

Course Agenda

Mix Design Technology Certification

Tuesday – Classroom Session

- 8:00 Welcome and Introductions
Mark Blow
- 8:15 Asphalt Materials – Section 1
Mark Blow
- 9:40 LTPPBIND Software Demonstration – Section 2
Dave Johnson
- 10:15 **BREAK**
- 10:30 Mix Design and Volumetric Concepts – Section 3
Mark Blow
- 11:00 Introduction to Aggregate – Section 4
Dave Johnson
- 12:00 **LUNCH**

Tuesday – Laboratory Session

- 1:00 Aggregate Properties and Criteria – Section 5
- 2:30 **BREAK**
- 2:45 Aggregate Testing
Laboratory Staff

Group	Station 1	Station 2	Station 3
A	2:45	3:30	4:15
B	4:15	2:45	3:30
C	3:30	4:15	2:45

Station 1 – Washed Sieve Analysis (*Shay Emmons*)

Station 2 – Coarse Aggregate Specific Gravity (*Jonathan Oepping*)

Station 3 – Fine Aggregate Specific Gravity (*Gary Irvine*)

- 4:30 **ADJOURN**

Wednesday – Classroom Session

- 8:00 Aggregate Analysis for Mix Design – Section 6
Mark Blow
- 9:45 **BREAK**

Course Agenda

Mix Design Technology Certification (cont'd)

10:00 HMA Volumetric Analysis – Section 7
Dave Johnson

12:00 **LUNCH**

Wednesday – Laboratory Session

1:00 Trial Blend Analysis – Section 8
Mark Blow

2:00 Mixture Testing & Compaction
Laboratory Staff

Group	Station 1	Station 2	Station 3
A	2:00	3:00	4:00
B	4:00	2:00	3:00
C	3:00	4:00	2:00

Station 1 – Mixing, Aging, and Gyrotory Compaction (*Jonathan Oepping*)

Station 2 – Theoretical Maximum Specific & Bulk Specific Gravity (*Shay Emmons*)

Station 3 – Tour of Marshall & Hveem and Mechanical Property Testing (*Phil Blankenship*)

5:00 **ADJOURN**

Thursday – Classroom Session

8:00 Superpave Mix Design and Analysis – Section 9
Mark Blow

9:15 Moisture Sensitivity Testing: AASHTO T-283 – Section 10
Mike Anderson

10:45 **BREAK**

11:00 Designing SMA and OGFC Mixtures
Mike Anderson

12:00 **LUNCH**

1:00 Recycled Asphalt Pavement (RAP) Mix Design – Section 11
Phil Blankenship

2:45 **BREAK**

3:00 Mix Design Calculations - Handouts
Phil Blankenship

5:00 **ADJOURN**

Friday – Classroom Session

8:00 Course Evaluation
Mike Beavin

8:30 Certification Exam
Mike Beavin

12:00 **ADJOURN – End of Examination**

