

## **ABSTRACT**

Pedestrian traffic is the backbone of mobility in most informal settlements in Kenya. On the contrary, the most attractive parts of high-income cities are their most pedestrianized parts e.g. Runda and Karen, which rarely handles large pedestrian traffic.

This paper aims at identifying the factors contributing to pedestrian accidents and to plan appropriate sidewalk condition, also to develop traffic management related systems to improve pedestrian facilities.

A comprehensive study was conducted via site visits, which included collection of baseline data and site analysis, identifying road condition, and developing pedestrian facilities model. It was found out that most roads have bad condition within huge side friction from pedestrian flow including moderate and very high categories.

Factors that influence pedestrian safety were found to be, too much encroachment that might cause accidents, both to pedestrians and roadside sellers, too much congestion on the road, among others.

Following the above problems identified, this project plans to provide pedestrians with facilities that shall be deemed useful to the project area.