



پنجمین سمینار بین‌المللی کاهش سوانح ترافیکی

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به این وسیله گواهی می‌شود:

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در پنجمین سمینار بین‌المللی کاهش سوانح ترافیکی، چالش‌ها و راهکارهای پیش‌رو که در تاریخ ۶ و ۷ اسفند ماه ۱۳۹۳ توسط

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Assessment of sidewalks Environmental Safety: A Case Study – Kish Island

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Abstract

Background: The growing trend of urbanization and the need for management and safety of citizens, safe urban design has been placed on the agenda of managers and urban planners. Safe environment for pedestrians' paths, who are as one of the main victims of accidents in urban environments, should be included in the design of new urban. But the need for monitoring and modification of environmental quality index in this regard should also be present on the paths and streets.

Kish Island as one of Iranian Islands in Persian Gulf, based on recent government policy, is one of the most important commercial, industrial and tourism free zones which is annually receptive to the hundreds of thousands of Iranian and foreign merchants and travelers. Therefore, due to the economic prosperity of the island and also a growing trend in tourism, monitoring and evaluating the environmental design index of pedestrians' paths, which are as sustainable development indicators of tourism, have the utmost importance.

Methods: The purpose of this paper, from the perspective of applied research and data collection, is descriptive survey based on cross-sectional survey and from the perspective of the information, it is also qualitative. The study was designed to evaluate the parameters of urban pedestrians crossing paths on the Kish Island; Niyayesh Boulevard as a pilot and based on PEQI monitoring system classification has been evaluated. In evaluating the urban design indicators of pedestrians' paths at Niyayesh Boulevard, parameters such as width, surface conditions, continuity and pedestrian barriers, guards and buffer of pathways as well as the number of intersections of pedestrians' paths and houses between Mir-Mohhana intersection and Niyayesh Boulevard has been monitored.

Results: The results of monitoring and evaluating the urban design indicators of pedestrian' paths in Niyayesh Boulevard, indicated that the relative quality level of this Boulevard compared to the sample and control path, is more than 87 percent on the average. This boulevard is composed of three pieces of intersections, which in order is limited to Mir-Mohhana, Sadaf, Morvarid and Niyayesh Boulevard that in order have relative quality level of 91.88, 88.44 and 81.25 percent in urban design of sidewalks.

Conclusion: As the results of evaluating the urban design indicators in Niyayesh Boulevard show, the relative quality level of this indicator was favorable which due to the necessity of providing environmental safety of pedestrian, is provided an appropriate conditions. But the need for planning complete safety for all citizens makes it necessary that to realize a safe urban environment for pedestrians, the promotion of environmental safety indicators in this Boulevard and other aspects of this island should be done and in future urban designing, establishment of these parameters should be considered completely.

Keywords: Pedestrians, Environmental safety, Urban Design.