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**NCHRP Project 20-05  
Synthesis Topic 48-02  
Tack Coat Specifications, Materials,  
and Construction Practices**

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Principal Investigators**

Southeastern Asphalt User Producer Group  
2017 Annual Meeting  
Jacksonville, FL



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### What Exactly Is a Synthesis?

- A report that assembles and disseminates information on a topic of current highway practice.
- Prepared by a consultant who has expertise in the topic area, with assistance provided by a technical panel.

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### SEAUPG Members Involved

**Technical Panelists:**

- **Umit Washburn** - Alabama DOT
- **Louay Mohammad** - Louisiana State University
- **Jerry Peterson** - Texas DOT
- **Steve Branstetter** - Maryland State Highway Admin.
- **Paul Smith** - Arkansas DOT
- **Steve Hefel** - Wisconsin DOT
- **Jason Davis** - FHWA
- **Morgan Kender** - FHWA
- **Nelson Gibson** - Transportation Research Board

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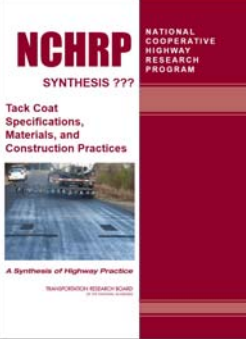
### Project Time Line

- Originally proposed by TRB Standing Committee AFK40 in **January 2016**
  - Submitted to TRB **February 15, 2016**
  - Selected by NCHRP Oversight Panel **May 2016**
- Awarded to selected contractors **September 2016**
- Survey
  - **January – April 2017**
    - 50 States
    - 7 Provinces
  - Follow-up
- 1<sup>st</sup> Draft Report
  - **May 19, 2017**
- Panel Comments and Meeting
  - **June 1, 2017**
- 2<sup>nd</sup> Draft Report
  - **July/August 2017**
- Final Report
  - **October 2017**
- Anticipated Publication
  - **Spring 2018**

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### Sections of the Synthesis


- Introduction
- Literature Review
- Survey Results
- Case Examples
- Conclusions
- Appendices



