

I.C.T.I.

CIVIL ENGINEERING COURSE

DIPLOMA PROJECT

TRAFFIC ANALYSIS

C/964

MARIA PATTICHI

JUNE 2002

HIGHER TECHNICAL INSTITUTE

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**HIGHER TECHNICAL INSTITUTE
CIVIL ENGINEERING DEPARTMENT**

TRAFFIC ANALYSIS

By: Maria Pattichi

Project Report

**Submitted to
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of the Higher Technical Institute
in partial fulfillment of the requirements
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in

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SUMMARY

(Objectives)

Title: Traffic Analysis

Objectives

1. To identify traffic problems and conflict points in a traffic network.
2. To take actual traffic counts.
3. To carry out accident analysis.
4. To suggest corrective measures.

Terms and Conditions

The intersection under investigation was the Byzantiou – Kykladon – Lefkonos – Ouranias Kokkinou streets. These roads can be seen on the map provided in the Appendix.

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Part I
General Definitions & Sources
of Road Traffic Problems

INTRODUCTION

Thousand years ago the common travelways where formed deliberately by people and their animals. These paths eventually evolved to roads.

Due to the fact that for centuries this continued to be the only way to travel, the need for safety drove travelers to choose travelways that where wellknown to be safe and to have near by water supplies. But as you can imagine people couldn't travel very long on foot or with the aid of their horses and other animals.

The first material that was used to manufacture roads was rocks-stones. Later on bricks where also used and wood! Whether is sounds bizzar and crazy roads where first manufactured and well used no to help human life but for military reasons. To transport their captives and slave labour the sooner the better.

Through the years things changed! The growth of villages and towns demanded the existence of good roads appropriate for wagous and cars to travel upon them, because people now wanted to travel longer distances.

The arrival of automobile brought a confusion. No one knew back then where that development would lead. The machines, powered either by cumbersome steam engines or inefficient electric motors, where the butt of jokes as they bogd down in the mud, as well as the target of wrath as they frightened horses, which, after all where the most important means of getting about.

In order to help people realize how roads and cars were their future in USA for example in 1901, the National Good Roads Association, began a traveling “Good Roads Show” to educate the public on the advantages of improved highways. Road machinery companies donated equipment and built “sample” roads of earth, stone or gravel. The “Good Roads” trains were a major factor in stirring the nation’s interest in “Getting out of the mud”.

Just like things changed back then, things are still changing and improvement need to be done on a regular basis.