Abstract

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Transit stop plays a very important role in improving transit system performance, maintaining traffic flow, passenger safety and security. In public transportation system, transit stops are the points which effect passenger perception towards transit system and can affect ridership. Till date, operational factors are given more importance therefore, this paper discusses important passenger perception factors to be considered while planning a transit stop. Guidelines for street transit stop planning are available in several transit agency manuals and mathematical models. However, these guidelines do not report on every street transit factor, vary a lot from each other, and do not give rank-based factor list. Further, transit user opinion is also important to rank the amenities provided at transit stop. To answer these limitations, this paper report on expert and user opinion surveys, their population and sample size, instrument design, preliminary pilot survey findings and procedure for result analysis.