

عنوان مقاله:

Impacts of disruptions in transportation networks on departure pattern of travelers

محل انتشار:

پانزدهمین کنفرانس بین المللی مهندسی حمل و نقل و ترافیک (سال: 1394)

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خلاصه مقاله:

Transportation system has been considered as one of the fundamentals in socioeconomic development in countries. Concept of vulnerability in transportation systems, emerged as a major new area of interest in transportation planning research recently. In traffic networks, robustness which may be taken as conceptually the inverse of vulnerability, has been determined in order to investigate serviceability reduction and demand changes due to it; This highlights the importance of this topic in local, regional and national transportation policy and planning. The change in the network's total cost is a measure proposed in this paper to consider consequences of one or more links failures in a transportation network. Vickrey's bottleneck model is used in order to evaluate the network's serviceability before and after abnormal conditions

کلمات کلیدی:

Vulnerability of transportation networks, Bottleneck model, Departure time

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