

Illinois Modified Test Procedure
Effective Date: January 1, 2002
Revised Date: [April 5, 2021](#)

Standard Practice
for
Designing Stone Matrix Asphalt (SMA)

Reference AASHTO R46-08 (2017)

AASHTO Section	Illinois Modification
Whole Document	This AASHTO document shall only be used in conjunction with a Special Provision that includes Illinois' SMA mix design and ingredient materials details.
2.1	Revise reference to the individual standards as follows: M 325 (Illinois Modified) R 30 (Illinois Modified) Illinois Test Procedure 19 Illinois Test Procedure 27 Illinois Test Procedure 85 T 166 (Illinois Modified) T 209 (Illinois Modified) T 283 (Illinois Modified) T 305 (Illinois Modified) T 312 (Illinois Modified)
4.4	Replace with: <i>Evaluating Moisture Susceptibility</i> – The moisture susceptibility of the mixture, designed and compacted in accordance with T 312 to a V_a content of 7.0 ± 1.0 percent, is evaluated in accordance with T 283.
5.3.1	Replace with the following: The mixing temperature shall be according to IL Modified AASHTO T 312.
5.3.2	Replace with the following: The compaction temperature shall be according to IL Modified AASHTO T 312.
Note 3	Delete
5.5	Revise to read: <i>Compaction of Specimens</i> – The compaction temperature is determined according to IL Modified AASHTO T 312. Laboratory samples of SMA are short-term conditioned according to IL Modified AASHTO R 30 and then compacted to either 50 or 80 gyrations according to the Standard Specifications, based on traffic level.
Note 5	Delete

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AASHTO Section	Illinois Modification
11.1	Revise to read: Moisture susceptibility of the selected mixture is determined in accordance with T 283 using samples compacted in accordance with T 312 to a V_a content of 7.0 ± 1.0 percent. The retained tensile strength level of the SMA shall be as specified in T 325 at 7.0 ± 1.0 percent V_a .