



REGISTRATION FORM
MDOT/ACEC PARTNERING WORKSHOP
FEBRUARY 2, 2012
Lansing Center

Name(s): _____

Firm: _____

Address: _____

Phone: _____ Fax: _____

Email: _____

NOTE: Please indicate your choice of breakouts (1-15) to help determine room size for each. 1st choice _____ 2nd choice _____ 3rd choice _____

Cost: Members: \$200 per person; Non-member: \$350 per person
(includes continental breakfast, lunch, breaks)

Total enclosed: \$ _____

Payment Method (*please check one*): _____ Check _____ Visa _____ Mastercard

Name on Card: _____

Card Number: _____ Expiration: _____

Please make your check payable to ACEC/Michigan and mail with your registration form to: ACEC of Michigan, 215 N. Walnut, Lansing, MI 48933 or fax registration form with credit card information to 517/332-4333 by January 20, 2012. *Cancellations must be received by January 27, 2012 to receive a refund. Registrations are transferable.*

Parking is available for this event behind and under the Lansing Center (enter off of Cedar Street). **BE SURE TO TELL THE ATTENDANT ON DUTY THAT YOU ARE WITH THE MDOT ACEC WORKSHOP in order to have your parking validated!**

NOTE: The Radisson Hotel at 111 N. Grand Avenue, Lansing (517) 482-0188 is adjacent to the Lansing Center for convenient lodging.

MDOT - ACEC PARTNERING WORKSHOP
Thursday, February 2, 2012
Lansing Center

TENTATIVE SCHEDULE

7:00 – 8:00 Registration/Continental Breakfast

8:00 – 8:50 Opening Session

ACEC-MDOT Partnering Charter Update
Kirk Branson, PE, ACEC/M President
Kirk Steudle, PE, MDOT Director

9:00-11:50 Educational Breakout Sessions (session descriptions follow)

Three (3) timeslots are scheduled for breakouts: 9:00-9:50, 10:00-10:50, and 11:00-11:50. Breakout sessions will be presented by teams from ACEC/MDOT and some sessions will be repeated. Breakout session descriptions are enclosed with this schedule. Professional Development Hours (PDHs) will be offered to attendees.

12:00-12:45 Annual Luncheon (buffet)

12:45-2:00 I-64 St. Louis Project: Pete Rahn, PE (HNTB)
FHWA 'Every Day Counts' Initiative
Moderator: Keith Swaffar, P.E., President-elect, ACEC/M

2:15-3:15 Roundtable Sessions

Five (5) combined roundtables will be held concerning the following areas: Finance & Contracts, Operations/Design, Construction Field Services, Innovative Contracting, and Planning/Multi-Modal. The roundtables will provide an open forum for exchange of ideas.

3:15-4:00 Ice Cream Social

A conference favorite, the Ice Cream Social allows time to continue discussions from the roundtables and network with peers over an ice cream treat, popcorn or drink.

Educational Sessions:

1. Finance & Contracts

Obtain the latest information on MDOT and ACEC's ongoing initiatives regarding changes and new requirements in the consultant contracting process. This session will include information on the revised consultant proposal and submittal process; explain the necessary documents and information required for processing zero sum transfers, as well as discuss potential changes to be implemented in 2012. Presenters from the Office of Commission Audits will also provide information regarding required annual financial information and overhead rate calculations. *Presenters: Dee Parker (MDOT), MDOT Commission Audit, Bob Rayl (RS Engineering)*

2. Design Technology - Surveying

The big news in the world of MDOT surveying is the transition from CAiCE to Bentley Power GEOPAK, which is occurring simultaneously with the move to a new MicroStation Workspace. This session will preview those issues and timeframes, as well as address MDOT's experience with the mobile LiDAR scanning technology which is becoming more commonly used for Road Design Surveying. The survey-specific results of the MDOT Right-of-Way Process Improvement Workshop, being the basic definitions of alignments and early survey for projects with Right of Way, will be discussed. The final topic will include the preservation of monuments in the roadway. *Presenters: John Lobbestael, Kelvin Wixtrom, and Tom Bogren (MDOT), Jeff Bartlett (SSI)*

