

**LAPURAN PROJEK TAHUN AKHIR
KURSUS DIPLOMA LANJUTAN KEJURUTERAAN AWAM
KAJIAN KEJURUTERAAN, I.T.M.
SHAH ALAM**

**DEVELOPMENT OF ROADS IN
PENINSULAR MALAYSIA**

**BY
MOHAMAD BAKAR
IBRAHIM AHMAD**

MAY, 1987

SYNOPSIS

The planning of roads for their construction or improvement is rightly regarded as one of the most effective ways of promoting economic development of a country.

This thesis is an attempt to trace road development in Peninsular Malaysia from its beginning in the 1800s to the present day. This thesis also discusses the organisational structure of road administration, road construction methods and the finances involved in constructing roads before and after independence.

ACKNOWLEDGEMENT

The students would like to express their sense of gratitude to the Project Advisor, En. Sharudin Md. Salleh for his continuous advice and guidance throughout the preparation of the project.

Special thanks are due to JKR Shah Alam (Road Section), JKR Headquarters such as Road Section, Bridge Section, Highway Planning Unit, Rural Road Development Section, National Archives, National Library, National Museum, Information Department, Information Bureau, MINDEF, Survey Department, Royal Malaysian Police, Malaysian Highway Authority and RIMV for supplying the vital information and plans required for the project.

The students would also like to thank all colleagues and staff of the Civil Engineering Department who directly or indirectly contributed to the preparation of the project.

TABLE OF CONTENTS

	<u>Page</u>
SYNOPSIS	(i)
ACKNOWLEDGEMENT	(ii)
TABLE OF CONTENTS.....	(iii)
NOMENCLATURE	(V)

CHAPTER 1: Highway Development in Peninsular Malaysia

1.0	Introduction.....	1
1.1	Development of Roads in Peninsular Malaysia	1
1.2	Development of Roads Before Independence.....	4
1.3	Development of Roads After Independence (1957-1966).....	15
1.3.1	The First Malaysian Plan (1966-1970).....	16
1.3.2	Road Development In Three (3) Malaysian Plans...	21

CHAPTER 2: Highway Administration and Finance in Peninsular Malaysia.

2.0	Introduction.....	30
2.1	Highway Administration Before Independence.....	30
2.2	Highway Administration After Independence.....	36
2.3	Highway Finance in Peninsular Malaysia.....	44
2.3.1	Highway Finance Before Independence.....	45
2.3.2	Highway Finance After Independence.....	45

CHAPTER 3: Highway Construction Methods

3.0	Introduction.....	51
3.1	Highway Construction Before Independence.....	51

Highway Development in Peninsular Malaysia

1.0 Introduction

Roads can be considered as much a cause as a consequence of civilization; they both precede and follow it. History testifies that the provision of roadways is necessary to draw a country out of a state of underdevelopment but that civilization is not attained until communication between neighbours is made easy so that local differences which breed narrowmindedness are minimized. As civilization advances and prosperity increases there is inevitable demand for better and speedier communication facilities especially for the roads. Indeed it can truly be said that the prosperity of a nation is bound up with the state of its roads and that the roads act as a nation's pride.

1.1 Development of Roads in Peninsular Malaysia

The development of road transport in Peninsular Malaysia or known more precisely then as the Malay States really has its nucleus during the reign of Malay Sultanate in Malacca in 14th centuries, where at that time Malacca was the centre of trade for the Arabs, Chinese, Indians and European traders.⁽¹⁾