

Analysis of Road Safety Model of Highway

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Abstract:

In the present study, the data has been collected in respect to following conditions as shown in the given graphs by making observation in the field and by visiting the different sites. For this purpose, the selected highway was divided in km wise for collecting desired data as per requirement.

Introduction:

The analysis of road accident data was done for determining the type and cause of accident. In this study accident data were collected for the identified stretch of selected NH-9 from FIRs of police records of the concerned police station. The road accident data so collected are therefore analysed in respect of NH-9 and results discussed as under:

- Number of accidents
- Fatal and non-fatal accidents
- Accident based on time period
- Proportion of vehicle involved in accidents
- Severity of accidents
- Causes of accidents and remedial measures.

RESULT AND DISCUSSIONS

The present show the importance of various parameter of road in terms of their safety issues and using the recommendation of IRC codal provision. The graphs shows that the various parameters involved in the present study.

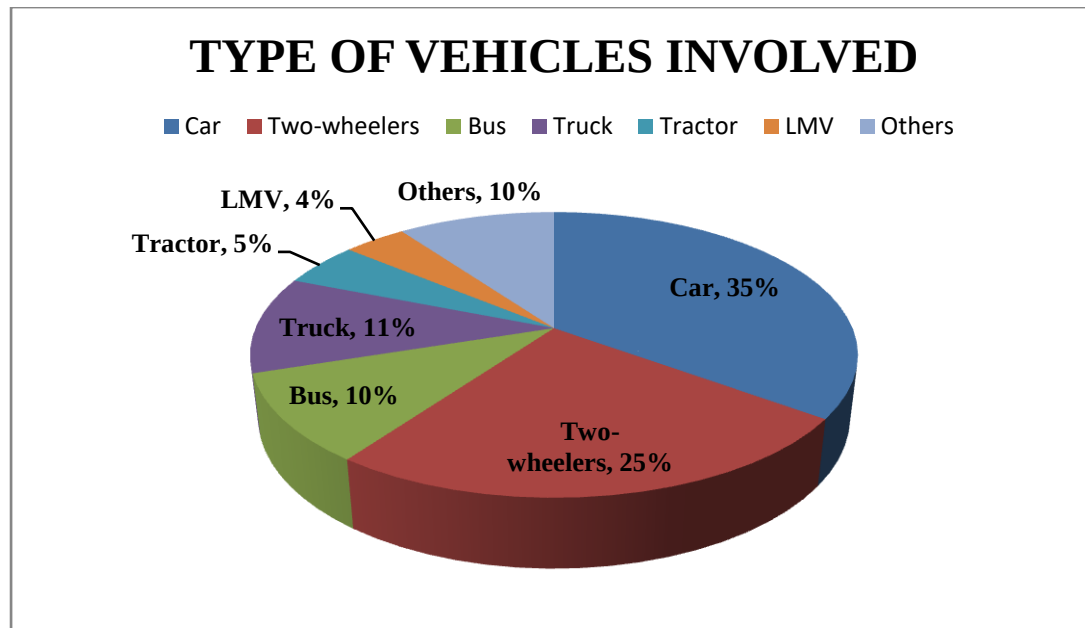


Figure 1 Percentage of Vehicles Involved in Accidents

In this Chart, the causes of Accidents may be affected by Drivers Faults at very High Percentage i.e. up to 60% and other factors may not effects much on the causes of accidents.

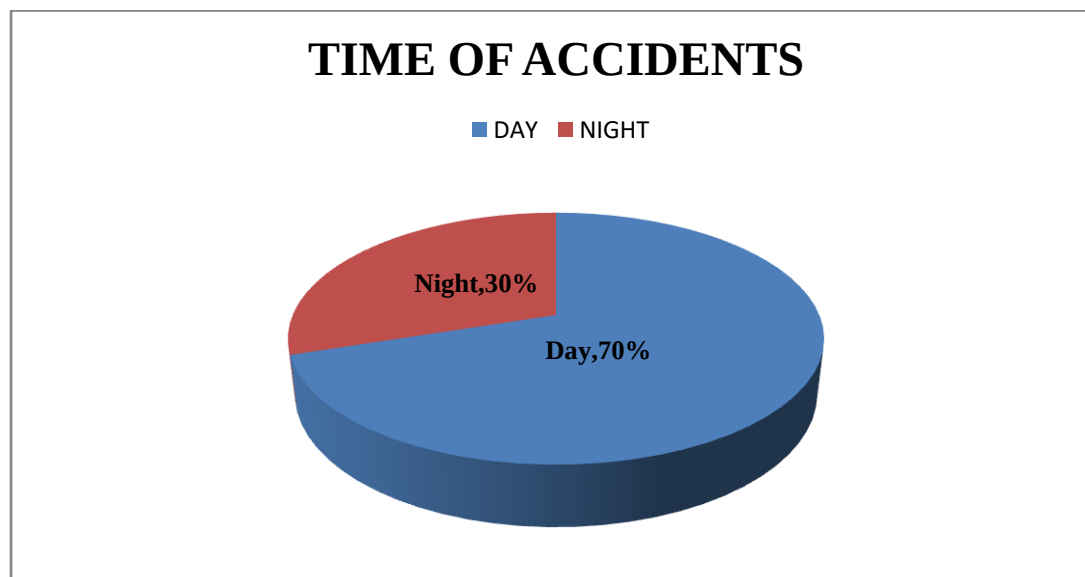


Figure 2 Time of Accidents

In this case, the percentage of involvement of car in accidents was highest at percentage of 35% followed by two wheelers which stands at 25% while the remaining percentage of involvement in accidents was due to bus truck and others.

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