3. Design Technology - Engineering

This session will provide information and updates of ongoing efforts including the Design Deliverables Enhancement Project (DDEP), ROW Plans Process Improvement Project, digital pen plan review pilots, electronic design deliverables to contractors for bidding purposes (Reference Information Documents), MDOT's new custom MicroStation Workspace, and MDOT's transition to GEOPAK Roadway Designer and 3D models/deliverables. *Presenters: Dave Geyer, Rachelle VanDeventer (MDOT), Cathy Cassar (Wade Trim)*

4. Safety, Mobility & ITS

MDOT continues to expand the capabilities of the ITS data collection and information dissemination for improved traffic management, traveler information, and operational performance. An MDOT ITS update will be provided that describes current and future deployment initiatives and system capabilities. This session will also provide an overview and update of the UMTRI/USDOT Safety Pilot Model Deployment Project in Ann Arbor. *Presenters: Matt Smith, PE (MDOT), and Debby Bezzina, PMP (UMTRI)*

5. Construction Contract Administration

Contract administration for federal aid projects is changing due to technology enhancements and new state/federal requirements. These changes will impact state and local agency construction projects. A Construction Manual update is underway and several major changes are being incorporated. This session will give an overview of changes related to contract modifications, electronic signature approval, pay estimate signature requirements, prompt pay, Buy America steel and iron provisions and other related administration topics. *Presenters: Jason Clark, Munawar Azam (MDOT)*

6. Railroad Engineering Opportunities in Michigan

Get the latest information on consulting engineering opportunities in the various fields of railroad engineering in Michigan. The Accelerated Passenger Rail Program (formerly known as the High Speed Rail Program) and Freight Economic Development Program will be discussed, as well as Rail Program Investment Packages. *Presenters: Larry Karnes, Deb Brown, Nikkie Johnson, Therese Cody, and Al Johnson (MDOT Office of Rail)*

7. Complete Streets

This session is intended to provide a better understanding of the elements of Public Acts 134 and 135, how MDOT will use context sensitive solutions to implement complete streets, and what aspects apply to MDOT and local agencies when planning and developing projects. *Presenters: Brad Peterson, Darrell Harden (MDOT), Maureen Turner (Auburn Dalle), Aaron Domini (Orchard, Hiltz & McCliment)*

8. Innovative Contracting – Present and Future

MDOT recently utilized the innovative contracting procurement techniques of Construction Manager/General Contractor (CMGC) and maximum price-variable scope on two trunkline projects. Munawar Azam, MDOT Southwest Region, will discuss his experience with CMGC on the M-222 slope stability project in the city of Allegan. Lori Swanson, Oakland TSC, will focus on Design-Build interchange reconstruction project for M-59 at Crooks Road, which utilized maximum price-variable scope procurement. *Presenter: Chris Youngs (MDOT), John Friel (HNTB)*

9. MUTCD & Traffic Safety Updates

The 2011 Michigan Manual on Uniform Traffic Control Devices (MMUTCD) is finally here. How does this impact you in the development of design plans? Learn about the major changes to the MMUTCD and find out how MDOT will implement the new federal changes into its standards, guides, and design plans for traffic signing, pavement markings and traffic signals. Also learn the differences between the 2005 and 2011 editions. *Presenters: Mark Bott, Nathan Fettes, Lynnette Firman, and Thomas Fisher (MDOT) and Jeff Bagdade (Opus International)*

10. Evolution of NEPA Process

Coordination with federal agencies has become more critical to FHWA, FTA, and FRA. Also, federal reauthorization initiatives related to the NEPA process may impact project development across the country. This session will focus on these topics, as well as discuss streamlining measures for major documents, such as those implemented on the Blue Water Bridge Plaza project. *Presenters: Margaret Barondess and Geri Ayers (MDOT); Todd Davis (Wilbur Smith)*

