Shinryu Aqueduct Bridge



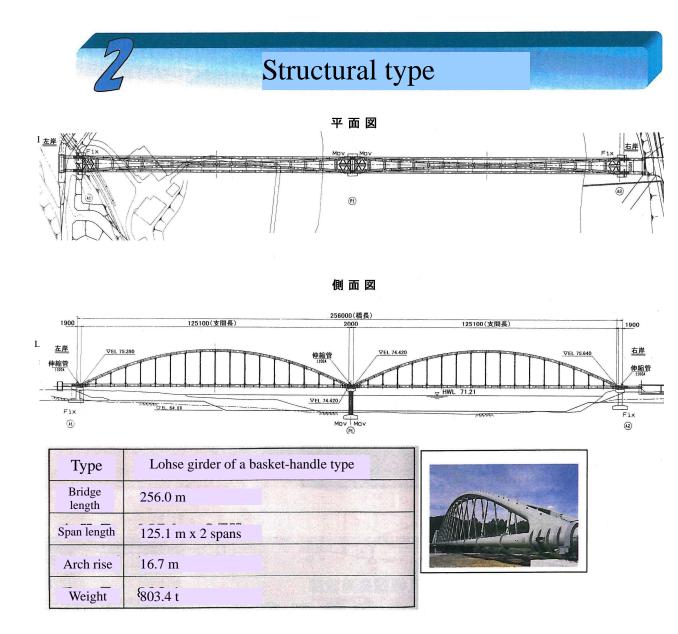


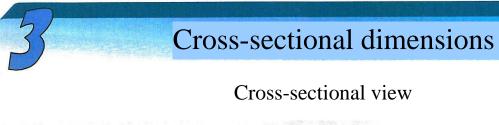
Water and farmland protection Midori Network Shinryu

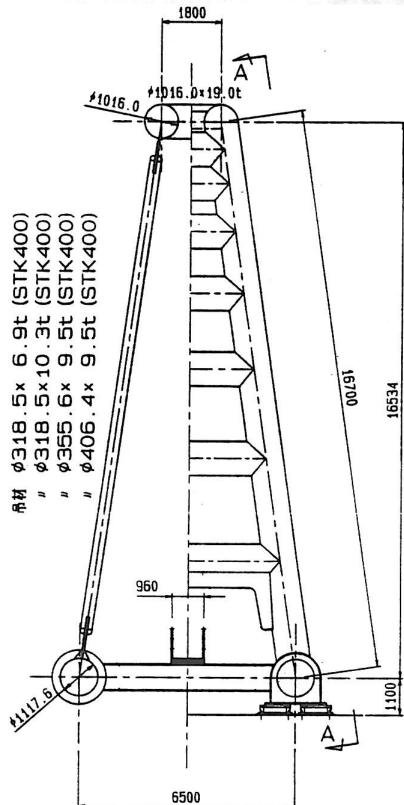


This project covered 12,000 hectares of rice paddies stretching over the Kitasorachi Region situated in the middle reaches of the Ishikari River, and included Moseushi Town and the cities of Asahikawa, Fukagawa and Takikawa. It aimed to create an agricultural area of stable production and high productivity through stable irrigation and drainage. Specifically, steps were taken to improve superannuated irrigation and drainage facilities, such as head works and irrigation canals, and to reinforce their functions.

Of the Naidaibu Main Irrigation Canal (area: 378 ha, discharge: 1.96 m³/s, length: 3.7 km) developed under this project, the Shinryu Aqueduct Bridge, which crosses the Ishikari River, was completed in FY 1999 as one of the largest water pipe bridges in Hokkaido.

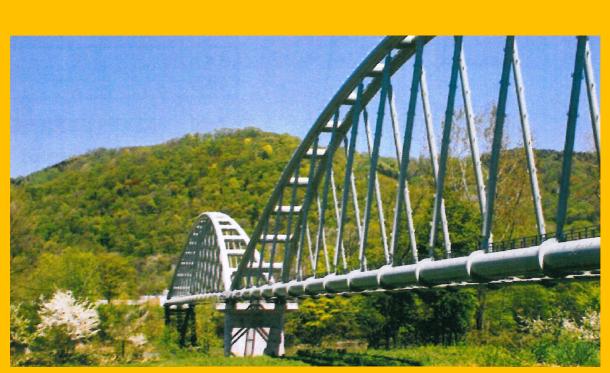




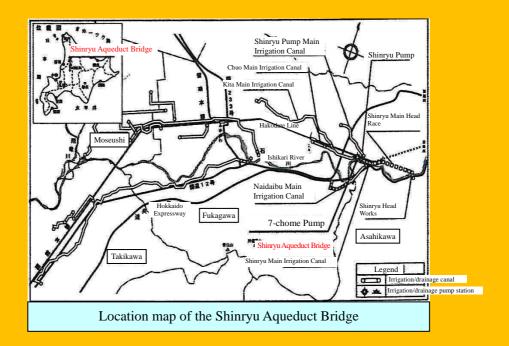




Name	Cross section	Joints
ottom chord member water pipe)	Ø1117.2x16.0t . 19.0t.22.0t(SM400)	Both-side butt welding
Arch member	¢1,016.0×16.0t.19.0t.22.0t (SM400)	Bridge spot welding
Suspension member	\$318.5×6.9t. 10.3t (STK400) \$355.6×9.5t (STK400) \$406.4×9.5t (STK400)	Bridge spot welding
Cross beam	H300×800×12×9 (SM400)	HTB joints
Upper chord member	¢1016.0×19.0t (SM400)	Bridge spot welding
Bottom lateral bracing	CT118×176×8×8 (SS400) CT95×152×8×8 (SS400)	HTB joints
dge collapse revention equipment	Ø76 PC cable	
Expansion pipe	Ø]]]72X]2t (Closer joints)	Single-side back-chippi g welding
Cat walk	Grating (F425) 900×25×995	



Distant view of the Shinryu Aqueduct Bridge





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