Geotechnical Frontiers 2017: Transportation Facilities, Structures, and Site Investigation



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Edited by
Thomas L. Brandon, Ph.D., P.E.
Richard J. Valentine, P.E.

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EDITED BY
Thomas L. Brandon, Ph.D., P.E.
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Preface

Geotechnical Frontiers 2017 was held in Orlando, FL, on March 12-15. It is the third conference co-sponsored by the Industrial Fabrics Association International (IFAI) and the American Society of Civil Engineers' Geo-Institute (G-I). Other supporting organizations are acknowledged below.

The conference includes topics which illustrate that our understanding of traditional subjects, such as the physical properties of soils, the stability of slopes, the details of mechanically-stabilized earth, the design of roadways and the efficacies of geosynthetics remains far from complete. It also includes topics that reflect the dynamic and evolving nature of our industry, such as thermal properties of soils, energy geostructures, coastal engineering and measures to process coal combustion residuals.

The conference was organized with eight concurrent technical sessions over a period of three days. Most sessions are 90-minutes-long, and ideally, contain five to six presentations. These constraints limited the total number of slots that are available for paper presentations, and consequently, the total number of papers that can included in the proceedings. This is because, according to the conference rules, a paper must be presented in order to be published in the proceedings.

We received 893 abstracts for the conference. Each abstract was reviewed by the two technical session co-chairs and by at least one of the conference technical co-chairs. Of the 689 abstracts that were accepted, 583 resulted in draft manuscript submittals. Each manuscript received at least two reviews. At the end of this process, 361 manuscripts were recommended for publication in the six volumes of these proceedings. Unfortunately, the limited number of presentation slots made it necessary to decline many fine papers. We encourage the authors to submit at other venues.

Geotechnical Frontiers is also the venue for special presentations of invited and award lectures. Prof. Kerry Rowe presented the Terzaghi Lecture, Prof. Vaughan Griffiths presented the Seed Lecture, and Prof. Ning Lu presented the Peck Lecture. The inaugural Robert. M. Koerner Award and Lecture debuted at this conference and George Koerner was the speaker. There was also a special honorary symposium in recognition of the distinguished career and countless contributions of Professor Mike Duncan.

Thomas L. Brandon and Richard J. Valentine, Editors
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Contents

Column-Supported Embankments

Polymeric Shell-Confined Aggregate Pier Ground Improvement Method to Support Bridge Embankments over Soft Clay Soil 1
Tony Sangiuliano, Jason Brown, Brian C. Metcalfe, and Kord J. Wissmann

A Geogrid-Reinforced Timber Piled Embankment over Kettle-Fill Deposits near Chicago, Illinois 11
Mickey L. Snider and Liviu M. Iordache

I-295/I-76/Route 42 Direct Connect—CSES Design Considerations and Measured Results.....21
Kyle R. Shatzer, Mary C. Nodine, Frederic Masse, and Brandon T. Buschmeier

Numerical Analysis of Rigid Inclusion Behavior under Lateral Loads.....30
Alfonso J. Rivera, C. Guney Olgun, Thomas L. Brandon, and Frederic Masse

Numerical Modeling of Columnar-Reinforced Ground Behavior during Dynamic Centrifuge Testing.....39
Soheil Kamalzare and C. Guney Olgun

How Geosynthetic Reinforcement Supports the Piled Embankment: A Numerical Approach 49
Young-Hoon Jung, Taehee Lee, Su-Hyung Lee, and Il-Wha Lee

Field Construction QA and QC

Utilizing a Neighboring Weighted-Estimation Method for Anomaly Detection with a Continuous Compaction Control Data Set 55
William J. Baker III and Christopher L. Meehan

Non-Destructive Testing of Drilled Foundations at Cove Point Using Thermal Integrity Profiling 66
James P. McDermott, Justin T. Zarrella, and Seth H. Hamblin

