

Assessment of Intra-City Road Infrastructure in Ado-Ekiti, Ekiti State, Nigeria

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Abstract : The development of the nation's overall growth is directly impacted by the vital substructure of the transportation system. The majority of developing countries experience issues with road transportation, including limited and low-quality infrastructure. The study assessed intra-city road infrastructure in Ado-Ekiti with a view to identifying its adequacy and functionality for efficient transport in the town. To this end, the study examined the locations of the road infrastructure, characteristics of the road infrastructure, and condition of the road infrastructure. A systematic random sampling method was adopted to select respondents for the study. Data were sourced from both primary and secondary sources. A 2.5% of 20,160 households, amounting to 503 households, was used as the sample size. Data analysis was based on responses from 500 questionnaires retrieved, and the data were analyzed using descriptive statistics. The results of this study showed that based on the locations of road infrastructure, disparity exists in the distribution of infrastructure amongst the major roads. Inferences from the results gathered also demonstrated that the infrastructure that is available is very much less than the non-available infrastructure. About 50% of the respondents are satisfied that the condition of road infrastructure in Ado-Ekiti is fair. The study's recommendations for the Ekiti state government include quantifying the number of existing road infrastructure, establishing a state maintenance board to expedite their renovation, and diversifying its goals for providing road infrastructure through public-private partnership (PPP) agreements with the private sector.

Keywords : road transportation, infrastructure, availability, intra-city

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