaction Analysis of Skewed Bridges by Anoosh Shamsabadi (Caltrans), Mike Kapuskar (Earth Mechanics, Inc.), and Geoffrey Martin (UCLA)
	Lunch (Noon - 1:00 p.m.)	
1:00 p.m.	Session 2A2 (1:00 p.m.) Instrumentation & Monitoring Systems Session Moderator: Rob Stott, Caltrans	Session 2B2 (1:00 p.m.) Liquefaction & Mitigation Strategies Session Moderator: E.V. Leyendecker, USGS
	A18: Real-time, State-of-the-Art Seismic Monitoring of the Integrated Cape Girardeau Bridge Array, Data and Analyses by Mehmet Çelebi (USGS)	B19: Lateral Response of Isolated Piles in Liquefied Soil with Lateral Soil Spreading by Mohamed Ashour (WVU Institute of Technology), and Gary Norris (UNR), JP Singh (JP Singh and Associates)
	A19: Lateral Deformation Capacity of Concrete Bridge Piers by Oguzhan Bayrak, and Sungjin Bae (University of Texas at Austin)	B20: Evaluation of Methods for Analyzing the Seismic Response of Piles Subjected to Liquefaction-Induced Loads by S.R. Rajapathy, and Tara C. Hutchinson (UCI)
	A20: Caltrans/ CGS Downhole Geotechnical Arrays by Pat Hipley (Caltrans), and Anthony Shakal (California Geological Survey)	B21: Numerical Simulation of Soil-Foundation Interaction Subjected to Lateral Spreading by Yohsuke Kawamata, Scott Ashford, and Terrawut Juirnarongrit (UCSD)
	A21: Seismic Instrumentation of the I-40 Bridge in Memphis Tennessee by Shahram Pezeshk, Mitch Withers (The University of Memphis)	B22: A Probabilistic Design Procedure that Incorporates the Pile-Pinning Effect in Bridge Foundations Undergoing Liquefaction-Induced Lateral Spreading by Christian A. Ledezma, and Jonathan D. Bray (UC Berkeley)
	A22: ShakeCast: Facilitating the use of ShakeMap for Post-Earthquake Decision-Making and Response within Caltrans and other Critical Lifeline Communities by David Wald, Kuo-Wan Lin, Bruce Worden (USGS); and Loren Turner (Caltrans)	B23: Liquefaction Mitigation using Stone Columns and Wick Drains for Utah Bridges by K.M. Rollins (Brigham Young University), Bradford E. Price (RBG Engineering), Emily Dibb (Brigham Young University), and James Higbe (Utah DOT)
	Break (2:45 - 3:15 p.m.)	
3:15 p.m.	Session 2A3 (3:15 p.m.) Lessons Learned from Recent Earthquakes Session Moderator: Arun Shirole, Arora & Associates, PC	Session 2B3 (3:15 p.m.) Emerging Design & Retrofit Technologies Session Moderator: Genda Chen, UMR
	A23: Seismic Response of the Hwy 46/Cholame Bridge During the 2004 Parkfield Earthquake by Tom Boardman (Geotechnical Engineer), Anthony Sanchez (T.Y. Lin International Inc.)	B24: Damping-Enhanced Seismic Strengthening of RC Columns for Multiple Performance Objectives by G.D. Chen, and Kazi Karim (University of Missouri-Rolla)
	A24: Lessons Learned From the Seismic Retrofit of the Posey and Webster Street Tubes in Alameda County, California by Thomas S. Lee (Parsons Brinckerhoff Quade & Douglas, Inc.); Randy Anderson, and Rod Murray (Caltrans)	B25: Use of Partially Prestressed Reinforced Concrete Columns to Reduce Post-Earthquake Residual Displacements of Bridges by Stephen A. Mahin, (UC Berkeley), Junichi Sakai (Public Works Research Institute), and Hyungil Jeong (UC Berkeley)
	A25: Post Seismic Inspection and Capacity Assessment of Reinforced Concrete Bridge Columns by Marc Veletzos, Marios Panagiotou, Jose I. Restrepo (UCSD); and Stephen Sahs (Caltrans)	B26: Seismic Performance and Design of Bridges with Curve and Skew by Jia-Dzwan Jerry Shen, and W. Phillip Yen (FHWA)
	A26: Study on the Seismic Settlement of the Alaskan Way Viaduct after the February 28, 2001 Nisqually Earthquake by Hongzhi Zhang (WSDOT)	B27: NCHRP 12-74 Development of Precast Bent Cap Systems for Seismic Regions - Background and Progress by Matthew J. Tobolski (UCSD), Eric Matsumoto (California State University, Sacramento), and José Restrepo (UCSD)
		B28: Improved Seismic Performance of Precast Segmental Bridges Using Jointed Column Connections and Unbonded Tendons by Marc Veletzos, and José I. Restrepo (UCSD)
	Sessions conclude at 5:00 p.m.	
6:30 p.m.	Banquet Master of Ceremonies: Phil Yen, FHWA Golden Gate Ballroom 7:00 p.m. - 9:00 p.m. Cash Bar opens at 6:30 Guest Speaker: Charles Seim, Consulting Engineer: "Bridge Engineering - We've Come a Long Way"	