

A study on Road Junctions in Cyprus

by

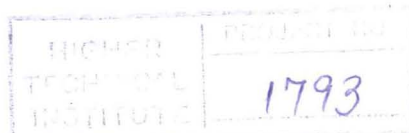
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Project Report

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SUMMARY

The present project deals with the study of road junctions in Cyprus.

The selection of the appropriate intersection type is based on the cost and availability of land, traffic volumes and delay design speed.

The first part of this study, details of the different types of junctions are theoretically obtained. Also the traffic flow, capacity and safety are analysed as well.

In the second part a general approach to safety is obtained by the analysis of accident records in Cyprus over the past few years

Finally an investigation of the main road junctions of Nicosia was carried out. To accomplish this each case was examined separately. The informations gathered consisted of its general characteristics and the accident record since 1985.

Having in mind the above informations in situ examinations were carried out to determine the cause of the accidents in each separated case.

After completing the investigation and study of the above, some possible solutions were suggested so as to improve or solve the existing situation.

These solutions were proposed after taking into consideration the density of traffic for each case in conjunction with the cost of each alternative solution. Additionally before proposing a solution the International and Cyprus standards (i.e. criteria for the installation of traffic signals making a street one way etc) were considered.

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