Yamamotosakae Bridge

Ordering party : Construction Bureau of Sapporo City
River : Atsubetsu River (1st class river)
Road : Arterial road No.13
Road standard : Type 4, 2nd class
Traffic flow volume : B
Design live load : A
Bridge length : 75.2m
Span length : 19.9+33.8+19.9=73.6m
Total width : 16.8m (3.5(Walkway) x2+9.0(Roadway))
Longitudinal slope : 3.5% parabola, VCL=85.0m
Angle of skew : 80°
Superstructure : 3-span continuous non-compositional slab girder
Substructure : Reversed T-type abutment, Elliptical wall-type pier
Foundation : Steel tube soil cement pile
-Abutment: Φ1000(Φ800), Bridge pier: Φ900(Φ700)
Coefficient of importance : B class bridge (Seismic capacity : 2)
Baring type : Horizontal force distribution bearing (Type B)
Railing : Guard fence for cars and pedestrians (SP type)
Completion : December 2009
Design : Cooperative design with Hokkaido Nikken Sekkei

This bridge was built when the arterial road No. 13 was developed and is located in the northeast of Kawashimo Park, about 22m down the stream of former bridge which crosses the Atsubetsu River, the first class river flowing on the border between Shiraishi-ku and Atsubetsu-ku.
In winter of the first construction year, abutment and bridge pier at the right bank were developed and in the following year, those at the left bank were constructed, then, superstructure and deck pavement in the final year. At the same time, revetment was also developed using the large connecting blocks at high and low water channels.