

台灣地區大型重型機車駕駛行為特性分析

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摘要

The accident rate of large motorcycles with engine sizes over 250cc is higher than other private vehicles in Taiwan. Therefore, it is very important to investigate the traffic characteristics of large motorcycles from the traffic safety viewpoints. This study is to investigate the traffic conditions on tangent sections and curve sections in the provincial highway by means of digital cameras as data collection tools. The study results show the travel speeds of large motorcycles were slightly higher than passenger cars and motorcycles. However, the speed deviation was significantly greater than other types of vehicles. It indicates that, motorcyclists tend to travel faster than other vehicles but with various speeds. This study also found that the following distances between large motorcycles and other vehicles were larger than those between other types of vehicles. This observation indicates motorcyclists maintain shorter following distances and other vehicles when following with or being followed by other vehicles. These results show that the motorcyclists are more dangerous than other drivers.

關鍵字：motorcycles, expressways, traffic characteristics