

**Comparative Study of Severity Indices of Selected Stretch on NH-9**

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**Abstract:**

*In the present study, the data of a selected stretched were analysis based on different severity indices i.e. Accident Severity Index and Weighted Accident Severity Index of the selected stretches of NH-9 on the basic of average number of accident based on calculation of the accident data of various months were calculated and analysis on the basis of these indices.*

**Introduction:**

Now a day, Road accidents are an outcome of the interplay of various factors, some of which are the length of road network, vehicle population, human population and adherence/enforcement of road safety regulations etc. Road accident causes injuries, fatalities, disabilities and hospitalization with severe socio economic costs across the country. Consequently, road safety has become an issue of concern both at national and international level. The road safety audit can also be done by various outsourced company based on their collection of data in to the present study.

**Comparison between ASI and WASI of selected stretch on NH-9**

The accident severity index (ASI) and weighted accidents severity index (WASI) of the selected stretch of Nh-9 on the basis of average number of accidents have been calculate for the accident data of various months and given in the Table 1.

**Table 1 ASI and WASI of NH-9**

Months & year	Total Accidents	Accident Severity Index	Weighted Accident Severity Index
April,2016	37	8.1	2.6
May,2016	36	2.77	2.42
June,2016	47	12.76	2.76
July,2016	26	23.07	2.96
August,2016	29	0	2.35
September,2016	21	9.52	2.66
October,2016	32	15.62	2.72
November,2016	15	6.66	2.66
December,2016	17	47.05	3.53
January2017	23	26.08	3.08

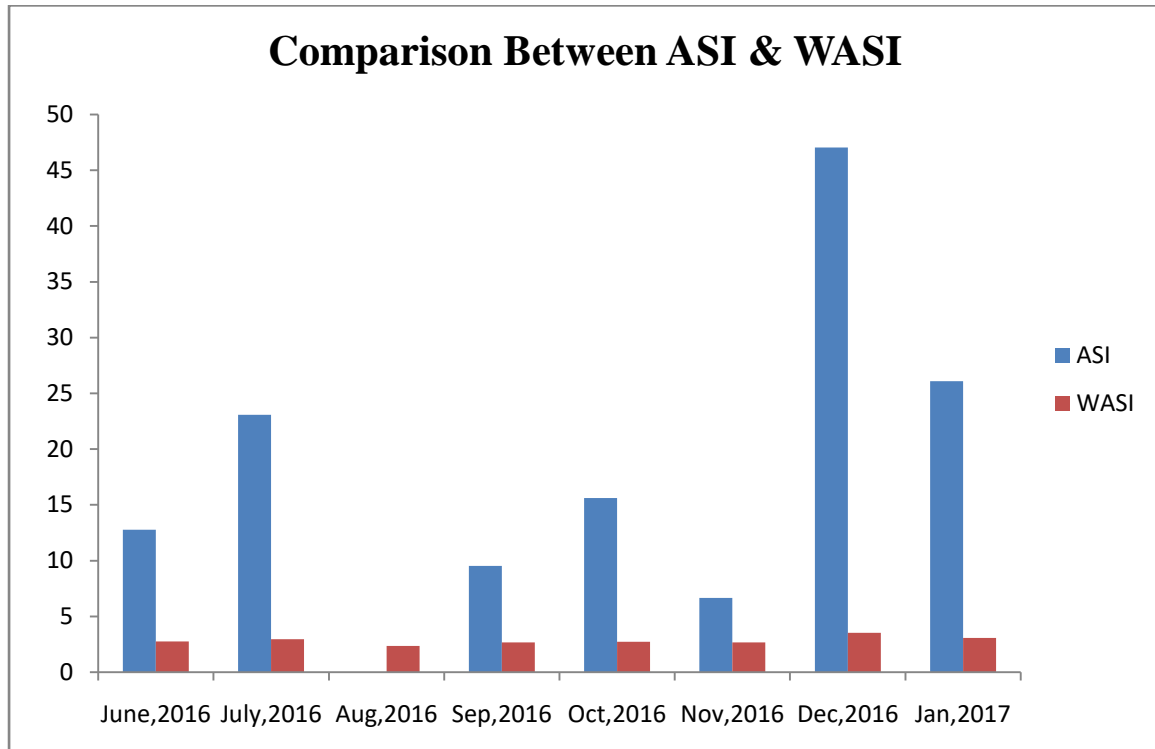


Figure 1. Comparison between ASI & WASI

### Conclusion:

The main road related causes of accidents are found to be inappropriate gaps in medians and provision small rotary without adequate sight distance and weaving length and missing delineators on median and rotary, lack of signage and markings etc.

### References:

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