



IDM-27 SUPERPAVE MIX DESIGN for LOCAL AGENCIES
CLASS OUTLINE

DAY ONE

Introductions

Module 1:

1. Background
2. Mix Type Selection
3. Hveem Mix Design Method

Module 2:

1. Volumetric Analysis of Asphalt Mixtures
2. Asphalt Binders
3. Properties of Aggregate
4. Superpave Asphalt Binder Specifications
5. Superpave Aggregate Properties for HMA
6. Questions

DAY TWO

Module 3:

1. Superpave Gyrotory Compactor
2. Materials Selection
3. Design Aggregate Structure
4. Design Binder Content
5. Superpave Mixture Requirements
6. Classroom Example
7. Moisture Sensitivity
8. References
9. Questions

DAY THREE

Module 4:

1. Characterizing Recycled Asphalt Pavement (RAP)
2. RAP Aggregate Properties
3. RAP & Superpave Mix Design

Module 5:

1. Superpave Performance Testing Requirements
2. Caltrans Requirements for Superpave Job Mix Formula Verification
3. In-place Density
4. References
5. Questions