

# SUMMER CONCRETE WORKSHOP

Summer Concrete Worksp and Golf Event

## NORTH DAKOTA READY MIX & CONCRETE PRODUCTS ASSOCIATION

### Engineers, Contractors, Inspectors & Ready Mix Suppliers

You are invited to participate with us in the 2010 Summer Concrete Workshop scheduled for August 19<sup>th</sup>, 2010 at the Comfort Inn of Bismarck, Room A. The Workshop will start promptly at 8:30 a.m. and be finished by 11a.m. No charge is being made for the workshop, so bring your whole division to par-

ticipate. Thanks to the Presenters who have volunteered to provide the interesting group of topics. PDH's will be issued. For those interested in golfing with our NDRMCPA group at Hawktree Golf Course in the afternoon, see info below.



### SUMMER WORKSHOP AGENDA -8:30 a.m.

#### Three Important Points for Colored Concrete (15 min.)

David Sethre, P.E., NDRMCPA

*Working with colored concrete is becoming more common each year. Streetscapes are popping up in many locations, providing the public a unique opportunity to dress up their urban environment. This presentation provides a few points to absolutely remember when working with colored concrete.*

#### Surface Defects & Prevention (15 min.)

David Sethre, P.E.

*We all love the aesthetics of concrete compared to asphalt, but surface defects can provide a distraction and misunderstanding to what can happen to concrete. This presentation covers some issues that can be addressed during construction to eliminate many of these.*

#### Update on Concrete Overlays (30 min.)

David Sethre, P.E., ND ACPA

*With overlays finding widespread applications around the country, it is timely to review some of the developments here in North Dakota and other locations. Mike Baltzer, P.E. assisting.*

#### Material Surface Wear: Abrasion and Erosion (30 min.) Darrick Nystrom, Brock-White

*Occasionally, we find a need to increase the wear-resistance to the surface of our concrete. We know that choice of aggregates can make a difference, but now we can work on the paste to increase durability. This presentation will fill in some gaps in our general knowledge through admixture technology improvements.*

#### Concrete Mixes: Between the Lab and the Field (30 min.)

Hank Hauge, Strata Corporation

*The Engineer can specify that concrete lab mixes be prepared for his project, but adapting the lab mixes to the field is not a perfect science. This presentation provides guidelines to understand the important things as we go to the field, thus allaying our fears when mixes in the field do not exactly match those found in the lab.*

#### Preliminary Tests of the ASTM 1157 Cements (15 min.)

David Sethre, P.E.

*With the demand for green building products, even cement manufacturing is changing to meet this need. This presentation will review test results of ASTM 1157 cements conducted in the labs at the NDDOT Materials & Research Dept. Clayton Schumaker, P.E. assisting.*

### GOLF FOR WORKSHOP PARTICIPANTS:

Workshop engineering/contractor participants outside of the NDRMCPA direct membership who would like to golf can join us for a direct cost charge of \$50. Please register online and indicate your request for the \$50 rate instead of the regular rate. See golf and registration info at [www.ndconcrete.com](http://www.ndconcrete.com) under "Events".