

LIQUID ASPHALT BINDER CHANGES IN INDIANA

To improve asphalt pavement durability and quality for increased pavement life in Indiana, the base liquid asphalt binder grade will change from PG 64-22 to PG 58-28. This change was made to better represent the high and low temperature ranges across the state. In addition to the base liquid asphalt binder grade change, testing requirements and terminology will also change. The new testing procedures can be used to evaluate the use of polymers for modification of the liquid asphalt binder.



WHO will be impacted?

Anyone who supplies, manufactures, engineers, designs, tests, constructs, bids, inspects, and maintains asphalt roadways and materials.



WHAT will be impacted?

The base grade liquid asphalt binder for all of Indiana will change from PG 64-22 to PG 58-28. The testing for asphalt binder materials will change from AASHTO M320 to AASHTO M332, with AASHTO R92 requirements, ultimately affecting how liquid asphalt binders are referred to.



Current PG Binder Designation	New PG Binder Designation	Traffic Designation
PG 64-22	PG 58S-28	S - Standard
PG 70-22	PG 58H-28	H - Heavy
PG 76-22	PG 58E-28	E - Extremely Heavy



WHEN will these changes happen?

The INDOT recurring special provision will be included in contracts let on or after September 1, 2024; however, an INDOT Construction Memo will allow contractors to start using the new materials in contracts prior to September 1, 2024.

WHERE is this occurring?

All asphalt mixtures and materials across Indiana including applications for pavement, patching, widening, tack coats, sealing or filling cracks and joints, and anywhere asphalt binders are used. This will impact all DOT, city, county, governmental, residential, and commercial projects.



AVAILABLE RESOURCES:
APAI'S LOCAL GUIDANCE SPECIFICATION
INDOT DESIGN MEMORANDUM NO. 23-21
INDOT RECURRING SPECIAL PROVISION 400-R-780 AND 410-R-759

Questions?

Elizabeth Pastuszka, APAI Director of Technical Services: epastuszka@asphaltindiana.org
 Nathan Awwad, INDOT Asphalt Engineer: nawwad@indot.in.gov