

**Menagerie Wood Footbridge
Repair Specification**

**As agreed with Wakefield Conservation Officer in January 2011
Under the Upper Lakes Restoration Project which falls within
the Curtilage of Bretton Hall (Grade II*)**

Report R556-002

B5 BRIDGE 5 MENAGERIE WOOD	
<i>Brief description:</i>	Narrow single span arch bridge between steep banks.
<i>Additional inspections required:</i>	Check for scour beneath abutments.
<i>Key defects:</i>	Tree trunks growing above arch barrel and through spandrel walls.
<i>Initial estimate load capacity:</i>	Pedestrian use only due to width.

SCHEDULE OF WORKS BRIDGE 5 MENAGERIE WOOD				
Item ref	Description of work	Quantity and unit (m, m ² , m ³)	Rate £	Tender Cost £
1	Take up coping stones approx 3m long in two locations (3m to one side of bridge and 3m to other side). Take down approx 8 sq m loose stonework where displaced by tree roots (4 sq m to each side of bridge), ensuring that each panel is carefully sketched and the stones numbered for re-use in their original locations. Coping stones also to be numbered for rebidding in original locations. Cut out roots within stonework. Take out fill behind stonework (allow at tender stage for 15 cu m) and store on site, and relay behind rebuilt sections in 150mm layers carefully compacted. Relay all stones and copings in 1:3 lime sand (NHL 3.5 lime) and neat flush joints.			
2	Scrape off soil and loose materials from top of bridge.			
3	Brush off all lichen and moss to expose stonework for inspection.			
4	Allow for raking out and repointing 20 sq m of stonework as directed in areas not exceeding 1 sq m. Mortar to be 1:3 lime sand with NHL 3.5 lime. Depth of raking out to be not less than 25mm and joints to be flushed out with a soft brush and clean water.			