

## Improvement to Pedestrian Walkway Facilities to Enhance Pedestrian Safety- Initiatives in India

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**Abstract :** Deteriorating quality of the pedestrian environment and the increasing risk of pedestrian crashes are major concerns for most of the cities in India. The recent shift in the priority to motorized transport and the abating condition of existing pedestrian facilities can be considered as prime reasons for the increasing pedestrian related crashes in India. Bengaluru City &ndash; the IT capital hub of the nation is not much different from this. The increase in number of pedestrian crashes in Bengaluru reflects the same. To resolve this issue and to ensure safe, sustainable and pedestrian friendly sidewalks, Govt. of Karnataka, India has implemented newfangled pedestrian sidewalks popularized programme named Tender S.U.R.E. (Specifications for Urban Road Execution) projects. Tender SURE adopts unique urban street design guidelines where the pedestrians are given prime preference. The present study presents an assessment of the quality and performance of the pedestrian side walk and the walkability index of the newly built pedestrian friendly sidewalks. Various physical and environmental factors affecting pedestrian safety are identified and studied in detail. The pedestrian mobility is quantified through Pedestrian Level of Service (PLoS) and the pedestrian walking comfort is measured by calculating the Walkability Index (WI). It is observed that the new initiatives taken in reference to improving pedestrian safety have succeeded in Bengaluru by attaining a level of Service of &lsquo;A&rsquo; and with a good WI score.

**Keywords :** pedestrian safety, pedestrian level of service (PLoS), Right of Way (RoW), Tender S.U.R.E (Specifications for Urban Road Execution), walkability index (WI), walkway facilities

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