

# EVALUATION OF STREET PERFORMANCE IN URBAN AREAS: A CASE STUDY OF ABUQUIER, ALEXANDRIA

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## ABSTRACT

Streets, as the most important component of land transport infrastructure, have been described as the main public spaces of a city and the most vital organs too. The street is a physical element in the city that provides a link between building blocks; it also facilitates the movement of pedestrians, goods and vehicles. It plays a visible role in creating sustainability of its environment, it may inhibit or promote its sustainability by the composition of its activities, its land use mix, and its surrounding blocks design. This role reflects the importance of streets in our daily life and demonstrates the extent to which we should think and do to survive our city's streets.

The main question could be asked is "Dose the street provision in traditional urban areas meet the demands of current and future generations?". The answer could be driven from one famous leader of the modern movement in architecture "Le Corbusier" as he said:

*"Our streets no longer work. Streets are an obsolete notion.*

*We have to create something to replace them"*

This paper recommends possible improvement to street performance that would accelerate the development of the traditional urban area of Abuquier, Alexandria. Transport problems in this area are identified and evaluated. These problems include mix of transport modes and misuse of road space, inadequacy of pedestrian facilities and public transport services, and incompatibility of the main arterial road and residential streets. A direction for improvement, which includes traffic and street management and pedestrian needs, is suggested.