

## Abstract Details

**Title:** Geometric Design of Highway

**Authors:** Neeraj and Mr. S. S Kazal

**Abstract:** The paper deals with the objective and factors to be considered for geometric design of highway followed by the features (cross section elements of highway, sight distance considerations, horizontal alignment and vertical alignment) on which the geometric design of highways is based. The paper mainly emphasizes on the importance of planning and designing of geometric features of the highway during the initial alignment itself taking into consideration the future growth of traffic flow and possibility of the road being upgraded to a higher category or to a higher design speed standard at a later stage as it is very expensive and rather difficult to improve the geometric elements of a highway in stages at a later date.

**Keywords:** Design Speed, Topography and Cross Section Elements.