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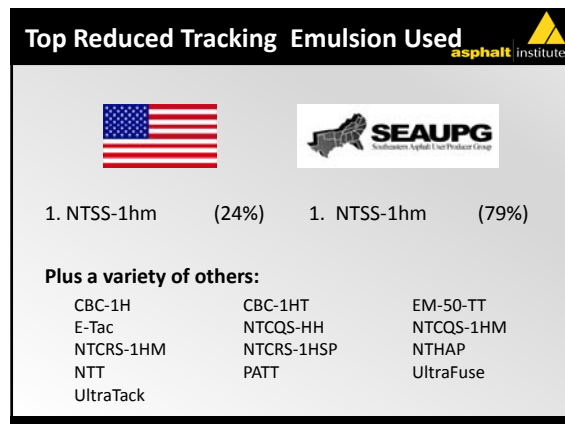
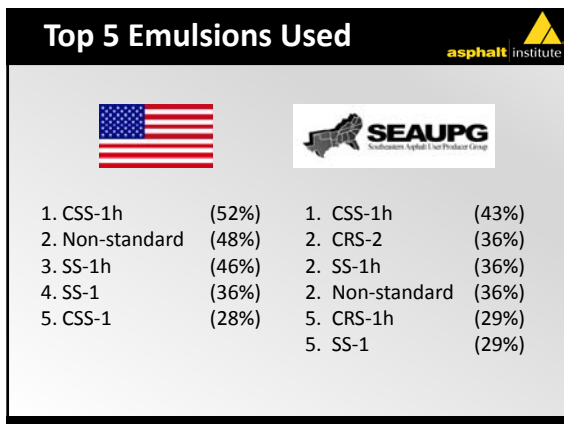
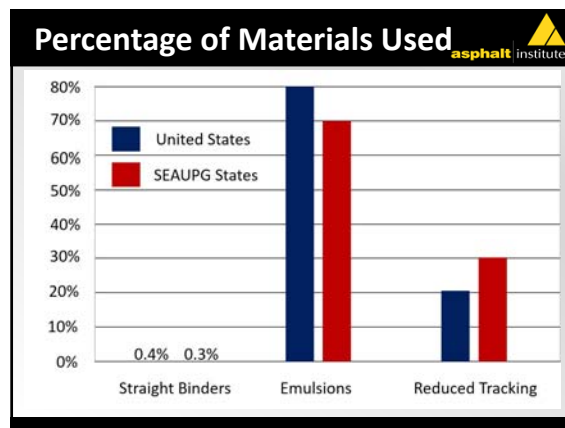
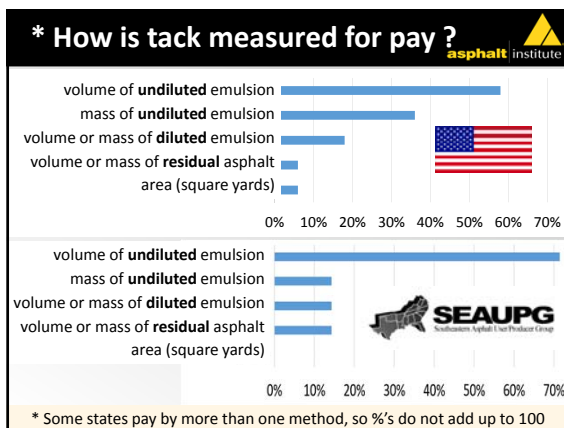
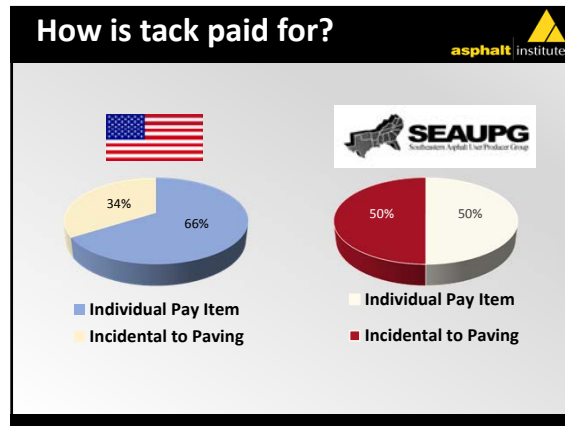
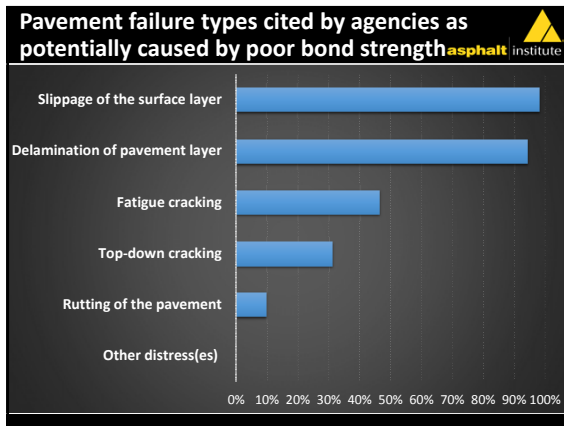
### Survey - excellent response rate

