

A Driving Simulator Investigation of Road Safety Risk Mitigation under Reduced Visibility

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Abstract: *In recent years adverse weather condition is one of the causes of vehicle crashes and human life fatalities. The severity of the accident may depend on various factors. So the main focus should be on the development of precise detection of type of weather condition and warning system. In this study we have expressed the safety risk for low visibility on roadways. Stormy or rough weather or smog causes fog/smoke, heavy rain & high winds also affect every visible road by disturbing visibility conditions, driver's behavior, visibility distance etc. However, they affect traffic safety and traffic flow rate. Visibility is weak for the driver and reduction in visibility due to fog or other weather conditions such as heavy rainfall is an advanced factor that affects road accidents.*

Keywords: Speed detector technique, Prevention of accident, Fog/smoke, IR sensor, Traffic operation and safety.

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