

## COURSE ANNOUNCEMENT

### SDDOT BITUMINOUS TECHNOLOGY – ASPHALT CONCRETE HOT MIX TESTING

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Class 1: Wednesday, January 10, 2018 (8:00 A.M.) – Friday, January 12, 2018 (12:00 Noon)  
Class 2: Wednesday, January 31, 2018 (8:00 A.M.) – Friday, February 2, 2018 (12:00 Noon)\*  
Class 3: TBD\*\*

*\*Registrations will not be accepted for this class until previous class is fully registered*

*\*\*In 2016-2017 only two classes were held*

SDDOT Materials Laboratory, 104 S. Garfield, Pierre, SD

***Asphalt Concrete Hot Mix Testing*** is a twenty (20) hour course for those who will be pursuing accreditation through the SDDOT QC/QA Asphalt Concrete Certification process for Marshall Method or Gyratory Controlled Mixtures (Superpave). The course concludes with a written test. Successful completion of the course and written test combined with Laboratory Performance (proficiency) test verification allows the participant to be certified for “*Materials Testing*” duties on hot mix for asphalt concrete pavement projects constructed under the SDDOT QC/QA specification. This course is a prerequisite for *SDDOT Bituminous Technology Mix Design and Production Control*. In addition, the course is open and encouraged for all construction professionals actively involved in asphalt concrete design, material production and paving outside the scope of QC/QA specification, as well.

#### **Course Syllabus:**

- Hot Mix Asphalt Properties and SDDOT Asphalt Concrete Acceptance Criteria
- Asphalt Concrete Sampling Procedures
- SDDOT Specimen Preparation (Marshall & Gyratory)
- SDDOT Mixture Specification and Testing Procedures
- Volumetric Parameter Determination for Asphalt Concrete
- SDDOT Test Procedure Demonstrations, Equipment & Calibration Overview
- SDDOT Mixture Specific Gravity Testing
- Calculating & Reporting Asphalt Concrete Mixture Properties
- Proctored written knowledge & skills test

#### **Requirements:**

- *Basic Math Skills, Calculator, Pencil(s)*
- *It is recommended, but not mandatory, for all SDDOT QC/QA Asphalt Concrete Certification applicants to have completed **SDDOT Bituminous Technology – Introduction to Asphalt**.*
- *For those with entry-level experience in bituminous technology and/or bituminous projects or who are new to the bituminous industry, course completion of the **Introduction to Asphalt** course is strongly recommended.*
- ***SDDOT Bituminous Technology – Asphalt Concrete Aggregate Testing is required.***
- Experience and knowledge of construction projects and processes.
- Materials testing experience should be obtained prior to completion of Laboratory Performance Testing.

Cost: \$250.00/Student including all reference material, testing and certificate.

#### **References**

SDDOT Materials Testing Manual, SDDOT Materials Testing & Inspection Certification Program Manual, SDDOT Special Provisions for QC/QA (Marshall & Gyratory)

**INSTRUCTORS:** Ken Swedeen, DAPA, and SDDOT Materials Laboratory Staff

# REGISTRATION FORM

## SDDOT BITUMINOUS TECHNOLOGY ASPHALT CONCRETE HOT MIX TESTING

Class 1: Wednesday, January 10, 2018 – Friday, January 12, 2018

Class 2: Wednesday, January 31, 2018 – Friday, February 2, 2018\*

\*Registrations for Class 2 will be opened only upon full registration for Class 1 (“Class Full”)  
CIRCLE CLASS 1 Unless Otherwise Notified

SDDOT Materials Laboratory, 104 S. Garfield  
Pierre, South Dakota

NAME: \_\_\_\_\_

ORGANIZATION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

CITY: \_\_\_\_\_

STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: \_\_\_\_\_

FAX: \_\_\_\_\_

E-MAIL: \_\_\_\_\_

**Attendee Registration Fee: \$250.00**

To register, send registration form and fee to:

Dakota Asphalt Pavement Association Inc.

3030 Airport Road, Suite B

Pierre, SD 57501

Call DAPA at (605) 224-8500 or Fax to (605) 224-0134 or

Email: Ken Swedeen at [kswedeen@dakota-asphalt.org](mailto:kswedeen@dakota-asphalt.org)