

7.4.3

Transit Walk Accessibility – Variability with Respect to Trip Purposes and Income

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Transit accessibility is an important consideration in transit planning and ridership estimation. A paper presented by Zhao et al. (2003) at the 2003 TRB annual meeting proposed a method to estimate transit walk accessibility by considering natural barriers and the negative impact of walking distance to transit stops on transit use. This paper expands the previous study by using a larger survey data set and examining the potential effects of trip purposes and socioeconomic characteristics of the service population on transit walk accessibility. The hypothesis is that the degree of walking distance negatively impacting transit use varies by trip purposes and is affected by the income level of transit users.