

**CENTRE OF STUDIES FOR BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND
SURVEYING
UNIVERSITI TEKNOLOGI MARA**

**ROAD MAINTENANCE MANAGEMENT SYSTEM BY PUBLIC
WORK DEPARTMENT**

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**“I hereby declare that this academic project is the result of my own
research
except for the quotation and summary which have been
acknowledged”**

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ABSTRACT

Road should be viewed as an important national assets. Like any other assets, road must be regularly maintained to keep them serviceable. The study conducted on the Road Maintenance Branch, whereby this branch was established specifically to manage the assets of the Federal Road to the Public Work Department of Malaysia. The aim of this study is to investigate on how to improve road maintenance management system in order to reduce time and cost. The study is carried out through interviews, questionnaires and archives from the Public Work Department. Interviews were conducted with the personnel involving in road maintenance management. The questionnaires were distributed to those who are involved in maintenance activities at the Public Work Department. The data collected were analyzed using an average index method to obtain the result. From the result, the most common problem occur during the implementation of Road Maintenance Management System is to get the funds for the road maintenance. Public Work Department should consider monitoring the work carried out by the concessioners in order to improve the Road Maintenance Management System.

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1.1 INTRODUCTION

According to Ahmad (2002) maintenance is always for any structure to maintain ability and to prevent worsening / rusting, crumbling, etc. that can shorten service life. The fact is, maintenance works are not given the attention it should have a budget gave out for maintenance work which is rarely a consideration in advance. However, it is a fact that maintenance is most important and activities to be carried out to extend or at least maintain serviceability structure until the end of service life.

Structure as showed not only refers to the buildings. Other structures such as bridges, roads, ports, drainage and any kind of engineering structures also included. Maintenance of this structure may be different in many ways, but all be done in a strategic and systematic. This study was conducted to investigate how to enhance the Road Maintenance Management System. Dipak (2005)

1.2 BACKGROUND OF STUDY

In this new era, designer products not only for the use of and destroy, but we began to search for or consider new strategies to effectively protect, manage and preserve our pavement so that not only is it safe to use, but also can be maintained more efficiently and last longer.

In Malaysia, especially in the government sector are many types of pavement and a new surface has been considered by both the engineer in the Public Works Department (PWD) and Consultant. Once established, concept designer or consultant is allowed to continue the detailed design. Pavement and surfacing of having the majority of the conventional type. However, there are proposals that can be classified as non-traditional.

In addition to the new design of the pavement surface, the main problem remains appear. The News Straits Times, August 18, 2003 the Director-General of Public Works says that, "The local authorities have more complaints from motorists every day because work done discontent".