Warm Mix Demo
Rock Hill, South Carolina

Presented by Drew Boggs
NAPA Annual Meeting
January 29, 2008
Astec Double Barrel Green

- Demo project in Chattanooga, TN
- Ordered Equipment
  - Green System (nozzle bank & controls)
  - 3 Bin RAP System
- Designed Mixes (30% & 50% RAP)
  - 2 Intermediate
  - 2 Surface
- Called on Engineers
- Scheduled Demo
PROCESSED RAP SCREENED TO ORIGINAL INGREDIENTS
Cordially invite you to attend our

Warm Mix Asphalt
Demonstration Project

When: Thursday, October 11, 2007
Time: 10:00 a.m.
Where: Boggs Paving Rock Hill Asphalt Plant
       751 Porter Road, Rock Hill, SC

Featuring new technology from Astec including:
RAP Crushing & Fractionating (3 sizes)
3-Bin Rap Feed System

DOUBLE BARREL GREEN
SYSTEM
and more...

Watch our plant produce Warm Mix Asphalt at 275°F while running 50% Recycle!
NO SMOKE, NO SMELL!
Follow the trucks to the job and watch the crew place this mix and obtain density!

Lunch will be served at 12:00 Noon at the job site:
Country Oaks Drive, off Rawlinson Road, Rock Hill, SC
(see attached map)

Please RSVP by October 5th to Cindy Lemmond at (704) 289-8482 x291
Or by email to clemmond@boggs paving.com
Boggs Paving, Inc.
Rock Hill, South Carolina
Warm Mix Demo

October 10, 2007

- 15,000 tons
- 50% RAP @ 270°F / PG 64-22
MODEL 301

Continuous Mode [T]
Batt: 12.6V 150.2°F
Batt: 5.0 93.7%
H2O: 148.6Lb
D: 148.6Lb

Asphalt Density Gaug

Do not touch PQI d...
# Test Results

## Rut Test by Clemson Univ. (ARTS)

*Rut Depth from APA at 64 C*

<table>
<thead>
<tr>
<th>Mix type</th>
<th>HMA</th>
<th>WMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAP content</td>
<td>0%</td>
<td>30%</td>
</tr>
<tr>
<td>7.72</td>
<td>3.92</td>
<td>3.08</td>
</tr>
<tr>
<td>7.61</td>
<td>3.26</td>
<td>2.68</td>
</tr>
<tr>
<td>8.14</td>
<td>4.92</td>
<td>2.12</td>
</tr>
<tr>
<td>9.72</td>
<td>5.49</td>
<td>4.72</td>
</tr>
<tr>
<td>(mm)</td>
<td>8.30</td>
<td>4.40</td>
</tr>
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