

44th Annual Michigan

County Engineers' Workshop

February 23 – 25, 2010



2010 County Engineers' Workshop



New for 2010:
City Engineers are Welcome



Workshop Overview

The 44th Annual Michigan County Engineers' Workshop, sponsored by the County Road Association of Michigan (CRAM) and organized by Michigan's Local Technical Assistance Program (LTAP), provides county and municipal engineers in Michigan opportunities to:

- **Listen** as industry experts and peers present innovative ways to build, manage and maintain roads and bridges.
- **Learn** how the latest research and legislation is affecting the construction and maintenance of county roads and city streets.
- **Discuss** equipment, products and services that are relevant to the needs of county and city road agencies.



When and Where

The workshop will be held on February 23–25 at the Comfort Inn & Suites Hotel and Conference Center in Mount Pleasant. The early bird workshop will provide guidance on designing trenches for plastic, galvanized and concrete pipe.

Cost and Registration

The registration fee is \$210 per person to attend the workshop in person, or \$40 per connection to access up to seven sessions through a live web connection. Each agency that registers at least one person to attend the workshop will be provided free access to the live web connection for their staff back in the office. The sessions available for web broadcast are indicated by a "W" on the agenda.

The \$210 fee includes the early bird workshop, break refreshments, all meals on the agenda and all workshop materials. The fee does not include accommodations.

To register, call Michigan's LTAP at 906-487-2102 by **February 5, 2010**. Please let us know if you have any special dietary needs. Register early to ensure participation.

No-shows or cancellations within ten business days prior to the workshop will be charged the full registration fee. Substitutions will be accepted.

Accommodations

A block of rooms has been set aside at the Comfort Inn & Suites. The rooms, available on a first come, first served basis, cost \$71.00 per night. To reserve a room at this rate, call 989-772-4000 and mention the County Engineers' Workshop. Reservations deadline for the reduced rate is February 5.



Workshop Chair

Heather Smith, Barry CRC

CRAM Engineering Committee

Robert H. Peterson, Ingham (Chair)
Wayne A. Schoonover, Ionia (Vice Chair)
Thomas Blust, Oakland
Larry Brown, Allegan
John Cima, Houghton
Mark Craft, Gratiot

Karl Hanson, Wexford
Craig Kelso, Schoolcraft
Robert Lindbeck, Alger
Joseph Michalsky, Jackson
William Mainz, Lapeer
Tim O'Rourke, Roscommon





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AGENDA



Tuesday, February 23

MORNING SESSION	
8:00	Registration and Continental Breakfast
8:30	EARLY BIRD WORKSHOP: Trench Design for Plastic, Galvanized and Concrete Pipe Dr. Brian Barkdoll, P.E. – Michigan Technological University <i>This workshop will help local agencies understand installation requirements specific to plastic, galvanized and concrete pipe.</i>
11:30	Lunch

AFTERNOON SESSION	
12:30	Trench Design <i>(continued)</i>
3:30	Adjourn
EVENING SESSION	
5:00	Social Hour
6:00	Dinner
7:00	Roundtable Discussion Moderator: Karl Hanson, P.E. – Wexford CRC

Wednesday, February 24

MORNING SESSION (Moderator: Barry Anttila – Van Buren CRC)	
7:00	Registration and Continental Breakfast
7:55	Welcome and Introduction John Ryyananen – MI LTAP
8:00	Thinking Outside of the Pavement Rehabilitation Box Karl Hanson, P.E. – Wexford CRC
8:45	Cracks, Cave Ins and Other Messes – Lessons Learned From Geotechnical Failures Robert C. Rabeler, P.E. – SME, Inc.
9:30 (W)	State-of-the-Art Asphalt Pavement Maintenance Thomas Wood – Minnesota DOT
10:00	Break
10:30	A View From 2,000 Feet – Surveying, Measuring and Mapping Using Aerial Photography Denny Sauers, Jr., CP – Aerocon Photogrammetric Services, Inc. Bill Faunce, CP - Aerocon Photogrammetric Services, Inc.
11:15 (W)	Want to Change the World? – How Michigan Construction Career Days is Attracting the Next Generation of Road Workers Brindley Byrd – Michigan Construction Career Council
11:45	Lunch
AFTERNOON SESSION (Moderator: Trent Arver, P.E. – Branch CRC)	
1:15 (W)	Out of the Lab and Under the Bridge – Carbon Fiber Support Beams Cut Construction Costs Dr. Habib J. Dagher – University of Maine

AFTERNOON SESSION (continued)	
1:45 (W)	Sharing Resources to Get Stuff Done – Mutual Aid the Road Commission Way(s) Tom Byle, P.E. – Kent CRC; Jerry Byrne – Kent CRC; Bob Lewis – Lenewee CRC; Dorothy Pohl – Ionia CRC
2:45	Break
3:15	Rural Size County, Urban Size Funding – How a \$4.2 Million (MTF) County Completed an \$11 Million Project Heather Smith – Barry CRC
3:45	A Shopping Mall, a Freeway Interchange, and Three Roundabouts – Public/Private Partnership Produces Big Results Mike Craine – Livingston CRC; Steve Bower – MDOT
4:30	NACE Update Luke Houlton, P.E. – Cheboygan CRC
4:45	CRAM Update John Niemela – CRAM
5:00	Adjourn
EVENING SESSION (Moderator: Heather Smith – Barry CRC)	
5:30	Social Hour
6:30	Dinner and Recognition of Retirees Heather Smith – Barry CRC
7:30	Special Presentation: Building Michigan – A Photographic Journey Through Major Construction Projects in Michigan Dale Fisher – Dale Fisher Galleries

Thursday, February 25

UPDATES FROM PARTNERS (Moderator: Larry Brown, P.E. – Allegan CRC)	
7:00	Continental Breakfast
8:00 (W)	Update From DNR/DEQ Jerry Fulcher, P.E. – DEQ
8:45 (W)	MDOT Local Agency Program Rudy Cadena, P.E. – MDOT
9:30 (W)	MDOT Rural Road Program Bruce Kadzban, P.E. – MDOT Brad Wieferich, P.E. – MDOT
10:15	Break
10:30 (W)	Q & A and Open Discussion wth Partners
12:00	Adjourn

Do you have ideas

for presentations, activities, or anything else at next year's County Engineers' Workshop?

Call or send us an email:

906-487-2102

ltap@mtu.edu