

**MDOT - ACEC PARTNERING WORKSHOP**  
**Thursday, February 4, 2009**  
**Lansing Center**

**TENTATIVE SCHEDULE**

**7:00 – 8:00      Registration/Continental Breakfast**

**8:00 – 8:50      Opening Session**

Ron Brenke, P.E., ACEC/Michigan Executive Director  
Kirk Steudle, P.E., 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.

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

**12:45-1:15      Michigan Transportation Funding**

**1:15-2:00      I-495 Capital Beltway Project: A Successful Public Private Partnership  
Virginia DOT presentation**

**2:15-3:15      Roundtable Sessions**

Seven (7) roundtables will be held concerning the following areas: Finance and Contract Administration, Operations, Design, Construction and Technology, Planning, Multi-Modal, and Innovative Contracting. 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. Prequalification and Finance Updates**

Get first hand knowledge of changes and updates that have taken place in the past year for the following items: Requests for Proposals, Prequalification, Priced Proposals, CPRT Evaluations, C-Track (MDOT's new contract tracking software) and Electronic Invoices. *Presenters: Carol Rademacher, Lori Stornant, Mike Blackledge (MDOT) and Steve Nichols (FTC&H)*

### **2. Audit, Reporting and Contract Updates**

Jerry Jones (MDOT) chaired a National effort to write a new AASHTO Audit & Accounting Guide. This session will provide a summary of changes and updates to the AASHTO Audit Guide. *Presenter: Jerry Jones (Commission Audit)*

### **3. Small Business and Workforce Development (SBWD)**

A preliminary plan has been developed to initiate pilot projects for the purposes of Small Business and Workforce Development. The initial plan includes modifying some MDOT prequalification requirements as well as project selection criteria to accommodate entry level services at the key staff or firm level. *Presenters: Roger Safford (MDOT) and Roger Johr (Williams & Works)*

### **4. Moving Michigan, Driving through a Work Zone TMP**

MDOT will review a project that has already been built and will actually run the audience through a Transportation Management Plan review so they can see what MDOT looks for when completing a review. The audience will actually be part of the team and participate in the analysis. *Presenters: Angie Kremer, Brian Zimmerman, and Julie Johnston (MDOT)*

### **5. Walking in Quicksand and Bicycling in Water: Pedestrian and Bicycle Design Challenges**

MDOT often hears from agencies that if they provide pedestrian or bicycle facilities, they will be exposed to more liability. This presentation is meant to show good design practices and will provide an assessment of liability related to pedestrian/bicycle facilities. *Presenters: Deirdre Thompson (MDOT) and Ron Emery, Department of the Attorney General.*

### **6. Driving in Circles, Roundabouts in Michigan**

MDOT has developed a new MDOT Roundabout Guide. The guide is the primary reference that MDOT uses for roundabout designs, and they expect all consultant designs to follow this. Since it is a guide, not a standard, there is room for interpretation. This is a good opportunity for consultants and MDOT staff to ask questions, etc. The individuals who prepared the guide (staff from MDOT and DLZ) have been involved in most of the trunk line roundabouts in the state and many of the roundabouts on the local system as well. Attend to discuss possible revisions to the guide being considered along with recent developments related to pedestrian accommodations at roundabouts. *Presenters: Terry Palmer, Imad Gedaoun (MDOT), and Wes Butch (DLZ)*

### **7. Design Technology and the Design Deliverable Enhancement Project (DDEP)**

This session will provide an update on the implementation of the initial portions of the DDEP and future implementations such as GEOPAK Roadway Designer, GEOPAK Drainage and semi automated quantities to improve design efficiencies. *Presenters: Dan Belcher, Dave Geyer (MDOT) and Bob Rayl (RS Engineering)*

## **8. Multiple Legal Alignments**

The current policy of the MDOT Real Estate Division is to describe all new parcel takes from the new construction alignment. This practice frequently results in a parcel boundary location being controlled by multiple legal alignments which tends to add confusion and cost to future projects that require legal alignments to be re-established. This session will present alternative approaches, when practical, to minimize the creation of multiple legal alignments. *Presenters: Brian Dolman-Jersey (MDOT) and Steve Gravlin (Wade Trim)*

