

PARKING AND TRAFFIC DESIGN
FOR A BIG SUPERMARKET

by

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Project Report

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Summary

The objectives of this project are the following:

- (1) Methods of parking and traffic flow to be illustrated and explained.
- (2) To prepare all drawings necessary for the operation of a parking area (or smaller areas) of a big supermarket.

Chapter 1 deals with the parking theory. Off-street parking is mentioned here. General information about parking is given, what payment systems exist, what the demand and cost of off-street parking is, locating off-street parking facilities and other general information.

Chapter 2 deals with the functional design of off-street car parks. That is, how the layout of a surface park should be, what dimensions are usually used, and what points should be considered for driveway design. Here, the different methods of parking are mentioned (various angles) as well as the traffic flows which occur. Pedestrian and car egress and access are mentioned which should be considered when designing a car park. Finally, traffic control devices are mentioned (signs and markings) as well as the aesthetics of the parking area.

Chapter 3 describes how the Athienitis supermarket parking area was designed. Photographs show how the area looks at present, and the approach of the best solution for the design of the area is described. Finally, the drawing which was prepared is described and dimensions used are mentioned.

Chapter 4 deals with the traffic design of the parking area. Signs and markings used are mentioned and described.

Finally, the conclusions refer to the solution that was given in the best possible approach.

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