

## SUDAS Revision Submittal Form

**Status Date:** As of 11/7/2022      **Topic:** Asphalt pavement thickness deficiency  
**Manual:** Specifications      **Manual Location:** Section 7020, 3.04, C

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**Requested Revision:**

**3.04 DEFECTS OR DEFICIENCIES**

**C. Thickness Deficiencies:**

1. The Engineer will measure the cores according to [Iowa DOT Materials I.M. 337](#). All areas of uniform and similar thickness and width for the project will be divided into lots.
2. The thickness of the completed course will be measured to the nearest 1/8 inch, exclusive of seal coat. All areas of uniform and similar thickness and width for the project will be divided into lots. The frequency specified for taking density samples from the surface lift will be used when measuring for completed thickness. However, samples that may not be tested for density because they are less than 70% of the intended thickness will be used for thickness, and in these particular instances, the additional samples of sufficient thickness that are used for density tests will not be measured for thickness. Thickness samples will be taken full depth of the completed course and after measurement; remove the density samples for the top layer from the core. If any of the measurements for a lot is less than the designated thickness, the quality index for thickness of that lot will be determined by the following formula:

$$\text{Thickness (Q.I.)} = \frac{\text{Avg. Thickness} - (\text{Design Thickness} - 0.50)}{\text{Max Thickness} - \text{Minimum Thickness}}$$

3. Payment will be further adjusted by the appropriate percentage according to the quality index for thickness determined for that lot and the following table:

**Table 7020.03: Pay Factor for HMA Pavement Thickness**

Thickness Index 7 Samples	Percent Payment (Previously Adjusted for Density)
greater than 0.34	100
0.14 to 0.34	95
0.00 to 0.13	85
less than 0.00	75 Maximum

No incentive payment for pavement thickness will be made.

4. Do not apply the thickness quality index adjustment to a layer with a designated thickness of “variable” or “nominal”, or to a layer designated as a scratch course or leveling course. Do not apply the quality index adjustment to pavement layers designated in the contract documents as grade correction or cross slope correction.

**Reason for Revision:** Add thickness check language for non-uniform pavement sections.

**Comments:** None.

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**District:**       1     2     3     4     5     6    **2/23/2022 Webinar**

**Comments:** None.

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**District:**             1     2     3     4     5     6

**Comments:**            None.

**Action:**                 Deferred                             Not Approved             Approved

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**Final District Action Summary:**    All 6 districts approved.

**Board of Directors Action:**            Approved.