

## REFERENCES

1. Gilbert Y. Baladi, Michael Schorsch & Tunwin Svasdisant ,”Determining the causes of top-down cracks in bituminous pavements”, Michigan Department of Transportation Construction and Technology Division, Michigan Asphalt Paving Association, 2002 June
2. E. Freitas, P. Pereira & L. Picado-Santos, “Assessment of Top-Down Cracking Causes in Asphalt Pavements”, Department of Civil Engineering, University of Minho, Portugal, Department of Civil Engineering, University of Coimbra, Portugal.
3. John J. Emery, “Evaluation and mitigation of asphalt pavement top-down cracking”, the Assessment and Rehabilitation of the Condition of Materials Session of the 2006 Annual Conference of the Transportation Association
4. Gerritsen, A.H., van Gorp, C.A.P.M., van der Heide, J.P.J., Molenaar, A.A.A., and A.C. Pronk, “Prediction and Prevention of Surface Cracking in Asphaltic Pavements,” Proceedings of the 6<sup>th</sup> International Conference on Asphalt Pavements, Ann Arbor, 1987
5. Myers, L.A., Roque, R., and B.E. Ruth, “Mechanisms of Surface-Initiated Longitudinal Wheel Path Cracks in High-Type Bituminous Pavements,” Proceedings of the Association of Asphalt Paving Technologists, Volume 67, 1998
6. Myers, L.A., Roque, R., Ruth, B.E., and C. Drakos, “Measurement of Contact Stresses for Different Truck Tire Types to Evaluate Their Influence on Near-Surface Cracking and Rutting,” In Transportation Research Record 1655, TRB, National Research Council, Washington, D.C., 1999
7. Myers, L.A., Roque, R., and B. Birgisson, “Propagation Mechanisms for Surface-Initiated Longitudinal Wheel Path Cracks,” In Transportation Research Record 1778, TRB, National Research Council, Washington, D.C., 2001
8. Myers, L. and R. Roque, “Top-Down Crack Propagation in Bituminous Pavements and Implications for Pavement management,” Proceedings of the Association of Asphalt Paving Technologists, Volume 71, 2002
9. Malan, G.W., Straus, P.J., and F. Hugo, “A Field Study of Premature Surface Cracking in Asphalt (With Discussion),” Proceedings of the Association of Asphalt Paving Technologists, Volume 58, 1988

10. Matsuno, S., and T. Nishizawa, "Mechanism of Longitudinal Surface Cracking in Asphalt Pavement," Proceedings of the 7<sup>th</sup> International Conference on Asphalt Pavements, Nottingham, 1992
11. Molenaar, A.A.A., "Fatigue and Reflective Cracking due to Traffic (With Discussion)," Proceedings of the Association of Asphalt Paving Technologists, Volume 53, 1984
12. Malan, G.W., Straus, P.J., and F. Hugo, "A Field Study of Premature Surface Cracking in Asphalt (With Discussion)," Proceedings of the Association of Asphalt Paving Technologists, Volume 58, 1988
13. Svasdisant T., Schorsch, M., Baladi, G.Y., and S. Pinyosunun, "Mechanistic Analysis of Top-down Cracks in Asphalt Pavement," Accepted for presentation and publication by the Transportation Research Board, Washington DC, 2001
14. Svasdisant T., and G. Baladi, "Identify Causes for Under Performing Rubblized Concrete Pavement Projects Phase II" Research Report RC-1416, Michigan Department of Transportation, August 2002
15. Svasdisant T., "Analysis of Top-Down Cracking in Rubblized and Flexible Pavements," A Ph.D. Thesis, Department of Civil and Environmental Engineering, Michigan State University, 2003.
16. Uhlmeier, E.S., Willoughby, K., Pierce, L.M., and J. P. Mahoney, "Top-Down Cracking in Washington State Asphalt Concrete Wearing Courses," In Transportation Research Record 1730, TRB, National Research Council, Washington, D.C., 2000
17. Wambura, J.H.G., Maina, J., and H.R. Smith., 'Kenya Bituminous Materials Study,' In Transportation Research Record 1681, TRB, National Research Council, Washington, D.C., 1999
18. Niederquell, M.G., Baladi, G.Y., and K. Chatti, "Rubblization of Concrete Pavements: Field Investigation," In Transportation Research Record 1730, TRB, National Research Council, Washington, D.C., 2001
19. Pottinger M., "The Three-Dimensional Contact Patch Stress Field of Solid and Pneumatic Tires," Tire Science and Technology, TSTCA, volume 20 number 1, 1992
20. Pottinger, M.G., and J.E. McIntyre, "Effects if suspension Alignment and Modest Cornering on the footprint Behavior of Performance Tires and Heavy Duty Radial Tires," Tire Science and Technology, TSTCA, volume 27 number 3, 1999

21. Dauzats, M., and A. Rampal, "Mechanism of Surface Cracking in Wearing Courses," Proceedings of the 6<sup>th</sup> International Conference on Asphalt Pavements, Ann Arbor, 1987
22. Roque, R., and B. E. Ruth., "Mechanisms of Modeling of Surface Cracking in Asphalt Pavements," Proceedings of the Association of Asphalt Paving Technologists, Volume 59, 1990
23. Roque, R., Myers, L.A., and B. Birgisson, "Evaluating Measured Tire Contact Stresses to Predict Pavement Response and Performance." In Transportation Research Record 1716, TRB, National Research Council, Washington, D.C., 2000



University of Moratuwa, Sri Lanka.  
Electronic Theses & Dissertations  
[www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)