

Preliminary AGENDA

Committee Meeting A2K03
Foundations of Bridges and other Structures
Monday, January 12, 2004
1:30 P.M. to 5:30 P.M.
Marriott Hotel, Washington Room B3
Chairman, C. Dumas
Secretary, J. Sheahan

1:30 Welcome

- Approval of 2003 minutes
- Discussion and Approval of Triennial Self-Evaluation of Report—Years 2000, 2001, 2002, 2003.
- KB Woods Award—A K03 Paper Won for 2003! Maybe a first ever for Geotech. Paper No. 03-3230: *“Dynamic Finite Element Analysis Of Vessel-Pier-Soil Interaction During Barge Impact Events”* by **Gary R. Consolazio, G. Benjamin Lehr, and Michael C. McVay**
- Michael W. O’Neill Legacy Fund
- Putting Chris out to Pasture, pictures, plaques, smiles, and cheers.
- New Chairman Introduction. You’ll have to come to find out!
- TRB Announcements—We have a new name.
- Update on The ASCE Geo-Institute's Deep Foundations Committee Special Publication titled: *“Current Practices and Future Trends in Deep Foundations” A Geotechnical Special Publication Honoring George G. Goble.*

2:00 Summary A2K03 Sponsored ‘2004 Sessions:

Monday January 12, 2004

10:15am-12:00pm	251	Practical Applications of Load Resistance Factor Design for Foundation and Earth Retaining System Design and Construction	A2K03, A2K05	Marriott
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Tuesday January 13, 2004

8:00am- 9:45am	414	Intelligent Compaction System	A2K02, A2K03	Shoreham
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10:15am-12:00pm	453	Condition Assessment of Buried Metal Tensioned Elements	A2L03, A2K03	Marriott
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1:30pm- 3:15pm	481	Recent Experiences and Advancements in US and Abroad on the Use of Auger Cast-in-Place Piles, Part 1 (Part 2, Session 522)	A2K03	Marriott
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3:45pm- 5:30pm	522	Recent Experiences and Advancements in US and Abroad on the Use of Auger Cast-in-Place Piles, Part 2 (Part 1, Session 481)	A2K03	Marriott
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Wednesday January 14, 2004

4:30pm- 6:00pm	716	Modeling of Bridge and Foundation Response to Lateral Loading	A2K03	Marriott
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Thursday January 15, 2004

8:00am- 9:45am	802	Advances in Real Time Geo-Instrumentation, Part 1 (Part 2, Session 824)	A2K03, A2K01	Marriott
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10:15am-12:00pm	824	Advances in Real Time Geo-Instrumentation, Part 2 (Part 1, Session 802)	A2K03, A2K01	Marriott
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2:00 Future Sessions.

- 2005 Session: Vessel Impact/ Structure Analysis Methods – This would include a review of current methods used to design bridge structures for vessel impact including the use of impact attenuation systems (i.e.; artificial islands, cells, etc.) Contacts are Gary R. Consolazio, Mike O’Neill, Mike McVay (FDOT), Tom Cooling, George Goble. Joint Geotech and Structures Session. Would like it to be international.
- Other Topics? **Please send them to me before the meeting.**

2:30 Research Topics and Proposals

3:00 Break

3:30 Presentation

- X A Summary Report on Pile Driving Fish Kill Issues and Mitigation, by Sara Hardyniec. Will highlight Woodrow Wilson Bridge Project, the Artery in Boston and Projects in California.
- X State of the Practice report on non-destructive testing of drilled shafts. The report provides a summary of the different methods and then provides the results a comprehensive survey of state DOTs. This presentation would be given by Brian Liebich, Caltrans Senior Engineer and technical advisory panel member, and Mark Tufenjian
- X Overview of NCHRP 24-17 "LRFD for Deep Foundations" and NCHRP 21-08 "Innovative Load Testing Systems." Dr Samuel G Paikowsky
- X Update on Soil Nail Launcher Technology. Bob Barrett.

