Monitoring and Assessing High Friction Surface Treatments Performance in Iowa

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Pavement frictional behavior impacts pavement performance in terms of safety.

\[ \bar{N} = 3.044e^{-3.87 \times SN \times 10^{-2}} \]

\[ R^2 = 0.88 \]

The Hamilton Spectator, 2017
Curves are some of the most critical segments the demand high friction.
High friction surface treatments can improve the safety performance.
Construction process requires coordination.
Evaluation Program included testing and visual assessment.
Some notable changes after a year.
High friction surface treatments deteriorate at different rates.
What about surface texture?

![Graph showing MPD (mm) over years 2017 to 2019 for different designs (D1, D10, D11, D2, D6, D7, D8, D9).]
What drives friction anyways?
Closing Remarks.
Closing Remarks.

![Bar chart showing total crashes per lane for different skid numbers. The skid numbers range from 30 to 65, with corresponding total crashes per lane ranging from 5 to 0.]