## **9. LRFD Implementation Update - Geotechnical Policy and Practice**

MDOT will highlight recent updates to geotechnical policy and address common design issues associated with the use of AASHTO LRFD procedures for bridge foundations. Information will be on spread footing design, pile design, field verification of nominal driving resistance R<sub>ndr</sub>, and plan production errors. Attendees will have time to ask general questions related to foundation design. *Presenters: Dick Endres, Ryan Snook (MDOT) and Tanweer Shah (NTH)*

## **10. MDOT Guidelines for Stakeholder Engagement**

These guidelines were developed as a tool to assist program and project managers in obtaining stakeholder participation during the design of transportation facilities. This guidance specifically describes how to engage stakeholders early, what to expect, and how to get the best possible input on projects. Included will be a discussion how effective stakeholder engagement helped MDOT address community issues and concerns on the Blue Water Bridge Plaza & Corridor Project. *Presenters: Lynn Lynwood (MDOT) and Todd Davis (Wilbur Smith)*

## **11. Density Inspection and Testing**

Attend this session to hear improvements made to MDOT's Density Inspection and Testing Program. This will include examples of deficiencies that can lead to the loss of federal funding along with changes that have been made to the program to ensure the highest level of quality is achieved. Other topics of discussion will include revisions to the Density Control Handbook, test reporting, procedural deficiencies, prequalification, gauge calibration and IATs. *Presenter: Dave Gauthier (MDOT)*

## **12. Construction Issues and Documentation**

This session will focus on several hot topics including:

- The "Construction & Technology Documentation for Construction & Materials Guide" used for construction administration. *Presenter: Mohammad Azam (MDOT)*
- An overview of contractor ARRA reporting requirements. *Presenter: Sue Powers (MDOT)*
- Contract Modifications: What are the rules for determining approval limits? How are "like" items considered in determining limits for contract modification? What is the process for obtaining Ad Board, Commission, and FHWA approvals? *Presenter: Dale Spencley and Mohammad Azam (MDOT)*

## **13. Local Asset Management Plans: the ABCs of a Good AM Plan**

This session will provide an overview of the importance of taking a comprehensive approach to implementing asset management techniques at local and state levels. MDOT's new AM training video will also be highlighted. *Presenter: Bill Tansil (MDOT)*

#### **14. Green Initiatives at Work at MDOT**

MDOT is going green! Learn about Green Initiatives MDOT is employing throughout the Department from planning to construction and maintenance. *Presenter: Margaret Barondess (MDOT)*

#### **15. 'Multi-Modal' Opportunities**

Consulting engineering opportunities are becoming available in Multi-Modal Transportation – particularly in the fields of railroad and airport engineering. Get the latest information on the proposed Detroit-Chicago High Speed Rail, Woodward Avenue Light Rail, and two regional commuter rail projects, as well as various Michigan Airport Development projects. Presenters from the MDOT-Office of High Speed Rail and Innovative Project Advancement, MDOT-Airports Division, and RW Armstrong will discuss opportunities for consulting engineering services, the consultant selection process, and market availability for consulting services. *Presenters: Al Johnson, Mark Noel (MDOT) and Mike Borta (RW Armstrong, Inc.)*

#### **16. Design-Build and Design-Build-Finance**

The design-build method of delivering projects is a technique that involves a partnership between the project owner (such as MDOT) and the construction contractor/designer. MDOT has found success in the last few years with this delivery method. This process allows for the streamlining of design and construction decisions that provides flexibility in delivering key elements of the project on a fast-track basis. Representatives from MDOT and consultants will share their experience with D/B projects completed this past year. *Presenters: Chris Youngs (MDOT), Mike Guter (URS), and Eric Johnston (ROWE Professional Services Corp.)*

#### **17. Public Private-Partnerships (P3)**

Public Private Partnerships (P3) is a dynamic project delivery approach that is increasingly being utilized across the country in bringing in additional private equity funding to the infrastructure area, accelerating project delivery and constraining and/or reducing costs of designing, constructing and maintaining transportation infrastructure. This session will focus on the status of P3 legislation in Michigan, the use of the design-build method of delivering P3 projects and the advantages of this delivery method that involves a new kind of partnership between the project owner (such as MDOT), a concessionaire and a construction contractor/designer. *Presenters: Tim Hoeffner (MDOT) and John Friel (HNTB)*