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Guiding Development Along Fringes With High Speed Movement Corridor: A Case of Trivandrum

High speed movement corridors are one of the infrastructure having high demand globally due to various socio-economic reasons. Most of the Indian cities face the challenge of transformation of high speed movement corridor, especially bypass roads into a city arterial road with high traffic congestion exerted due to boom of development along either sides of bypass roads. This causes the failure of the intended function of bypass roads. Thus guiding development along the corridor is essential to solve this. Since most of the bypass roads passes through fringes, the natural factors need more attention which if not addressed well, could affect the whole natural system of the city. In most of the cities, this natural element is being ignored which result in haphazard and less liveable atmosphere inside and outside the city.

Inorder to address this, the study focusses on details of bypass roads and urban rural fringes which is followed by understanding its impacts on various urban features. Also supported by similar cases, certain components are identified for further analysis and design purpose.

As an outcome, the thesis recommends certain generic and site specific guidelines with detailed design demonstration which helps to address a similar concern on a similar context.

The thesis concludes by stating that factors like traffic interconnections, land use, ecological incredibility, community structure, morphology, etc. needs