

عنوان مقاله:

Studying the Role of Traffic Flow Control Methods in Freeways and its Effect on Drivers' Behavior

محل انتشار:

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خلاصه مقاله:

High and improper speed is one of the most important factors in traffic accidents in many countries; as long as vehicle and road conditions remain constant, the severity of the accident increases by speeding the vehicle up. Therefore, injuries and damages caused by traffic violations and, consequently, road accidents are important and significant matters challenging the public health of society. Therefore, speed management is necessary to control the severity of accidents; thus, it is important to reduce casualties due to accidents. Speed cameras could be considered as one of the most important tools for managing the traffic flow on freeways. The methodology of the present study is quantitative and cross-sectional, and its main purpose is to investigate and analyze the role of traffic flow control methods on freeways and its effect on driver's behavior on the Karaj-Qazvin freeway based on comparative and field studies. In this study, after reviewing the traffic flow control methods, a standard questionnaire was prepared to analyze the studied traffic flow control and their feasibility on the Karaj-Qazvin freeway and was distributed among the members of traffic police and drivers. Data were inputted into SPSS software, and research hypotheses were tested using linear regression. The results indicated that the number and type of video surveillance cameras, along with the simultaneous presence of police in the route, is effective to reduce speed and driving violations.

کلمات کلیدی:

Traffic, Speed, crash reduction, Camera, Regression

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