

49th Annual

MICHIGAN

CEW 2015

County Engineers' Workshop



Michigan's
Local Technical
Assistance Program



Center for
Technology & Training

City engineers
and consultants are
welcome too!

February 3-5, 2015

Little River Resort – Manistee, Michigan



County Road Association
OF MICHIGAN



Agenda - Day 1

Tuesday, February 3

Geosynthetic materials increase the subgrade load-bearing capacity for bridge and pavement designs, leading to versatile applications in civil engineering. Among these are geosynthetic-reinforced soil (GRS) integrated bridge systems (IBS), where geosynthetic material is used to create stronger bridge structures in less time; and geogrid, which can increase subgrade load-bearing capacity and reduce the pavement design thickness. Tuesday's agenda will examine Ionia County's recent GRS-IBS project, other GRS-IBS case studies from around the country, and various methods of using geogrid in road construction.

Bridge & Road Design with Geosynthetic Materials

- 7:45 Registration & Continental Breakfast
9:00 Welcome & Introductions
- 9:05 Geogrids & Geotextiles in Roads, Bridges, Slope Stabilization & Retaining Walls
Chris Byrum – Geotechnical Engineer, SME, Inc.
- 9:45 GRS-IBS: Overview, Design Case Studies & MDOT's Perspective
Chris Johnecheck – Geotechnical Engineer, MDOT
- 10:05 GRS-IBS: Project Planning from Owner Perspective
Paul Spitzley – County Highway Engineer, Ionia CRC
- 10:25 Break
- 10:40 GRS-IBS: Site Design & Challenges in Material Acquisition
Roger Johr – Senior Project Manager, Williams & Works
- 11:00 GRS-IBS: Geotechnical Aspects, Abutment Design & Construction
Chris Byrum – Geotechnical Engineer, SME, Inc.
- 11:30 GRS-IBS: Superstructure Construction & Post-Construction Update
Roger Johr – Senior Project Manager, Williams & Works
- 12:00 Lunch
- 1:00 Designing & Constructing Roads with Geogrid
John Cima – Transportation Engineer, Houghton CRC
- 1:50 AC & PCC Trafficked Structure Design Using Geogrids
John Price – Sr. Engineered Products Manager, Hanes Geo Components
- 2:40 Geotextile Use in Drainage Applications
Mark Cavanaugh – Regional Representative, Hanes Geo Components
- 3:30 Adjourn
- 5:00 Social Hour
- 6:00 Dinner
- 7:00 Engineering Committee Report
Bob Lindbeck – Engineer/Manager, Alger CRC



Ionia County Road Commission

The first half of Tuesday's presentations will focus on Ionia County's GRS-IBS project, Keefer Highway over Sebewa Creek.

Cost & Registration

\$225.00 includes all sessions, workshop materials, break refreshments, and all meals listed on the agenda. The cost does not include accommodations.

CEW is open to engineering consultants, engineers and surveyors from municipalities and public agencies, and CRA Associate Members. If you are interested in becoming a CRA Associate Member, [click here](#).

Register [online](#), or call the Center for Technology & Training at 906.487.2102 by February 2, 2015. Please tell us if you have any special dietary needs.

No-shows or cancellations within five business days prior to the event will not receive refunds. Substitutions will be accepted.

Accommodations

To reserve a room at the Little River Resort at a reduced rate of \$72/night (plus tax):

Individuals call 888.568.2244 and mention the 2015 County Engineers' Workshop.

Groups fill out and mail/fax [this form](#)

The deadline for reserving a room at the reduced rate is January 9.

Agenda - Day 2

Wednesday, February 4

General Sessions

- 7:25 Registration & Continental Breakfast
- 8:25 Welcome & Introductions
- 8:30 Panel: Using Asset Management Data to Support Road Millages
Moderator: Monica Ware, CRA of Michigan
Rick DeVries – Assistant City Engineer, City of Grand Rapids
Matt Hannahs – Assistant County Engineer, Eaton CRC
Larry Brown – Managing Director, Allegan CRC
Jim Cook – Manager, Grand Traverse CRC
- 9:45 County Experiences Inside Illinois
Paula Trigg – County Engineer, Lake County DOT
- 10:25 Break
- 10:40 Dealing with Composite Pavements
Tim O'Rourke – Manager, Roscommon CRC
- 11:20 Taking a Project through the Local Agency Program (LAP) Process
Bruce Kadzban – Manager, MDOT
- 12:00 Lunch
- 1:00 MDOT Research Programs
Steve Bower – Engineer of Research, MDOT
- 1:15 Full Depth Reclamation and Chemical Stabilization
Rick Wadel – President, Wadel Stabilization
Don Dunkin – E.I.T., SME, Inc.
Jayson Graves – Project Engineer, SME, Inc.
- 1:55 Update on E-projects and MDOT Admin Updates
Jason Clark – Construction Contracts Engineer, MDOT
Cliff Farr – Field Manager, MDOT
- 2:35 Break
- 2:50 Green Technology – Recycle in Place Options
Dan Troia – Design Engineer, Ingham County Road Department
- 3:30 Federal Requirements on ADA
Kurt Zachary – Local Program Manager, FHWA
- 4:10 Towards Zero Deaths
Tracie Leix – Safety Programs Unit Manager, MDOT
- 4:40 Adjourn

Banquet

- 5:00 Social Hour
- 6:00 Dinner & Awards
- 7:30 Comedian – Chuck King
Entertainment sponsored by CRA of Michigan



Over two dozen counties in Michigan have voted for millages to help fund local road projects. Wednesday's panel session will discuss strategies that local road agencies in Michigan have used to engage and educate their community on what it takes to properly fund road improvements.

Banquet Entertainer

THE KING OF CLEAN COMEDY

CHUCK KING



Chuck King is a Master Certified Stage Hypnotist and a World Champion Magician, having won both National and International Sleight of Hand Championships.

Agenda - Day 3

Thursday, February 5

Partner Updates

- 7:00 Continental Breakfast
- 8:00 FHWA
Kurt Zachary – Local Program Manager, FHWA
- 8:25 MDOT Program Updates
Larry Doyle – Local Agency Program Engineer, MDOT
Bruce Kadzban – Manager, MDOT
Teresa Vanis – Local Agency Coordinator/Relocation Specialist, MDOT
- 8:50 DEQ
Jerry Fulcher – Chief, Michigan DEQ
- 9:15 MITA
Doug Needham – Vice President of Industry Relations, MITA
- 9:40 Break
- 9:50 NACE
Wayne Schoonover – Managing Director, Mason CRC
- 10:00 CRA of Michigan
Denise Donohue – Director, CRA of Michigan
- 10:25 LTAP
John Kiefer – Research Engineer, LTAP/CTT
- 10:35 Panel Discussion and Q & A
All partners
- 11:05 Closing Announcements & Adjourn

Workshop Coordinators

Chair – Dan Armentrout, Clinton
Vice Chair – Craig Atwood, Allegan

CRA of Michigan Engineering Committee

Chair – Robert Lindbeck, Alger
Vice Chair – Thomas Hohm, Kalamazoo
Dan Armentrout, Clinton
Trent Arver, Branch
Scott Assenmacher, Monroe
Thomas Blust, Oakland
Mark Craft, Gratiot
Karl Hanson, Wexford
Bill Hazelton, St. Clair
Craig Kelso, Schoolcraft
Lance Malburg, Dickinson
Tim O'Rourke, Roscommon



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