11. Completion of A-25 Freeway in P3 Mode Montréal, Québec

Parsons, as part of a Design/Build joint venture and in conjunction with the developer, designed and constructed Autoroute 25 (A-25), the Quebec Ministry of Transportation's first public-private partnership (P3). The project consists of a 7.2 km toll highway with a 1.2 km cable-stayed bridge over the Rivière-des-Prairies, 10 grade separation bridges, and three interchanges. Prior to construction and after financial close, Parsons led the effort to secure the necessary permits in a record-breaking four months. The design was completed in 15 months, and the construction was completed in a little over three years. A-25 was opened to traffic two months ahead of schedule, setting a strong precedent for public-private partnerships in Quebec. *Presenters: Régine Beauboeuf, PE, Tom Spoth, PE, and Kevin Thibault, PE, (Parsons)*

12. Design of Wadhams Road over Black River

URS Corporation (URS) and subconsultant Somat Engineering, Inc. (Somat) were retained by the St. Clair County Road Commission (SCCRC) to design the bridge replacement of Wadhams Road over the Black River in Kimball Township, St Clair County, Michigan. Records dating back to the early 1900s documented movement due to unstable soils of two preceding bridges and the existing bridge. Somat performed an intensive geotechnical engineering investigation which confirmed that the instability of the southern slope was the driving force behind the bridge movements and the associated structural distress. It was determined it would be too difficult and uneconomical to stabilize the slope in order to prevent the movement. As such, a two-span bridge was selected that utilized a unique pier located in the heart of the unstable area. Supported by a system of custom steel box section piles installed in drilled shafts and permanent ground anchors, the pier was designed to resist the tremendous forces that could develop throughout the life of the bridge. *Presenters: Doug Parmerlee, PE (URS), Greg Garrett, PE (URS), Jane Abadir, PE, LEED A.P and Catherine Weirauch, EIT (Somat)*

13. Concrete QC/QA Sampling and Testing

Recent changes to sections 604 and 605 of the MDOT Standard Specifications for Construction regarding concrete QC and QA will impact sampling and testing for all concrete on state and local projects. The newly developed Special Provision for Quality Control and Acceptance of Portland Cement Concrete will be presented, which will include an overview of the specification changes, as well as the roles and responsibilities for the each respective party associated with sampling and testing for quality control and acceptance of concrete. *Presenter: John Staton (MDOT)*

14. Carbon Fiber Reinforced Polymer (CFRP) implementation in bridges

In partnership with Lawrence Technological University (LTU), MDOT is beginning to implement CFRP materials in bridges. MDOT's first CFRP implementation project on Pembroke over M-39 included CFRP deck grid reinforcement, and carbon fiber composite cable (CFCC) transverse post tensioning for 27" side by side box beams. Future projects include M-50 in Jackson, and the first longitudinal prestressing of spread box beams on M-102 in Detroit. The design methodology, which is different from that of steel strands at ultimate strand stress, will be discussed. MDOT continues to identify potential rehabilitation candidates for inclusion into the 5-year plan, and LTU is performing a pooled fund study, funded by MDOT and neighboring states, on a decked I-beam structure configuration to potentially replace side-by-side superstructures. *Presenters: Matt Chynoweth, David Juntunen (MDOT)*

15. Local Agency Programs (PE & CE)

This session looks to provide an overview of how MDOT reviews federally funded local agency projects. After a brief overview, common mistakes in delivering a LAP project will be discussed and a question and answer session will follow. Topics to be covered include: how to handle right-of-way acquisition, grading easements, ADA sidewalks, funding, programming form development, coordination changes based on recent MDOT staffing reorganization, presentation tips, and enhancement projects. *Presenters: Mark Harbison (MDOT Local Agency Programs) and Mark Loch (Orchard, Hiltz & McCliment)*