

**NEW &
RECONSTITUTED
MIX ETG-
CONSTRUCTION
TASKFORCE**

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WHY (YOUR BELIEFS): NOT HOW OR WHAT

The diagram consists of three concentric circles. The innermost circle is red, the middle one is white, and the outermost one is grey. A green horizontal bar is positioned across the middle of the red circle, containing the text 'Why? Longer Pavement Life from Better Density'. A yellow arrow points from the bottom of the red circle towards the center, and a green arrow points from the right side of the red circle towards the center. Below the red circle, there are two text boxes: a white one containing 'How? More efficient Construction' and a blue one containing 'What? Better Pavement Density'. The background features orange and blue geometric shapes.

Why? Longer Pavement Life from Better Density

How? More efficient Construction

What? Better Pavement Density

Synthesis Title:

Longer Pavement Life

from Increased

In-Place Density of Asphalt Pavements



SCOPE

Develop a standard on how agencies should measure and set criteria for pavement density.

Most agencies have their own methodologies and acceptance criteria.


Consequently, widespread variability exists throughout the country on how pavement density is measured and specified.

This is in stark contrast to the standardization of the Superpave system with respect to key mixture and binder properties.



OBJECTIVES

A synthesis summarizing :

- Current state of knowledge of in-place density of asphalt pavements
 - Current practices of agencies regarding how in-place density is measured and specified.
 - Previous or on-going studies on in-place pavement and longitudinal joint density,
 - Emerging technologies used to measure pavement consistency during construction.
 - Acceptance and payment parameters.
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CURRENT STATUS

Submitted for consideration by NCHRP 20-7 project panel.

Title: Longer Pavement Life from Increased In-Place Density of Asphalt Pavements

Committee: AASHTO SOM 2d, FHWA ETG, Florida, Louisiana et al.

Funding Requested: \$75,000

File: [In Place Density Synthesis Needs Statement.doc](#)

Date Submitted: 03/26/2015

