

IMPACT OF ROAD DUALIZATION ON MOBILITY OF RESIDENTS IN OGBOMOSO, NIGERIA

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ABSTRACT

This study, therefore, assessed the impacts of road dualization on mobility of residents' in Ogbomosho. Stratified sampling method was used to select eleven areas that fall within 100metre radius on both side of the dualized road in the study area. A structured questionnaire focusing on socio-economic characteristics of residents along road network, existing condition of road before and after dualization, residents' satisfaction with road dualization and impacts of road dualization on mobility of residents' was administered to 250 randomly selected household's heads. This shows that more than half of road attributes has improved after road dualization, while insignificant proportion of road attributes retained their existing status. On the issue of satisfaction with road dualization by residents, they are more satisfied with "pedestrian walkways"(0.375), "roundabout"(0.359), "central reservation (meridian)"(0.295), "carriageway width"(0.267), "road set-backs"(0.247), "asphalt thickness"(0.219), "covered drainage system"(0.155) and "fine grading"(0.119). The environmental related impacts of road dualization on residents' mobility includes "occurrence of road accidents"(-0.422), "traffic congestion"(-0.486), "delayed in movement"(-0.450), "obstructing street cleaning"(-0.326), "odour"(-0.198), "dust"(-0.182), "noise"(-0.118), "contamination of surface"(-0.326), "smoke"(-0.286), waste generated littering streets"(-0.142); Health impacts were also observed. Therefore, a lot of benefits derived from road dualization, majority of residents that fall victims of displacement and demolition were yet to be compensated. also, government should compensate residents whose buildings were demolished.

KEYWORDS: Road Dualization, Residents' Mobility, Residents' Satisfaction, Improvement

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