



Hot-Mix Asphalt (HMA) 101

Course Agenda

Day 1

- 8:45 – 9:00 Welcome & Introduction
- 9:00 – 10:10 Asphalt Cement
- Intro. to PG Binders
 - Pa DOT's PG-grades
- 10:10 – 10:30 Refreshment Break
- 10:30 – 11:40 Aggregates
- Aggregate Basics
 - Superpave Specifications
 - Pa DOT's Skid Levels
- 11:40 – 12:00 Discussion of Morning
- 12:00 – 1:00 Lunch (provided)
- 1:00 – 2:30 HMA Mix Designs
- Basics of Superpave Design
 - Relationship to Placement & Compaction
- 2:30 – 2:50 Refreshment Break
- 2:50 – 4:00 Practical Exercise
- 4:00 Adjourn

Day 2

Practical exercises at the end of each day are designed to provide the opportunity for the participants to apply the lessons presented that day.

- 8:15 – 8:45 HMA Plants
- Plant Basics
- 8:45 – 9:15 Transporting HMA
- Trucking Basics
- 9:15 – 10:15 Placement of HMA
- Surface Preparation
 - Paver Operation
- 10:15 – 10:35 Refreshment Break
- 10:35 – 12:00 Placement (cont.)
- Joint Construction
 - Segregation
 - Pa DOT's Ride Spec.
- 12:00 – 1:00 Lunch (provided)
- 1:00 – 3:00 Compaction of HMA
- Roller Basics
 - Pa DOT's Density Spec.
- 3:00 – 3:20 Refreshment Break
- 3:20 – 4:20 Practical Exercise
- 4:30 Adjourn