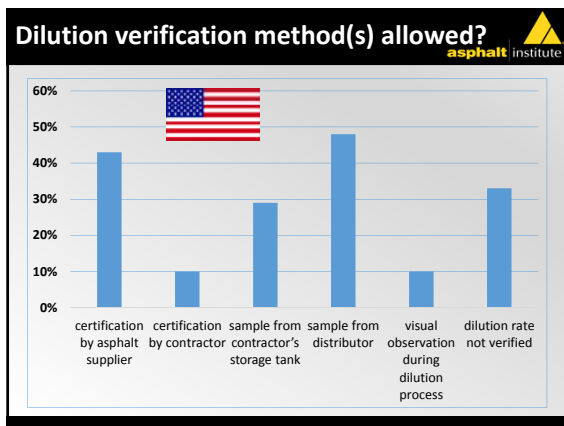
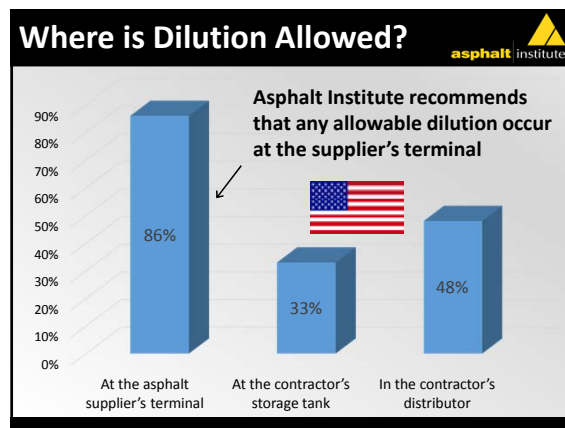
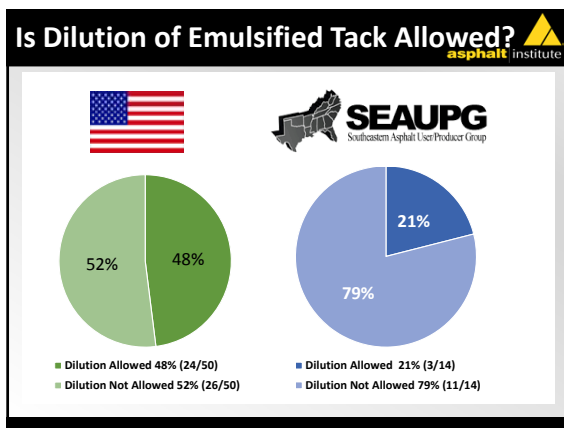
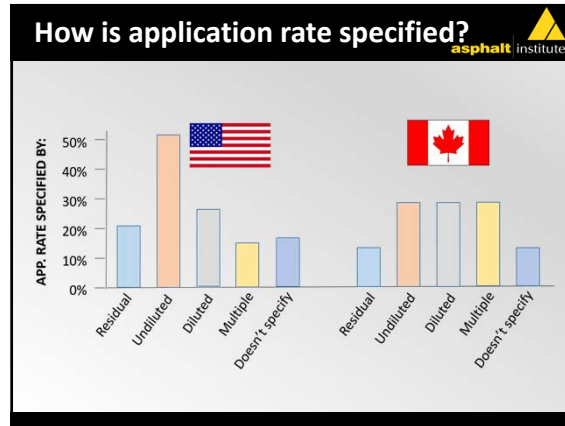
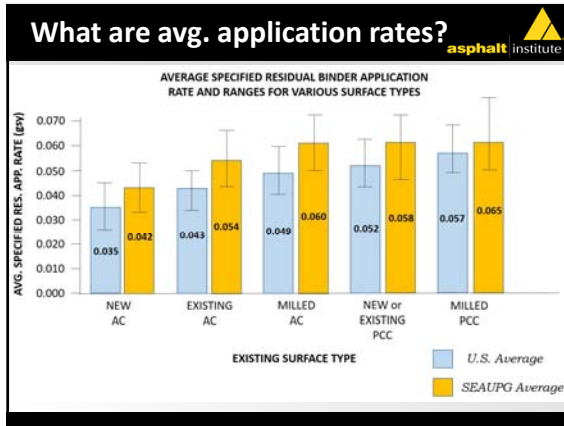
- **41 Questions**
  - Tack Coat Payment Specs – 2 questions
  - Tack Coat Materials – 4 questions
  - Tack Coat Application – 28 questions
  - Tack Coat Evaluation – 7 questions



**50 States**

**7 Provinces**





### Change in agencies' self estimate of tack coat coverage

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Agencies' Self-Estimate of Tack Coat Coverage	2012 Survey Results -NCHRP Report 712	2017 Survey Results - NCHRP Synthesis
100%	37%	11% (6/57)
90%-100%	27%	39% (22/57)
70% - 90%	18%	39% (22/57)
50%-70%	9%	12% (7/57)
< 50%	9%	0% (0/57)

