

Pavement Smoothness for Illinois DOT - Doug Dirks

1. Briefly summarize your current pavement smoothness requirements. **See below.**
2. Do the requirements apply to both PCC and HMA? **See below.**
3. Are you considering changes in the future? (Next 2 to 3 years) **No.**
4. If yes, what indices are you considering using? **N/A**

Illinois has both standard specifications and a special provision for pavement smoothness requirements. The special provision is used for interstates and district selected multi-lane non-interstate routes. The smoothness is reported as a Profile Index using the California Profilograph test method with a 0.00-inch blanking band. The following is a link to the special provision. HMA overlays, Full-Depth HMA pavements, and PCC Pavements are all included in this special provision.

<http://www.dot.il.gov/desenv/pdf/80075.pdf>

The standard specifications are separate for each pavement type. HMA overlays use a 16-ft straightedge for determining bump locations. Full-Depth HMA and PCC pavements use the California Profilograph test method with a 0.20-inch blanking band. The smoothness ranges are different for each pavement type. The articles for each standard specification are as follows.

Pavement Type	Article
HMA Overlay	406.11
Full-Depth HMA Pavement	407.09
PCC Pavement	420.10

The following is a link to Division 400 of the Illinois Standard Specifications for Road and Bridge Construction.

<http://www.dot.il.gov/desenv/spec2007/div400.pdf>

If you have any questions or need more information on pavement smoothness please contact LaDonna Rowden, Pavement Technology Engineer. (217) 782-8582 / E-mail: LaDonna.Rowden@illinois.gov