

## Onawaba-ohashi



**Ordering party** : Gifu Prefecture

**Location** : Higashishima, Gifu City

**Construction** : Road bridge (first class bridge)

- 3-span continuous girder
- PC hollow slab-bridge,  
Double Simple span composite box-girder
- 4-span continuous girder

**Length** : 492.9m (Designed area)

**Width** : 20.0m (Roadway 7.25X2, Sidewalk 2.25X2)

**Span** :

- 3 @ 25.0m X 2, 57.2m
- 63.0+76.0+76.0+63.0

**Completion** : 1992

**Awards** : 1995, Gifu City' s beautiful landscape award



In the urban planning road project that includes construction of bridge girders for the Nagara river flowing in the Gifu city, we designed the area between the attaching area on the right bank and the cross point of this bridge. Up and down roads are separated on the bridge. Based on the image of a calm and gentle river – Nagara non-uniform girders were arranged. And also, we adopted the round wall bridge piers with a soft taper, and the elliptical pneumatic caisson piers for the bridge foundation system because of boulder chennery. For substructure for the attaching area on the right bank, a reversed-T type abutment, wall type pier, and steel pipe pile base were adopted.