도시공원 바닥포장의 디자인 개선에 관한 연구

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A Study on Design Improvements of Surface Pavement in City Parks

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Abstract

As cities continue to develop, people desire to fulfil their mental and cultural desires. So the demand for improving the city environment is more palatable than ever. The 'outer-space' physical element in landscape architecture has its own role to play in satisfying this demand.

The general frame of 'outer-space' is mostly based on land, plants, and formative factors, regardless of size, fixedness, or location. The space for leisure use is divided into three parts. The first is 'natural space' including mountains, rivers, and seas. The second is 'natural space with added artificial elements' such as parks and terraced land on the rivers, which are created to protect the natural space from probable damage and to make full use of the space as rest areas. The third is 'purposeful space' such as squares and parks with environmental and human facilities. They are the spaces made for the purposes of resting, recreation, and/or indicating the border of inside or outside of buildings. The ideal function of the elements of outer space is not only providing beauty, but also playing an important role in determining the atmosphere of limited space like parks.

With the rapidly changing social norm, the design period tends to get shorter and shorter, and the recent trend is to use materials with high quality and diversity. However, the design of pavement in city parks has not been remodeled. Great improvements to facility maintenance, repair work, and plant preservation in parks have been made, but the issue of remodelling pavement has hardly been considered. Given that the type of pavement can give comfort or stress to the people visiting parks, it plays an important role in park design.

This study is to design and create surface pavement for improving the outdoor spatial quality of city parks. The specific goals and objectives of this study are : to develop design criteria for creating user-responsive outdoor space, based upon the research findings drawn from site survey and analysis focusing on the surface pavement in city parks ; and to make specific design recommendations, if there is room for improvement, for improving the outdoor spatial quality of city parks. This research study focused on surface pavement in 3 city parks (Seonyu Island, Seoul Forest, World Cup Park) such as overall image, arrangement of pavement, design and pattern, material, and color.

With this background, and with survey and analysis, this study will suggest design changes to pavement in order to make the public space of the city park more satisfying and comfortable to its users. Findings obtained from this research study could be used in the designing of future projects in order to get a better understanding of the needs of users. The changes in order to meet users’ needs and to improve the spatial quality of the city parks should be implemented.