
A203: EVALUATION OF IN-SITU SUBGRADE STRENGTH FOR LOW VOLUME ROADS

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ABSTRACT

The strength of the subgrade is an important parameter in assessment of the behavior of pavement to traffic loads. The traditional techniques for pavement subgrade evaluation such as the California bearing ratio (CBR), plate loading test and several nondestructive tests NDT gained popularity in India in recent years. This is mainly because of the inherent capability of obtaining required information quick and easy due to their simplicity in design and portability. Hence, the aim of this paper is to explore the correlation between "elastic modulus" obtained from portable falling weight deflectometer (PFWD) and "Penetration rate (PR)" obtained from dynamic cone penetration test (DCP)