

Sentan Iryo Center Mae Station (Kobe New Transit Co., Ltd)



Ordering party : Planning and Coordination Bureau of Kobe City, New Transit Construction Office

Location : 2-chome, Minatojima Minami-machi, Kobe

Facility size : Length: 67.2m

Width : 12.9m

Pier span : 16.8+25.2+25.2m

Structure :

- Superstructure : Steel simple girder bridge with RC deck slab
- Pier : Steel rigid-frame pier
- Base : Steel pipe pile for inner excavation -Diameter : 1000

Services : Detailed Design

Design period : April 2004 to March 2002

The existing Port Liner of the Kobe New Transit was extended for access to Kobe Airport. Sentan Iryo Center Mae Station - a new station to be built on the extended area - is composed of the island platform with 2 stories serving 2 tracks. There is no pillar used at the platforms because a dynamic shed frame is supported by a 2-story concourse and the horizontal support beam of the track beam.

In addition, the steel pipe piles, which are resistant to consolidation settlement of the remaining soil, are adopted because the station is located on the ground filled during the second-phase construction of the port island.

Constructions and civil engineering works were jointly conducted by the companies of the Nikken Sekkei Group.