Tack & Bond strength

2014 Fall Conference

October 7, 2014
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Overview


• VDOT tests emulsion and non-track tack samples:
  • from the manufacturer to be originally placed on the approved list
  • and then once-a-month thereafter to ensure material quality.

• After that…………………………………………………………………………………………
Goal

Improve the quality and service life of asphalt tack materials and the bonding between asphalt pavement layers.
What will we do?

Review:

1. VDOT specifications,

2. VDOT Manual of Instructions, and

3. Industry best practices to define items of needed improvement for each of 3 key areas:
Materials manufacturing, testing, and reporting requirements in the VAAP:

Are we specifying the right materials?
Materials shipping and handling

Are we handling the right materials properly?

What are the industry best practices & how do we ensure they are implemented?
Material placement in the field & bond strength

Are we handling and placing the material in a way that ensures sufficient bond strength?

Does Virginia need to adopt an end-result bond strength specification?
Questions?