

Project Title: **C-08-20 : Grade Determination of Crumb Rubber-Modified Performance Graded Asphalt Binder**

PIN: R021.38.881

Responsible Unit: Technical Services, Materials Bureau

Project Manager: Hennessy, Pete

Project Goal:

To verify if the specification criteria specified in the current Superpave PG binder grading for Rolling Thin Film Oven or Pressure Aging Vessel tests can be used to grade the recovered asphalt.

Actions Proposed:

1. Grading of the original PG binder before it is used in making the mixture
2. Determine RTFO and PAV results
3. Composition of a mixture and compacting HMA specimens
4. Extraction of asphalt from these specimens and re-grading it
5. Determine the grade of extracted sample based on both RTFO and PAV DSR specification criteria

Anticipated Work Products and Accomplishments:

A report indicating whether the RTFO or PAV DSR values can be used to grade the recovered asphalt.

Proposed Budget: \$107,750