Variability of Intelligent Compaction Data on Embankment and Subgrade Geomaterials 75
Mehran Mazari, Jorge Beltran, Raed Aldouri, and Soheil Nazarian

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Field Measurement of Noise and Ground Surface Vibration during Pile Jetting and Grouting 84
Sudheesh Thiyyakkandi, Michael C. McVay, Peter Lai, and Rodrigo Herrera

Resistivity Measurement of Backfill for Mechanically Stabilized Earth Walls.....94
Zack A. Brady, Robert L. Parsons, Jie Han, Stacey Kulesza, and James Brennan

Geotechnical Aspects of Transportation Systems

Influence of Chemical Stabilization on the Flexural Fatigue Performance of Subgrade Soil 103
Moeen Nazari, Rouzbeh Ghabchi, Musharraf Zaman, and Sesh Commuri

Failures of Pipe Culverts from a 1000-Year Rainfall Event in South Carolina 114
Sarah L. Gassman, Inthuorn Sasanakul, Charles E. Pierce, Emad Gheibi, Ryan Starcher, William Ovalle, and Mostaqur Rahman

Evaluation of the Freeze and Thaw Durability of Road Soils Stabilized with a Biofuel Co-Product.....125
Bo Yang, Halil Ceylan, Kasthurirangan Gopalakrishnan, and Sunghwan Kim

Comparison between the Permeability and Diffusivity Function Derived from Different Methods of Unsaturated Expansive Soils 134
Hussein Al-Dakheeli, Rifat Bulut, Charles Aubeny, and Robert Lytton

Measurement and Finite Element Modeling of the Pavement Response to Superloads.....144
Joseph Podolsky, Jeramy C. Ashlock, and R. Christopher Williams

Ground Improvement

Strengthening of Montmorillonitic and Kaolinitic Clays with Calcium Carbide Residue: A Sustainable Additive for Soil Stabilization.....154
Nima Latifi and Christopher L. Meehan

Design and Construction of an Experimental Soil-Bentonite Cutoff Wall 164
Jeffrey C. Evans and Daniel G. Ruffing

Lessons from Case Histories of Electro Osmosis Consolidation 175
Milad Naghibi, Hossam Abuel-Naga, and Rolando Orense

Rapid Load Testing of Stone Columns 185
John Touma, Salah Sadek, and Shadi Najjar

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Mineralogy of Calcium Carbonate in MICP-Treated Soil Using Soaking and Injection Treatment Methods.....195
T. Hamed Khodadadi, Edward Kavazanjian, and Huriye Bilsel

Load Distribution on Buried Structures

The Effect of Soil Depth and Box Culvert Geometry on the Static Soil-Culvert Interaction.....202
O. Abuhajar, T. Newson, and H. El Naggar

Seismic Response of Shallow Buried Box Tunnels with Geofoam Side Cushions.....212
Ozgur L. Ertugrul and Aurelian C. Trandafir

Selection of Soil Stiffnesses for the Load Rating of In-Service Culverts.....223
S. Mehdi Mousavi, Priyantha W. Jayawickrama, Timothy A. Wood, and William D. Lawson

Estimation of the Coefficient of Lateral Stress Used in the Calculation of Loads on Buried Structures.....233
Talia S. da Silva, Mohammed Z. E. B. Elshafie, and Gopal S. P. Madabhushi

Modeling Factors Influencing Culvert Load Ratings: A Parametric Analysis.....243
Timothy A. Wood, James G. Surles, S. Mehdi Mousavi, Priyantha W. Jayawickrama, Amir Hossein Javid, Hoyoung Seo, and William D. Lawson

Full-Scale Burial Testing of Pipes and Storm Chambers 253
C. Joel Sprague and James E. Sprague

Modeling of Pavement Variability

Base Course Resilient Modulus for the Mechanistic-Empirical Pavement Design Guide 263
Aditya Ayithi and Dennis R. Hiltunen

