Outline: HMA Inspector Training Webinar Series; Session 4 – Paving and Compaction
Date: April 21, 2011; 1:00 – 3:00pm EST
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Paving -
- **Surface preparation**
  - Types of surfaces; Prime coats and tack coats
  - Need to repair before overlay
  - “Mill and fill”
- **Paving Equipment**
  - Truck selection
  - The Paving Machine / basic components
  - Screed extensions
  - Lift thickness controls
- **Paving procedures**
  - The importance of avoiding “stop and start” operations
  - How the mix characteristics effect the screed forces and lift thickness
  - Synchronizing paving speed with plant production / project planning
  - Joints; longitudinal and transverse
- **Mat Inspection**
  - What to look for

Compaction -
- **Importance of Compaction**
  - How does good compaction relate to good performance?
- **Reasons for Compaction**
  - What are important in-place mix properties?
  - What are air voids and what is density?
  - What are optimum density/air void contents?
- **Compaction Equipment**
  - Vibratory screed on paver
  - Rollers
- **Compaction Process**
  - Compaction Temperatures
  - Rolling Sequence
  - Roller Patterns
- **QC/QA of the Compaction Process**
  - Observing/monitoring the Compaction Process
  - Acceptance Testing and Specifications