



EFFECTIVENESS OF TRAFFIC FORECASTING ON PAVEMENT DESIGNS IN SRI LANKAN ROADS

By

P H Gunasinghe

Supervised by

Dr MAW Kumara

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Department of Civil Engineering
University of Moratuwa

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Abstract

Pavement design plays an important role in any improvement or rehabilitation of road. Therefore, it is a responsibility of the Road Design Engineer to ensure that he has come up with an effective design, so that it will last for the entire design life. This effectiveness or the optimization is very important as otherwise it could lead to financial implications.

In this research study, Flexible Pavement Designs of recently rehabilitated or improved set of roads are analyzed to check the effectiveness of traffic forecasting on pavement design in Sri Lankan roads.

It also demonstrates the suitability and the applicability of "American Association of State Highway and Transportation Officials" (AASHTO) flexible pavement design method for the Sri Lankan roads, as an alternative design method.

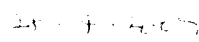
This study also discusses the present practices of RDA in pavement design and finds a way forward to improve the system.

DECLARATION

"I certify that this thesis does not incorporate without acknowledgement any material previously submitted for a degree or diploma in any University to the best of my knowledge and belief it does not contain any material previously published, written or orally communicated by another person or myself except when due reference is made in the text. I also hereby give consent for my dissertation, if accepted, to be made available for photocopying and for interlibrary loans, and for the title and summary to be made available to outside organizations."


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To the best of my knowledge, the above particulars are correct.

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