Background

• Two projects:
  – US-90, Madison
  – SR-222, Gainesville

• Testing dates:
  – US-90, 2002 and 2018
  – SR-222, 2004 and 2018
**US-90, Madison**

- Evaluated dry vs. wet and different tack rates.

<table>
<thead>
<tr>
<th></th>
<th>0.05 gal/sqy dry</th>
<th>0.02 gal/sqy dry</th>
<th>0.02 gal/sqy wet</th>
<th>0.08 gal/sqy dry</th>
<th>0.08 gal/sqy wet</th>
<th>0.00 gal/sqy dry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance</td>
<td>25</td>
<td>75</td>
<td>25</td>
<td>75</td>
<td>25</td>
<td>25</td>
</tr>
</tbody>
</table>

Distances Given in Feet

- Tested shear cores at the following days, post construction:
  - 7, 15, 42, 105 days; 16 years
US-90, Madison

![Graph showing bond strength over time after construction with different tack treatments and moisture conditions.](image_url)
SR-222, Gainesville

- Trackless tack vs. regular tack (RS-1).
- Trackless; 0.039 gal/sy
- RS-1; 0.032 gal/sy
- Tested only at two time periods:
  - 16 days after construction
  - 13.5 years after construction
SR-222, Gainesville

Time After Construction
- Trackless: 16 days
- RS-1: 13.5 years
Thank You!