Moisture Sensitivity of Warm and Hot Mix Asphalt: Comparison of Loaded Wheel Tracking and Modified Lottman Tests.....272
Shadi Saadeh and Louay Mohammad

Probabilistic Modeling of the Material Properties of Flexible Pavements for Mechanistic Empirical and Reliability Analysis.....281
Sudip Bhattacharjee

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Inherent Variability in the Parameters Describing the Linear Viscoelastic Response of Asphalt Concrete 291
Hussein A. Kassem, Shadi Najjar, and Ghassan R. Chehab

Discrete Element Analysis of SCB Variability—Asphalt Mixtures 302
David Renteria, Enad M. Mahmoud, Rolando Yanez, and Victoria Burbach

Probability Density Functions Associated with the Resilient Modulus of Virgin Aggregate Bases 314
Pranav R. T. Peddinti, B. Munwar Basha, and Sireesh Saride

Roadway Materials, Monitoring, and Testing

The Influence of a Curing Regime on the Geotechnical Properties of Ladle Furnace Slag as Used in Pavement Applications 324
Farshid Maghool, Arul Arulrajah, Hamed Haghighi, Suksun Horpibulsuk, and Yan-Jun Du

Leaching Behavior of Concrete Containing Municipal Solid Waste Incineration Bottom Ash 334
Jinwoo An, Jongwan Eun, and BooHyun Nam

Performance of the Overlay Tester in Cyclic Loading Mode 343
Victor M. Garcia, Jose Garibay, Imad Abdallah, and Soheil Nazarian

Effect of Various Warm-Mix Technologies on the Stiffness and Rutting Characteristics of Asphalt Concrete 353
A. S. M. Asifur Rahman, Matias M. Mendez, and Rafiqul A. Tarefder

RAP and the Aging of Asphalt Concrete 364
Hasan M. Faisal, A. Rahman, Umme A. Mannan, and Rafiqul A. Tarefder

Performance Assessment of Geocell-Reinforced Subballast: Modeling and Design Implications 374
Ngoc Trung Ngo, Buddhima Indraratna, and Michael M. Biabani

Comparison of Laboratory and Field Test Results for Granular Bases 384
Prajwol Tamrakar and Soheil Nazarian

Laboratory Investigation of the Mechanical Stability of Unbound Permeable Aggregate Base Materials: Preliminary Direct Shear Test Results 393
Zhen Zhang, Daiqi Lyu, Yuanjie Xiao, Liuxin Chen, and Xiaobin Chen

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The Rapid Soils Analysis Kit—Enabling Contingency Construction Anywhere.....405
Ernest S. Berney IV

Characterization of the Geo-Environmental Properties of Untreated or Cement Treated Recycled Base Materials in Pavement Base Layer Applications.....415
M. Faysal, M. S. Hossain, S. B. Salah, S. Bhattacharjee, B. Thian, and M. S. Khan

The Effect of Crushing of Unbound Granular Materials Forming Part of Flexible Pavement Systems 424
Luis E. Vallejo, Zamri Chik, and Sebastian Lobo-Guerrero

Evaluating Railroad Ballast Degradation Trends Using Machine Vision and Machine Learning Techniques.....432
Benjamin L. Delay, Maziar Moaveni, John M. Hart, Phil Sharpe, and Erol Tutumluer

Interfacial Shear Properties of Geosynthetic Interlayered Asphalt Overlays 442
V. Vinay Kumar, Sireesh Saride, and Pranav R. T. Peddinti

Sinkhole Engineering

Sinkhole Early Detection System 452
Matthew A. Dettman and Ronald J. Rizzo

Development of Sinkhole Hazard Mapping for Central Florida 459
Yong Je Kim, Han Xiao, Dingbao Wang, Yeon Woo Choi, and Boo Hyun Nam

Sinkhole Risk Evaluation by a Subsurface Cone Penetration Test 469
Ryan M. Shamet, Kathy Gray, and Boo Hyun Nam

