

# Nedujinja Shrine Bridge

## Why stainless?

- Good mechanical properties
- Durability.

## Fabrication process:

Shaped and welded stainless steel rebar.

## Grade:

EN: 1.4005 (AISI: 420).

## Manufacturer:

NSSC Hikari, Japan (ns-sc.co.jp)



In the reconstruction of the bridge at the Nedujinja Shrine, grade 410 stainless steel rebar was chosen for its durability as a reinforcement material in concrete structures.

A ferritic grade was selected over an austenitic grade because of its low thermal expansion properties and low cost. About 1.2 tons of stainless steel was used in the bridge.

Images courtesy of JSSA, Japan.

