

**ADDITIONAL ISSUES CONCERNING RECENT MODIFIED  
1993 AASHTO EQUATIONS (AASHTOLIV) FOR ANALYZING  
MEASURED DEFLECTION BOWLS**

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*ABSTRACT*

An accompanying paper developed modifications to the 1993 AASHTO equations for forwardcalculating subgrade and pavement moduli, termed AASHTOLIV equations. It was shown through them that the rate of depth to bedrock has a significant influence on the forwardcalculated subgrade modulus and only a minor effect on the forwardcalculated pavement modulus. The present paper elaborates on the issue of how to fix the depth to bedrock as an input to the corrected final AASHTOLIV equations. The existing regression equations for predicting depth to bedrock lead in many cases to unrealistic results. In addition, the MODULUS 6 outputs, as was demonstrated, do not completely describe realistic results of a depth prediction to bedrock. These findings led to the recommendation of the use of the old method, in which a fixed depth is assigned as a function of the subgrade classification. The present paper also deals with the issue of how to calculate the subgrade CBR value from the corrected final AASHTOLIV forwardcalculated subgrade resilient modulus.