X
4:00 New Business

4:30 Other Items

4:35 Adjourn

TRB 82nd Annual Meeting
January 12-16, 2003
G.P. Jayaprakash's Schedule
ROOM INFORMATION WILL BE AVAILABLE IN THE FINAL PROGRAM
(Items identified with an "*" are for Members only)

Sunday January 12, 2003

1:30pm-5:00pm

Workshop: Doctoral Student Research in Transportation Geotechnics—A2K00, A2L00, A2J00--Marriott—
Washington B4

Workshop: Innovative Technology for Construction of Bridge and Embankment Foundations—A2K03--
Marriott—Cotillion South

Workshop: Subsurface Sensing Technologies in Transportation Infrastructure –A2K05--Marriott—Delaware B

7:30pm-10:00pm

"*" A2000--Group 2 Council, Design and Construction of Transportation Facilities: Orientation—A2000--
Marriott

A2K07(2) - Subcommittee on Geosynthetics in Flexible Pavement Systems -- Marriott

A2L05(1)- Subcommittee on Rockfall Management—Marriott

A2K05(1)--Subcommittee on Applications of Nontraditional Computing Tools including Neural Nets –Marriott

Monday, January 13, 2003

8:00 am –9:45am

A2K05(2)--Subcommittee on Reliability in Geotechnical and Pavement Engineering—Marriott

A2L05(2)--Subcommittee on Scour Research--Marriott

Session 204: Frost Effects on Pavement Performance, A2L04, A5002, E1002, A2B05, A2B02, A2B03 --
Marriott

8:00am-12:00pm

A2J01--Committee on Cementitious Stabilization --Marriott

1015:am –12:pm

Session 242: Emerging Technologies to Continuously Monitor Earthwork Construction, A2K01, A2K02 —
Marriott

Session 249: Recent Improvements in the Performance of Pavement Drainage Systems, A2K06, A2B03,
Marriott

1:30pm – 3:15pm

Session 274: Seasonal Effects on Roads, Part 1 (Part 2, Session 316) – A2L04, A5002, A2B05, A2B02,

A2B03—Marriott

Session 281: Design and Maintenance of Low Volume Roads and Unpaved Roads – A5002--Marriott

1:30pm-5:30pm

A2J02 -- Committee on Chemical and Mechanical Stabilization- Marriott

A2J03-- Committee on Mineral Aggregates --Marriott

A2K01 - Committee on Soils and Rock Instrumentation —Shoreham

A2K06 -- Committee on Subsurface Drainage --Marriott

3:45pm –5:30pm

Session 316: Seasonal Effects on Roads, Part 2 (Part 1, Session 274) – A2L04, A5002, E1002, A2B05, A2B02, A2B03—Marriott

7:30pm – 9:30pm

Session 348: Aggregate Resource Availability and Its Effects on Infrastructure Development –A2L01, A2J03, A2L05 --Marriott

Session 353: Fiber Reinforced Polymer Piles—A2K01, A2K03--Marriott

7:30pm-10:00pm

A2K02 -Committee on Transportation Earthworks- Marriott

A2K05--Committee on Modeling Techniques in Geomechanics – Marriott

A2L02-Committee on Soil and Rock Properties – Marriott

Tuesday January 14, 2003

8:00am-9:45am

Session 404: Analysis, Design, And Testing of Deep Foundations, Part 1(Part 2, Session 447) – A2K03 – Marriott

Session 410: Identification and Stabilization of Sulfate Bearing Soils – A2J01--Marriott

Session 412: Existing and Emerging Microelectromechanical Systems (MEMS) Applications to Monitor Transportation Infrastructure –A2F09 Marriott

