Step #1: Run the Numbers!
• Obtain representative samples of roadway material
• Can use up to 50% Reclaimed Asphalt Pavement (RAP)
• Pulverize to anticipated gradation
  – 100% passing 50 mm (2”)
  – 55% passing 6 mm (#4)
• Estimate cement content
  – Usually 4 to 10%
  – By weight
• Run moisture/density curve
  – Standard Proctor
  – (ASTM D558)
The Numbers!

- **Unconfined Compressive Strength Test**
  - Used by most State DOT’s
  - Simple
  - Quick
  - 7-day requirements range from 200 psi to 800 psi
  - 300 psi to 400 psi is generally recommended
Step #2: Spread Cement
Inside a Reclaimer

Deep recycled layer

Injection of water and/or fluid stabilizing agents

Operating direction

Milling drum

Distressed pavement

Granular material
Step #3: Mix
Step #4: Add Water
Step #5: Remix
Step #6: Compact
Step #7: Grading
Step #8: Testing
Step #9: Cure
Any Questions?