

Hanabatake Station and its surrounding continuous grade separation



Ordering party : Nishi-Nippon Railroad Co., Ltd.

Location : Kurume City

Project Summary :

- Elevated railroad tracks
- Elevated station house

Structure : Reinforced concrete rigid-frame elevated bridge

Length : About 2km

Width : 9.4m

Station house :

- Total floor area : 4,475.19 m²
- Railway area: 6,562.93 m²
- Area for shops: 8,284.36 m²
- Length:
 - 2 sides + 4-line platform
 - 200m

Width : About 12 to 31m

Floor : 3 F aboveground

Height : 17.42m

Project approval : March 11, 1996

Time of change to elevated system : Oct. 17th, 2004

Time of services : Sep. 1998 to March 2006

The area around the Nishi-Nippon Railroad's Hanabatake station has high potential for development because it is located along the main arterial road in the southeast portion of the central commercial district of the Kurume City.

This joint project has been advanced with the land readjustment project to integrate the traffic system and the east and west districts that are separated by railway, developing a new conurbation area that connects the central commercial district. The Hanabatake and Shikenjyoumae stations were elevated at the same time as the railroad tracks of 2km from the current Kurume station.

For the wide-scale Hanabatake station, we adopted two types of the elevation systems; (1) Track elevation over line system for the area between two support pillars (one span) on the west of the station, (2) Elevated temporary track system for the rest of area

The elevated Hanabatake station equipped with 2 platforms serving 4 tracks can be used for 10-car sets and limited trains. The bicycle parking lots were arranged on the first and second floors, and the covered deck at the side of the elevated bridge to improve convenience. A large-scale shopping area was placed in the station with an aim to bring more people around this district.

The exterior of the station was designed to create a lighted and open environment based on the Miminou mountain chain and river waves of the Chikugo River. The station plaza and service roads developed with construction of a new station is creating a new urban area.