

PROPOSED MULTI-STOREY CARPARK COMPLEX, CENTRAL BUSINESS

DISTRICT, ABUJA

(A STUDY OF THE OPERATIONAL NEEDS(CIRCULATION) OF A MULTI-STOREY

CARPARK IN RELATION TO URBAN PLANNING)

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ABSTRACT

Transportation systems and the routes they use have greatly influenced both how and where people live. Reliable transportation allows a population to expand throughout a country's territory and to live comfortably in remote areas far from factories and farms.

Transport in one form or another is a basic and essential part of the daily rhythm of life. At different stages of development, however, and in different sets of circumstances, the nature of the demand for transport is likely to vary a great deal with the increase in population and economic activities in nigerian cities, the number of motorvehicles is growing at a faster rate than the proportion of urban space devoted to roads.

In urban areas particularly, but also in suburban areas, the growing commercialization of available land has produced rapid and large increase in land values, to the extent that the use of large areas of land for parking automobiles and other vehicles is uneconomical. unfortunately, the very commercialization which enhances the land values creates an increased demand for vehicle -parking space. It is obvious therefore, that optimum economic use of land can only be achieved through the use of multi-storey car parking garages.

A multi-storey car park or a parking garage is a building (or part thereof) which is designed specifically to be for automobile parking and where there are a number of floors or levels on which parking takes place. it is essentially a stacked car park.

Central business district is the city's heart, pulsating with business, government and recreational activity. it is chosen as study background because of the growing vehicular nature of the city (abuja is vehicular based), there is an increase in population as compared to forecast and an increasing reduction of the buildable urban space. furthermore the influx of vehicullar traffic from elite residential areas such as maitaima, asokoro, wuse and large satellite towns such as kubwa, nyanya, lugbe add more parking pressures to the central business district.

Abuja as administrative and growing commercial centres will continue to play a very unique role in the development of nigeria. its problems are the creation of all the states of nigeria, and as such every sector has a role to play in finding solutions to them-especially the storage of the large number of automobiles that ply the city.