Workshop 148
Implementation Status of Geotechnical Load and Resistance Factor Design in State Departments of Transportation
Sunday, January 13, 2008, 1:30 PM - 5:00 PM, Marriott
Robert E. Kimmerling, PanGeo Inc., presiding

Sponsored by:
Foundations of Bridges and Other Structures Committee (AFS30)

Pennsylvania's Experience with LRFD Implementation (P08-0754)
Thomas P. Macioce, Pennsylvania Department of Transportation

North Carolina's Experience with LRFD Implementation (P08-0755)
Njoroge W. Wainaina, North Carolina Department of Transportation

Louisiana's Experience with LRFD Implementation (P08-0757)
Arthur Wagner D'Andrea, Louisiana Department of Transportation and Development

West Virginia's Experience with LRFD Implementation (P08-0758)
Benjamin Beerman, West Virginia Department of Transportation

Florida's Experience with LRFD Implementation (P08-0759)
Peter W. Lai, Florida Department of Transportation

Past, Present, and Future of AASHTO LRFD Specifications for Geotechnical Features (P08-0760)
Jerry A. DiMaggio, Federal Highway Administration

Panel/Audience Q & A (P08-0761)

State departments of transportation are required to design bridge substructures with the AASHTO load and resistance factor design (LRFD) code. The objective of this workshop is to present various states' experiences and status in the practical implementation of LRFD in geotechnical and substructure design. Presentations will include case histories of an actual implementation of LRFD for a bridge project and state experiences with implementation of LRFD into everyday design of substructures from a policy and procedure point of view.

Subject Areas:
Soil Mechanics
Structures

Session 262
Implementation of Load and Resistance Factor Design Method for Bridge Substructures
Monday, January 14, 2008, 10:15 AM - 12:00 PM, Marriott
Jerry A. DiMaggio, Federal Highway Administration, presiding

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Application of Pile Load Tests with LRFD Methodology in Washington State (P08-0361)
Robert E. Kimmerling, PanGeo Inc.

LRFD CALIBRATION OF AXIALLY-LOADED CONCRETE PILES DRIVEN INTO SOFT SOILS (08-0785)**
Sungmin Yoon, Louisiana State University
Murad Yusuf Abu-Farsakh, Louisiana State University
Ching Tsai, Louisiana Department of Transportation and Development
Zhongjie Zhang, Louisiana Department of Transportation and Development

Resistance Factors for Drilled Shafts in Weak Rocks Based on O-Cell Test Data (08-2578)**
Xiaoming Yang, University of Kansas
Jie Han, University of Kansas
Robert L. Parsons, University of Kansas
Robert W. Henthorne, Kansas Department of Transportation

State Experiences with Implementing LRFD Specifications: TRB Workshop Summary (P08-0362)
Robert E. Kimmerling, PanGeo Inc.

Panel Discussion (P08-0363)
Robert E. Kimmerling, PanGeo Inc.
Sungmin Yoon, Louisiana State University
Murad Yusuf Abu-Farsakh, Louisiana State University
Ching Tsai, Louisiana Department of Transportation and Development
Zhongjie Zhang, Louisiana Department of Transportation and Development
Xiaoming Yang, University of Kansas
Jie Han, University of Kansas
Robert L. Parsons, University of Kansas

** Design and Construction Group Practice-Ready Paper

Poster Session 444
Evaluation and Analysis of Bridge Foundation Elements and Approaches
Tuesday, January 15, 2008, 9:30 AM - 12:00 PM, Marriott
Robert A. Burnett, New York State Department of Transportation, presiding

Sponsored by:
Foundations of Bridges and Other Structures Committee (AFS30)

Creep Behavior of Fiber-Reinforced Plastic Piles Under Vertical Loads (08-0866) - B11
Uri Komornik, Polytechnic University of New York

Evaluation and Recommendations for Flowfilll and Mechanically Stabilized Earth Bridge Approaches (08-1305) - B12**
Naser Mahmood Abu-Hejleh, Federal Highway Administration

Target Reliability Indices of Static Bearing Capacity Evaluation of Driven Steel Pipe Piles (08-0858) - B13
Kiseok Kwak, Korea Institute of Construction Technology
Kyung Jun Kim, North Carolina Department of Transportation
Jungwon Huh, Chonnam National University, Korea
Jae Hyun Park, Korea Institute of Construction Technology
Juhyung Lee, Korea Institute of Construction Technology

Load Transfer Mechanisms of Drilled Shafts Socketed in Weathered Gneiss (08-3144) - B14
Oh Sung Kwon, Daelim Industrial Company, Ltd., South Korea
Sangseom Jeong, Yonsei University, South Korea
Myoung Mo Kim, Seoul National University, South Korea

** Design and Construction Group Practice-Ready Paper