



Historic England

Civil & Structural Engineering Team

Reconstruction of the Sham Bridge

Comments Re-draft Specification Notes



Amendments

Revision	Amendment	Date	By	Checked	Approved
Draft	First Issue	19/12/2017	SP	TBC	TBC

I would comment as follows using the same reference numbers, with respect to the draft specification issued

Part 2: Materials & Workmanship

Ref. 2.1.5-2.1.6. The construction of a temporary dam

A temporary inflatable cofferdam should be considered. A “Geodam” or similar system can be supplied by a company called “**Murlac**” who will provide a hire and installation service

Ref. 2.4 Concrete and Steelwork

Concrete Specification Generally to BS 8500-2

Mass Concrete to be a grade C20/25 with 20mm aggregate

Reinforced Concrete to be grade RC35/30 with 10mm aggregate Minimum cover 100mm to all buried steelwork

Stainless Steel angles to match existing.

Stainless Steelwork is to be grade 1.440 (316) in accordance with BS EN 1993 1-4 2009.

Stainless Steel bolts/fixings to be grade A5-80 in accordance with BS EN ISO 3506 1-2 2009(E)

Ref 2.5. Carpentry and Joinery

Structural Softwood generally to have a design strength equivalent to a grade C24

I would propose a hardwood timber called “Ekki” for the main posts which would be extremely durable and suitable for marine construction work.