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Pedestrian Flow under the Influence of Obstacles

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Abstract : Coimbatore, one of the main cities in Tamil Nadu has grown to an unimaginable population of around 35 lakhs (2017). With the increase of population, a range of individuals walking on Coimbatore's footpath also increased. It was observed that pedestrian effective walkways gets reduced due to the presence of obstacles like sign boards, trees, dust bin, manholes, electric pole, etc. Pedestrians show some shyness and variation in speed at this location. This paper aims to review the result of obstacles on the pedestrian flow characteristics by Video graphical analysis, so that extra provision of width would be suggested within the design. Five locations in and around Coimbatore are selected and a trap of 40m is marked on the footpath to estimate the speed of pedestrian.

Key Words : Pedestrian flow, Obstacles, Videography.

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