

REFERENCES

1. Aouad, M. F., Stokoe, K. H., and Briggs, R. C. (1993), "Stiffness of Asphalt Concrete Surface Layer from Stress Wave Measurements," Transportation Research Board, No. 1384, Washington, DC, pp. 29-35.
2. Daniel, J. S., and Kim, Y. R. (1998), "Relationships Among Rate-Dependent Stiffness of Asphalt Concrete Using Laboratory and Field Test Methods," Journal of Transportation Research Record, No. 1630, Washington, DC, pp 3-9.
3. Ferry, J.D, Viscoelastic Properties of Polymers, 2nd edition, John Willy, New York, 1970.
4. Huang Y.H. (1993), Pavement Analysis and Design, Prentice Hall, Inc., Englewood Cliffs, NJ, 805 pp.
5. Lee, N-KJ; Hugo, F; Stokoe, KH, II (1997), "Detection and Monitoring of Cracks in Asphalt Pavement under Texas Mobile Load Simulator Testing," Journal of Transportation Research Record, No. 1570, Washington, DC, pp 10-22.
6. Kim Y.R. and Lee Y.C. (1995), "Interrelationships among Stiffnesses of Asphalt Aggregate Mixtures," Journal of Association of Asphalt Paving Technologists, Vol. 64., pp.575-609.
7. Li, Y. and Nazarian, S. (1994), "Evaluation of Aging of Hot-Mix Asphalt Using Wave Propagation Techniques,@ Engineering Properties of Asphalt Mixtures And the Relationship to Their Performance, ASTM STP 1265, Philadelphia, Pa., pp.166-179.
8. Nazarian, S. and Desai, M.R. (1993), "Automated Surface Wave Method: Field Testing," Journal of Geotechnical Engineering, Volume: 119 Issue: 7, ASCE, New York, NY, pp 1094-11.
9. Nazarian, S., Baker, M., and Crain, K. (1997), "Assessing Quality of Concrete with Wave Propagation Techniques," Materials Journal, American Concrete Institute, Farmington Hills, MI, Vol. 94, No. 4, pp. 296-306.
10. Nazarian S., Yuan D., Tandon V., and Arellano M. (2003) "Quality Management of Flexible Pavement Layers with Seismic Methods," Research Report 1735-3F, Center for Highway Materials Research, UTEP, El Paso, TX.
11. NCHRP (1996), "Nondestructive Testing to Determine Material Properties of Pavement Layers," Interim Report, NCHRP 10-44, Washington, DC.
12. Roberts, F. L., Kandhal, P. S., Brown, E. R., Lee, D., and Kennedy, T.W. (1996), Hot Mix Materials: Mixture Design and Construction, NAPA Education Foundation Lanham, Maryland.
13. Sansalone, M., and Carino, N. J. (1986), "Impact-Echo: A Method for Flaw Detection in Concrete Using Transient Stress Waves," Report NBSIR 86-3452. National Bureau of Standards, Gaithersburg, MD.
14. Tandon, T., Nazarian, S. and Bai X. (2004), "Assessment of Relationship between Seismic and Dynamic Modulus of Hot Mix Asphalt Concrete," International Journal of Road Materials and Pavement Design.
15. Von Quintus H.L. and Kilingsworth B. M. (1998), "Comparison of Laboratory and In Situ Determined Elastic Layer Moduli," presented in 77th Annual TRB Meeting, Washington, DC.
16. Witczak, M.W., Bonaquist, R., Von Quintus, H. and Kaloush, K. (1999), "Specimen Geometry and Aggregate Size Effects in Uniaxial Compression and Constant Height Shear Tests," *Journal of Association of Asphalt Paving Technologist*, Vol. 69, pp. 733-793.