Numerical Investigation of the Geomechanics of Sinkhole Formation and Subsidence.....480
Kishor Rawal, Liang Bo Hu, and Zhong Mei Wang

Development of a Large Warehouse Complex Overlying Slag, a Landfill, and Karst 488
Eric S. Backlund

Limit State Sinkhole Risk Assessment.....495
Michael Perlow Jr., Max William Perlow, and Joshua Wagner

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Tunneling Methods, Modeling, and Effects

Effect of an Existing Tunnel Shape on Crossing Tunnels' Interaction 505
R. Wang, C. W. W. Ng, and T. Boonyarak

Study on the Use of a New Pre-Supporting Technique for the Construction of an Underground Transit System 515
Ali M. Sheikhbahaei

Monitoring the Behaviour of an Existing Royal Mail Tunnel: London Underground Bond Street Station Upgrade Works.....525
C. Y. Gue, M. J. Wilcock, M. M. Alhaddad, M. Z. E. B. Elshafie, K. Soga, and R. J. Mair

The Use of Permanent Tiedown Anchors for Underground Structures 536
James E. Parkes and Raymond J. Castelli

Managing Ground Deformation Risks on Underground Construction Projects in Urban Settings 546
Jenn Sketchley, Peter Kottke, and Moussa Wone

Evaluation of the Construction Effectiveness for Shield Tunneling in Complex Ground Based on FCE and AHP 556
Mengbo Liu, Shaoming Liao, and Jichao Li

Pipeline Response to Ground Deformations Induced by Tunneling.....566
Evangelia S. Ieronymaki and Andrew J. Whittle

Centrifuge Modelling of Tunnelling beneath Axially Loaded Displacement and Non-Displacement Piles in Sand 576
Andrea Franza and Alec M. Marshall

Silvertown Tunnel, London, England—A Case Study Applying BIM Principles to the Geotechnical Process 587
Gary Morin, Scott L. Deaton, Roger Chandler, and Simon Miles

Site Investigation and Characterization

Site Characterization of an Abandoned Gold Mine Using the Multi-Channel Analysis of the Surface Waves Method 596
Nigel Crook, Shawn Calendine, and Marc Levitt

Penetrating in Granular Materials: Effects of Penetrator Dynamics.....604
Sichuan Huang and Junliang Tao

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An Instrumented Becker Penetration Test for the Estimation of Soil Penetration Resistance and Pile Capacity in Gravelly Soils 614
Kevin C. Kuei, Anthony M. Rossiter, Alex P. Sturm, Jason T. DeJong, Daniel W. Wilson, and Mason Ghafghazi

Three-Dimensional Visualization Model of the Eagle Mountain Dam Using Cone Penetration Test Data Based on Geostatistics.....623
Santiago R. Caballero, Tejo V. Bheemasetti, Anand J. Puppala, Louie Verreault, and Dorota Koterba

New Research Benchmark Test Sites in Norway.....631
J. S. L'Heureux, R. Carroll, S. Lacasse, T. Lunne, S. O. Strandvik, S. Degago, A. Instanes, S. Nordal, and A. Sinitsyn

Qualitative Endoscopic Observation of Hydraulic Fractures to Investigate the Effect of Fluid Viscosity 641
Seong Jun Ha, Tae Sup Yun, and Kwang Yeom Kim

Multichannel Analysis of Surface Waves (MASW) Using Both Rayleigh and Love Waves to Characterize Site Conditions 647
Siavash Mahvelati and Joseph Thomas Coe

The Use of Two Dimensional (2D) Multichannel Analysis of Surface Waves (MASW) Testing to Evaluate the Geometry of an Unknown Bridge Foundation.....657
Siavash Mahvelati and Joseph Thomas Coe

Quantifying and Analyzing the Signal-to-Noise Ratio in Down-Hole Seismic Testing.....667
Mark A. Styler, Ilmar Weemees, and John Rogie

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