8:00am—12:00pm

A2K07 --Committee on Geosynthetics -- Marriott

A2L04--Committee on Frost Action--Marriott

10:15am-12:00pm

Session 447: Analysis, Design, and Testing of Deep Foundations, Part 2, (Part 1, Session 404)—A2K03- Marriott

Session 453: Chemical and Mechanical Stabilization – AJ02-Marriott

Session 455: Emerging Technologies for Constructing and Maintaining Transportation Infrastructure – A2F09-Marriott

12:00pm – 3:15pm

“*” A2J00 --- Section on Geomaterials-- Marriott

1:30pm – 3:15pm

Session 479: Spatial Variability in Geotechnical Engineering –A2K05 --Marriott

1:30pm-5:30pm

A2K03 -- Committee on Foundations of Bridges and Other Structures
Marriott

A2L05 -- Committee on Engineering Geology -- Marriott

3:45pm – 5:30pm

Session 524: Spatial Variability in Pavement Engineering –A2K05- Marriott

A2L06-- Committee on Engineering Behavior of Unsaturated Soils-- Shoreham

5:30pm – 9:30pm

“*” A2K00 --Section on Soil Mechanics– Marriott

7:30pm – 9:30pm

Session 556: Modeling of Granular Bases for Flexible Pavement—A2J03-Marriott

Session 563: Cementitious Stabilization of Soils – A2J01, A2J02-Marriott

Session 564: Advances in Soil Suction Testing—A2L06--Marriott

7:30-pm-10:00pm

A2L01 -- Committee on Exploration and Classification of Earth Materials -- Shoreham

A2F09-- Committee on Applications of Emerging Technology– Marriott

Wednesday, January 15, 2003

8:00am—9:45am

Session 602: New Developments in Load and Resistance Factor Design (LRFD) Research and Design, Part 1(Part 2 Session 641) – A2K05, A2K03—Marriott

Session 607: Sustainability Issues in Transportation Earthwork –A2K02--Marriott

Session 608: Aggregate Testing and Characterization – A2J03--Marriott

8:00am—12:00pm

A2K04 -- Committee on Subsurface Soil-Structure Interaction- Marriott

10:15am--12:00pm

Session 641: New Developments in Load and Resistance Factor Design (LRFD) Research and Design, Part 2 (Part 1, Session 602)—A2K03, A2K05--Marriott

Session 646: Embankment Support and Deep Ground Improvement –A2K02, A2K03--Marriott

Session 647: Rock Properties and Parameters for Slope Assessment – A2L02, A2L05--Marriott

2:30pm-4:00pm

Session 670: Thermoplastic Pipe Design and Performance—A2K04, A2C06--Marriott

Session 676: Design and Performance of Base Reinforcement in Flexible Pavements – A2K07, A2K05--Marriott

Session 677: Highway Rock Cut Management Tools – A2L05--Marriott

2:30pm—6:00pm

A2L03--Committee on Physicochemical Phenomena in Soils-- Marriott

4:30pm-6:00pm

Session 700: Structural Design of Storm Water Retention Systems –A2K04, A2L06, A2A03, A2K06--Marriott

6:00pm – 9:30pm

“*” A2L00-- Section on Geology and Properties of Earth Materials--Marriott

7:30pm-9:30pm

Session 727: Mechanically Stabilized Earth (MSE) Bridge Abutments—A2K02, A2K07, A2K03--Marriott

Thursday, January 16, 2003

8:00am-9:45am

Session 800: Recent Advances in Geotechnical Modeling, Part 1 (Part 2, Session 818)—A2K05 –Marriott

Session 804: Geosynthetic Reinforcement in Roads –A2K07 -- Marriott

9:00am-12:00pm

“*” A2000-- Group 2 Council, Design and Construction of Transportation Facilities -- Marriott

10:15am-12:00pm

Session 818: Recent Advances in Geotechnical Modeling, Part 2 (Part 1, Session 800)—A2K05 -- Marriott

Session 823: Geosynthetic Case Studies – A2K07--Marriott

