

REFERENCES

1. "Standard Specifications for Transportation Materials and Methods of Sampling and Testing—Part I Specifications," American Association of State Highway and Transportation Officials, 444 North Capital Street, N.W., Suite 225, Washington, D.C., 1993.
2. Road and Bridge Specifications, Virginia Department of Transportation, Richmond, VA, January 1991.
3. "AASHTO Provisional Standards," American Association of State Highway and Transportation Officials, 444 North Capital Street, N.W., Suite 225, Washington, D.C., March 1995 and June 1998.
4. "Standard Specifications for Transportation Materials and Methods of Sampling and Testing—Part II Methods of Sampling and Testing," American Association of State Highway and Transportation Officials, 444 North Capital Street, N.W., Suite 225, Washington, D.C., 1993.
5. R. B. McGennis, R. M. Anderson, T. W. Kennedy, and M. Solaimanian, Background of Superpave Asphalt Mixture Design and Analysis, FHWA-SA-95-003, The Asphalt Institute, Lexington, KY, November 1994, 160 pp.
6. American Society for Testing and Materials, *1994 Annual Book of ASTM Standards*, Section 4—Volume 04.03, 1916 Race Street, Philadelphia, PA, April 1994.
7. Standard Test Method for Uncompacted Void Content of Fine Aggregate (As Influenced by Particle Shape, Surface Texture, and Grading), National Aggregates Association, Silver Spring, MD, June 1993.
8. K. D. Stuart and R. P. Izzo, "Hot-Mix Asphalt Pavement Construction Report for the 1993-2000 FHWA Accelerated Loading Facility Project," FHWA-RD-99-083, Federal Highway Administration, McLean, VA, April 1999, 56 pp.
9. Asphalt Institute, *Mix Design Methods for Asphalt Concrete and Other Hot-Mix Types*, Manual Series NO.2 (MS-2), Lexington, KY, 1988.
10. American Society for Testing and Materials, "Proposed Standard Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus (6-Inch-Diameter Specimen)," Draft No. 8, 1916 Race Street, Philadelphia, PA, December 1992.
11. K. D. Stuart and R. P. Izzo, "Correlation of Superpave™ $G^*/\sin\delta$ With Rutting Susceptibility From Laboratory Mixture Tests," In *Transportation Research Record 1492*, Transportation Research Board, National Research Council, Washington, D.C., 1995, pp. 176-183.

12. K. D. Stuart, "Evaluation of Procedures Used to Predict Moisture Damage in Asphalt Mixtures," Final Report, FHWA/RD-86/091, Federal Highway Administration, Washington, D.C., March 1986, 117 pp.
13. L. H. Van Vlack, *Materials Science for Engineers*, Addison-Wesley Publishing Company, Inc, Reading, MA, 1970.
14. K. D. Stuart and W. S. Mogawer, "Validation of Asphalt Binder and Mixture Tests that Predict Rutting Susceptibility Using the Federal Highway Administration's Accelerated Loading Facility," Presented at the 1997 Annual Meeting of the Association of Asphalt Paving Technologists, Salt Lake City, UT, March 17, 1997.
15. T. W. Kennedy, G. A. Huber, E. T. Harrigan, R. J. Cominsky, C. S. Hughes, H. Von Quintus, and J. S. Moulthrop, "Superior Performing Asphalt Pavements (Superpave): The Product of the SHRP Asphalt Research Program," SHRP-A-410, Strategic Highway Research Program, National Research Council, Washington D.C., 1994.
16. "Distress Identification Manual for the Long-Term Pavement Performance Project," SHRP-P-338, Strategic Highway Research Program, National Research Council, Washington, D.C., 1993.
17. R. Bonaquist and W. S. Mogawer, "Analysis of Pavement Rutting Data from the FHWA Pavement Testing Facility Superpave Validation Study," Presented at the 76th Annual Meeting of the Transportation Research Board, Washington, D.C., 1997.
18. R. Bonaquist, J. A. Sherwood, and K. D. Stuart, "Accelerated Pavement Testing at the Federal Highway Administration Pavement Testing Facility," Prepared and Accepted for Presentation at the 1998 Annual Meeting of the Association of Asphalt Paving Technologists, Boston, MA, March 16-18, 1998.
19. Strategic Highway Research Program (SHRP), *SHRP Designation: M-007, Short- and Long-Term Aging of Bituminous Mixes*, Report SHRP-A-379, National Research Council, Washington, D.C., 1994.
20. H. L. Von Quintus, J. A. Scherocman, C. S. Hughes, and T. W. Kennedy, *Asphalt-Aggregate Mixture Analysis System*, NCHRP Report 338, Transportation Research Board, National Research Council, Washington, D.C., 1991.
21. F. L. Roberts, P. S. Kandhal, E. R. Brown, D. Y. Lee, and T. W. Kennedy, *Hot Mix Asphalt Materials, Mixture Design, and Construction*, National Asphalt Pavement Association (NAPA) Education Foundation, Lanham, MD, 1991.

22. GDT-115, Method of Test for Determining Rutting Susceptibility Using the Loaded Wheel Tester, Georgia Department of Transportation, Atlanta, GA, August 1994.
23. T. Aschenbrener, R. Terrel, and R. Zamora, *Comparison of Hamburg Wheel-Tracking Device and the Environmental Conditioning System to Pavements of Known Stripping Performance*, CDOT-DTD-R-94-1, Colorado Department of Transportation, Denver, CO, January 1994.
24. M. Hines, The Hamburg Wheel-Tracking Device, In *Proceedings of the Twenty-Eighth Paving and Transportation Conference*, Civil Engineering Department, The University of New Mexico, Albuquerque, NM, 1991.
25. D. N. Little, and Y. Hisham, *Improved ACP Mixture Design: Development and Verification*, FHWA/TX-92/1170-1F, Texas Department of Transportation, Austin, TX, March 1992.
26. W. J. Kenis, *Predictive Design Procedures, VESYS Users Manual*, FHWA/RD-77/154, Federal Highway Administration, Washington, D.C., January 1978.
27. P. Romero and W. S. Mogawer, "Evaluation of the Superpave Shear Tester Using 19-mm Mixtures From the Federal Highway Administration's Accelerated Loading Facility," Presented at the 1998 Annual Meeting of the Association of Asphalt Paving Technologists, Boston, MA, March 16-18, 1998.
28. P. Romero and W. S. Mogawer, "Evaluation of the Superpave Shear Tester's Ability to Discern Two Mixtures with Different Size Aggregates Using the Federal Highway Administration's Accelerated Loading Facility," Presented at the 1998 Annual Meeting of the Transportation Research Board, Washington, D.C., 1998.
29. J. B. Sousa, and S. L. Weissman, "Modeling Permanent Deformation in Asphalt-Aggregate Mixes," *Journal of the Association of Asphalt Paving Technologists*, Volume 63, 1994.
30. X. Zhang, and G. Huber, "Effect of Asphalt Binder on Pavement Performance: An Investigation Using the Superpave Mix Design System," *Journal of the Association of Asphalt Paving Technologists*, Volume 65, 1996.
31. K. D. Stuart and W. S. Mogawer, "Effect of Compaction Method on Rutting Susceptibility Measured by Three Laboratory Wheel-Tracking Devices" Presented at the 76th Annual Meeting of the Transportation Research Board, Washington, D.C., 1997.
32. P. Romero, "Effect of Sample Compaction Method on Superpave Shear tester Results," FHWA In-house Report, 1998, 4 pp.