

**Subject: Asphalt 101 Training Year 2010
Asphalt Plant Technician Training Course (Level 1)
6 Days Hands on Training from Stockpile Gradations
to a Complete Marshall Mix Design**

Thomas Bennert, Supervisor of the Rutgers Asphalt Pavement Laboratory, will be presenting the above course in January of 2010 for HMA suppliers, testing laboratories, contractors, pavement consultants and other interested individuals. This course will prepare you to satisfy the educational requirements for New Jersey Society Asphalt Technologist (NJSAT) Level 1 Certification Program.

**WHERE: Rutgers University Asphalt Pavement Laboratory
New Brunswick, NJ**

**WHEN: Thursdays: January 21 January 28 February 4
Fridays: January 22 January 29 February 5**

TIME: 8:00 am to 3:00 pm

FEE: \$1,500.00 For the training course. Fee includes: continental breakfast, lunch, course note book, NJSAT Level 1 certification fee and examination.

Note: A portion of the fee will be forwarded to the NJSAT to pay for certification and first years NJSAT annual dues.

Please register as soon as possible by completing the information below. For inquiries email Thomas Bennert at bennert@eden.rutgers.edu or call at 732-445-5376

Name _____

Phone _____ Fax _____

Street Address _____

City, State & Zip _____

Affiliation _____

Email Address _____

Checks should be made payable to: Thomas Bennert

**Check and registration information should be mailed to: Thomas Bennert
1245 Steeplechase Ct
Toms River, NJ 08755**

**ASPHALT PLANT TECHNICIAN TRAINING COURSE LEVEL 1
COURSE SCHEDULE**

January 21, 2010

**Review of Asphalt Cements (PG Binders) and Text
Review of Aggregates and Text
Sampling of Stockpiles: # 57, # 8, # 10, Natural Sand and Mineral Filler
Gradation Analysis on: # 57, # 8, # 10, Natural Sand and Mineral Filler
Review Random Sampling Methods**

January 22, 2010

**Review Batch Plant and Drum Plant Operations
Aggregate Blending (Stockpiles and Hot Bins)
Prepare Mix Design for I-5 Mixture Using Aggregates sampled and tested above
Plot 45 Power Aggregate Gradation Chart
Calculate Batch Weights for Marshall Mix Design Specimens**

January 28, 2010

**Review Hot Mix Sampling
Volumetric Analysis
Prepare Three Marshall Specimens @ 5.0, 5.5, 6.0, & 6.5% Binder
Prepare One Superpave Gyrotory Specimen @ 5.5% Binder
Rice testing for Maximum Specific Gravity
Review Ignition Oven testing for Binder Content and Composition**

January 29, 2009

**Testing of Marshall Specimens Made Yesterday
Complete Marshall Design Work Sheets
Complete Mix Design Package (NJDOT Method)**

February 4, 2009

**Review NJDOT HMA (Hot Mix Asphalt) Specifications
Review Superpave Procedures and Requirements
Course/Examination Review**

February 5, 2009

Examination Review and NJSAT Certification Examination (Level 1)