

عنوان مقاله:

Investigation of Pedestrian's Gap Acceptance behavior at Crosswalk

محل انتشار:

سیزدهمین کنفرانس بین المللی مهندسی حمل و نقل و ترافیک (سال: 1392)

تعداد صفحات اصل مقاله: 13

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خلاصه مقاله:

Walking is one of the main transport modes and is more sustainable to humansociety. Pedestrians need safe facilities to be utilized accordingly and facilitatetransportation with adequate speed. Issue of safety are of great importance forvarious kinds of crosswalk in which movement of pedestrians interacts withvehicles. One of the effective parameters of safety in different kinds of crosswalkis the issue of pedestrian's gap acceptance encountering with vehicles. Investigating pedestrians' gap acceptance, parameters such as age, gender, lengthof vehicle, start-up lane (slow/fast) and waiting time have been obtained andmeasured by filming and questionnaires in this study and an acceptable model ofpedestrians' gap acceptance has been devised. Results of this study suggest thatparameters of gender, start-up lane (slow/fast) and waiting time have significanteffects on gap acceptance. Critical gap also has been computed by relationspresented by HCM and has been compared with amounts obtained by the devisedmodel .in this study

کلمات کلیدی:

pedestrian, gap acceptance, crosswalk, critical gap

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