

TRAFFIC ANALYSIS - INTERSECTION

by

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ABSTRACT

- CHAPTER 1 : A general introduction to the course is attempted and general information about conjunction problems and road planning objectives is given.
- CHAPTER 2 : The several methods of the traffic studies are described and the advantages and disadvantages of each one are stated. A precise description of how the measurements were taken is given.
- CHAPTER 3 : The types of intersections are stated, the necessity and the several types of intersection control are described and several features considering intersection functionality are appeared.
- CHAPTER 4 : Capacity and Level of service are defined and factors effecting them are discussed in detail. Several ways of increasing the capacity and improving the level of service are suggested.
- CHAPTER 5 : Statistics considering accidents for the specific intersection, as well as for the whole of the island are collected and tables are appeared in this chapter and discussed. Several ways to reduce accidents and make a road safer are suggested.

CHAPTER 6

: A precise description of the intersection under examination is appeared. This includes the physical features, the illumination, the operation of the signals at the intersection the pedestrians, the type of vehicular and the pedestrians loading. It also includes a direction analysis, determination of conflict points and definition of the most dangerous.

CHAPTER 7

: The conclusions of the study of the intersection are appeared in this chapter and several improvements are discussed and described in detail.

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