

Client: Wessex Water
Project Title: Monkey Island Hotel
Value: £316,000
Completed: January 2018 to January 2018 (install)

Introduction

Beaver Bridges Ltd were awarded this Full Turnkey Package under contract NEC3 ECC Option A conditions. As part of a major refurbishment the aim of this project was to remove the existing dilapidated suspension bridge and its footings; and replace it with a new footbridge, linking the Island to the mainland. The access to this site was restricted and particularly tight. We had to strengthen existing road bridges and upgrade over 3km of approach roads in order to make it safe for the required 400te crane. The arrival and sequencing of 7 ballast waggons, had to be carefully managed to meet the rigging requirements of the crane. Manoeuvrability of vehicles and deliveries were also safely managed.

The Structure

We were responsible for the design, manufacture, installation and associated ground works of a 60m all steel footbridge including 2nr intermediate support frames on new piled concrete foundations. The bridge had a paint finish and a resin coated aggregate non-slip applied to the deck and lighting to the handrails. Our Client was delighted with the works and the end product.

All criteria were met, on time and performed safely.

