

Evaluating Bus System as a Transportation Mode in Gaza Strip-Palestine Using GIS

Authors : Mohammed Alokshiya, Alaeddinne D. Eljamassi

Abstract : This study discusses the condition of bus service in Gaza Strip through testing certain hypotheses assuming that public is not satisfied with bus system in Gaza. This testing is proceeded using questionnaire. The study also includes the evaluation of ten bus stops in Gaza city as a case study using GIS, and suggests a design case study for the bus system in the university zone in Gaza city. The research indicates that there is a general dissatisfaction with bus system in Gaza Strip, with respect to buses in service, drivers and bus stops. The study also gives a design for a bus stop and its frequency in university zone in Gaza city. Finally, the researcher recommends that more interest should be given to bus system, through actual procedures such as insuring the suitability of bus for transferring passengers before updating bus license, decreasing taxes of importing new buses, and holding awareness raising sessions for bus drivers.

Keywords : public transport, bus system, public satisfaction, bus stop locating

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