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Title
Evaluation of a Road Transportation Improvement Plan for Makkah, Saudi Arabia

Abstract
Continued growth in both the permanent and pilgrim populations of Makkah in the Kingdom of Saudi Arabia is placing considerable strain on transport systems and the ability of the city to support the movement of people and goods. This is causing traffic congestion especially in the arterial roads.

Umm Al-Qura Road is one of the highest-capacity urban roads in Makkah. This study evaluates the current situation on this road using micro-simulation techniques, with the purpose of providing suggestions and options to develop more efficient and effective solutions for the current and future growth in traffic.

In conclusion, the outcome of this study shall provide the engineers and managers of Makkah's road network with proper tools to cope with the traffic congestion. Furthermore, the results of this project will have significant implications not only for the people of Makkah, but also for the millions of Muslim pilgrims who visit the city every year.

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Supervisor
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