

H.T.I.

CIVIL ENGINEERING COURSE

DIPLOMA PROJECT

TRANSPORTATION STUDY AIRPORT

ANALYSIS

C/934

CHRISTIANA A. KATSAMBAS

JUNE 2001

**HIGHER TECHNICAL INSTITUTE
CIVIL ENGINEERING DEPARTEMENT**

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TRANSPORTATION STUDY AIRPORT – ANALYSIS

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BY:

CHRISTIANA A. KATSAMBAS

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HIGHER TECHNICAL INSTITUTE	PROJECT NO. 3204
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TRANSPORTATION ANALYSIS
AIRPORT DESIGN

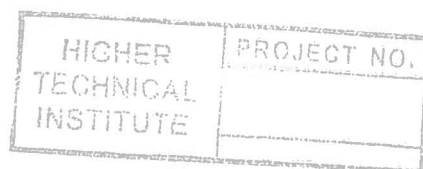
By Christiana Katsambas

Project Report

Submitted to
the Department of Civil Engineering
of the Higher Technical Institute
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in partial fulfillment of the requirements
for the diploma of

TECHNCAL ENGINEER
IN
CIVIL ENGINEERING

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HIGHER TECHNICAL INSTITUTE
NICOSIA – CYPRUS

CIVIL ENGINEERING DEPARTEMENT

Academic Year 2000 / 2001

Diploma Project Number : C / 934

Title : Transportation Study

Objectives :

- 1) To identify and discuss general transportation problems.**
- 2) To state methods of transportation analysis.**
- 3) To investigate and comment on airport design with emphasis on passenger and visitor activities.**
- 4) To present a transportation study of an existing airport.**

Terms and conditions

- The study will be carried out for the Larnaca International Airport.**

Student : Christiana A. Katsambas

Supervisor : Mr. N. Kathijotes

External Assessor :

HIGHER TECHNIC-I INSTITUTE	PROJECT NO.
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I would also like to express my gratitude to all my friends for their support and especially my father who without his assistance this project would have never finished.

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PHOTO GALLERY

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INTRODUCTION

The goal of this project was to present a brief transportation study and to investigate on airport design.

Transportation can be defined as the conveyance of people or goods from one place to another. In this matter it is only natural to assume that in this definition are included all mechanical means of transportation such as airplanes, trains, cars, busses, ships, cranes est. However when one refers to transportation means, all factors that contribute to transportation must be considered; such as roads, airports, ports, railway stations, the sea. In this sense even tax paid for transportation, or the fees for a bus ticket, or the money paid to fill the gas tank of a car are also included to the definition of transportation.

To sum up with in general transportation is all the mechanical means used to convey people and goods from one place to another, the elements of nature where the movement takes place and all economical factors and resources that contribute to the transportation.

Having all this in mind it is only natural when referring to the term transportation analysis in this project to be very brief. In order to present a complete transportation analysis for a specific road or an area, years of research would be required and a lot of experience would be necessary in order to propose the solutions that would satisfy every one. In this

project a general view of the transportation problems in Cyprus will be presented and in some cases solutions will be proposed.

The other part of the project refers to airport design. In this sense no misunderstandings should occur because it will be made clear that only the passengers lounge and its requirements will be analyzed. This is a very complex procedure to analyze all the factors that should be taken into account in order to present a complete research for the development of an airport.

To sum up with, this is not a project that aims to introduce a new way of transportation or to solve any problems. This is a research in which the given objectives will be examined.