

COURSE ANNOUNCEMENT

SDDOT BITUMINOUS TECHNOLOGY – ASPHALT CONCRETE MIX DESIGN AND PRODUCTION CONTROL

Monday, March 11, 2019 (1:00 P.M.) – Thursday, March 14, 2019 (5:00 P.M.)
SDDOT Materials Laboratory, 104 S. Garfield, Pierre, SD

Asphalt Concrete Mix Design and Production Control is a Twenty-Eight (28) 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 “*Mix Design Submittal/Control*” duties on hot mix for asphalt concrete pavement projects constructed under the SDDOT QC/QA specification. 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:

- Mixture Design
- Asphalt Concrete Sampling Procedures
- SDDOT Specimen Preparation (Marshall & Gyratory)
- SDDOT Mixture Specification and Testing Procedures (Marshall & Gyratory)
- 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.***
- ***SDDOT Bituminous Technology – Asphalt Concrete Hot Mix Testing is required.***
- ***SDDOT Bituminous Technology – Asphalt Concrete Roadway Inspection is required.***
- Experience and knowledge of construction projects and processes.
- Materials testing experience should be obtained prior to completion of Laboratory Performance Testing. A strong background in mixture testing and analysis is recommended.

Cost: \$550.00/Student including all reference material, testing and certificate.

References

SDDOT Materials Testing Manual, SDDOT Materials Testing & Inspection Certification Program Manual, SDDOT Standard Specifications 2015

Instructors: Ken Swedeen, DAPA; Mark Blow, AI; & SDDOT Materials Laboratory Staff

REGISTRATION FORM

SDDOT BITUMINOUS TECHNOLOGY ASPHALT CONCRETE MIX DESIGN AND PRODUCTION CONTROL

Monday, March 11, 2019 – Thursday, March 14, 2019

SDDOT Materials Laboratory
104 S. Garfield Pierre,
South Dakota

NAME: _____

ORGANIZATION: _____

ADDRESS: _____

CITY: _____

STATE: _____ ZIP: _____

PHONE: _____

FAX: _____

E-MAIL: _____

Attendee Registration Fee: \$550.00

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

Email: Ken Swedeen at kswedeen@dakota-asphalt.org