

Research on the Evaluation of the Soundness and Service Life of Gate Systems

The corrosion of water gate exposed to the river environment has a big influence on strength and the life time of water gate. In the theme the exposure examination is performed using stainless steel material of the austenite. From the experiment we can see the relationship between the material and the installation environment and the corrosion speed clearly. Then we propose the method evaluating the relationship between the rust and strength.

Key words : gate equipment, corrosion, strength, stainless steel, exposure examination