EAR Workshop

1. Background (Musselman)
    a. Purpose of the workshop
    b. Introductions
2. Basics (Musselman)
    a. Pavements
    b. Mix Types
    c. Asphalt Mix Basics
        i. Volumetrics
        ii. 0.45 Gradation chart
3. Specification overview (Upshaw)
    a. HMA testing requirements
    b. Failure criteria – QC/IV – Master Production Range
    c. Defective Material – 334-5.9.5
4. FDOT Pavement Performance (Schaub)
    a. Pavement Condition Survey
    b. Performance Trends
5. Cause and effects (Moseley)
    a. Binder content (high/low)
    b. Gradation (coarse/fine, impact on VMA, volumetrics, effective binder content, etc.)
    c. Dust (high/low,)
6. General relationships between test data and performance (Sholar)
    a. Air voids (high & low)
    b. Density (low)
    c. Binder content (FC-5)
    d. Gradation (FC-5)
7. Analysis Tools (Sholar)
    a. Production data
    b. Cores (gradation, binder content, G_{mb}, G_{mm}, permeability, in-place V_a)
    c. Asphalt Pavement Analyzer
    d. Recompacted cores
8. Overview of EAR Process (Blazo)
    a. Disposition of Defective Material Form
    b. Flow Chart
9. Engineering Analysis Reports (Musselman)
    a. EAR Guidelines
    b. Model EAR
    c. Summary