

ABSTRACT

Traffic management is key in urban centers and Nairobi City being one of the biggest urban centers in the continent needs adequate planning to control the traffic within the Central Business District. One of the wanting needs within the city is provision of adequate parking facilities. There has been a steady rise in car ownership over the years and the number is only going up with the number of vehicles in Nairobi alone likely to be more than 1.35 million by 2030. This project therefore focuses on managing the stationary vehicles within the CBD by providing a conveniently located parking facility which would provide safe parking spaces for vehicles. This would in turn reduce the number of vehicles parked on street improving traffic flow. In the project it is therefore proposed that a public car park be constructed within the CBD and the facility to be managed by the Nairobi County Government. The structure is to be designed in accordance with the relevant Eurocodes and other relevant references as will be sited and, in the end, produce detailed structural drawings.