

## **A Post-Occupancy Evaluation of Urban Landscape Greenway- A Case Study of the Taiyuan Greenway in Taichung City**

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**Abstract :** Greenway is a type of linear park which links the planar parklands and connects the open spaces. In the urban environment, except for providing open spaces with recreational function as well as effectively improve the appearance of the surrounding environment, greenway and parkland also creates benefits to the social and psychological aspects of human. In 2014, the statistics of The Ministry of Home Affairs show that citizens in Taichung enjoy the green area at an average of 4.27 square kilometers per person. How to use the existing green space system effectively and enhance the quality of leisure life thus become the major issues today. The study here points out that greenway and parkland and other open spaces are closely related to the daily life of urban residents. Whether the operation could be executed in accordance with the design is our major concern. To explore the issue, we implemented the Post-Occupancy Evaluation of Taiyuan Greenway in Taichung City. In 1956, Taichung city carried out the urban plan according to Howard's concept about "Garden City" and built the Taiyuan greenway to restrain the urban expansion. 50-year past, due to the population growth and new demands, the government started to reconstruct the program. It is a three stage modification project of "The Townspace Renaissance project in Taiwan" since 2009, of which the greenway construction is the main point. In this research, we mainly focus on the third stage of this program to investigate the user's preference and degree of satisfaction based on the Post-Occupancy Evaluation about the finished, unfinished, and undergoing construction sectors as well as facilities. We collected and analyzed the data based on the questionnaires and explored the possible facts that might have affected the degree of satisfaction about the greenway modification project based on the chi-square test. We hope to inspect the purpose of the demonstration projects and provide reference to the Taichung government for the modification planning and the greenway design in the future.

**Keywords :** greenway, landscape greenway, post-occupancy evaluation, Taichung city

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