



INDIANA DEPARTMENT OF TRANSPORTATION

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Eric Holcomb, Governor
Michael Smith, Commissioner

October 11, 2024

TESTING MEMORANDUM 24-01

To: District Testing Staff
Qualified Mix Design Labs
Technicians

Thru: Jim Reilman, PE
State Materials Engineer *JR*

From: Nathan Awwad, PE *NEA*
Asphalt Engineer

Subject: Waiving TSR Requirements for Multiple Stress Creep Recovery (MSCR) Binder Changes

Contracts let on or after September 1, 2024, will incorporate PG binder specification updates which include switching to MSCR (AASHTO M 332) and a lower -28 PG grade.

Concern has been expressed that all DMFs will be required to run a tensile strength ratio, TSR, (AASHTO T 283) before being submitted for acceptance because -28 is a lower PG grade when compared to the existing -22 PG grade.

To clarify and in response to the concern expressed, a 401 DMF being submitted for acceptance that references an accepted 2024 DMF meeting TSR requirements with PG 64-22 will not be required run TSR on a PG 58S-28. A 410 DMF being submitted for acceptance that references an accepted 2024 DMF meeting TSR requirements with PG 76-22 will not be required run TSR on a PG 58E-28.

A DMF that does not reference an accepted 2024 DMF shall run a TSR in accordance with 401.05 or 410.05.

If you have any additional questions, please contact Nathan at: nawwad@indot.in.gov.

MPB/nea