



## Abstract

# Gyeongin Line Bucheon Section Upper Space Usage Plan

When using the upper space of Bucheon section of Gyeongin Line, it is desirable to target the Bucheon Station, which has the largest number of passengers with 81,410 passengers per day. In addition, it is advisable to promote it as part of an urban regeneration project to improve Jayu-market parking environment adjacent to Bucheon Station and to provide resting areas for visitors. Baekun Station and Oryudong Station in Gyeongin Line used the upper space of the railway to create a park, but it should also consider ways to offer community facilities and parking lots.

In this study, we proposed a complex use of park, community facility, and parking lot as an alternative way to use railway upper space. The floor area is 6,694m<sup>2</sup>(3rd floor 4,512m<sup>2</sup>, 4th floor 2,182m<sup>2</sup>) with 60 parking lots. We planned the location of market labs and residents' facilities using food materials from Jayu market. Project cost range between ₩26.42 billion to ₩32.13 billion.

It is important to secure national budget to cover project cost. They can secure the national budget by proposing a parking environment improvement project managed by the Ministry of SMEs and Startups to revitalize traditional markets. It is advisable to promote the project in link with the Bucheon Station Upper Space Usage Plan when the Bucheon Simgokbondong Urban Regeneration Activation Plan is in progress.

To carry out the project, feasibility study should be conducted and later reflected it in the mid-term financial plan in Bucheon-city. In order to promote the utilization of the upper space in Bucheon Station, it is necessary to contract with the Korea Network Railroad Authority for commissioning and entrusting business agreements.

**Keyword** Gyeongin Line, Bucheon Station, Upper Railroad Space, Complex Use, Urban Regeneration