

## Appendix A: Kelsey Park Replacement Bridges (Options Appraisal)

### Location of Existing Bridges



### Description of Existing Structures

#### Footbridge A

Footbridge A provides pedestrian access across a shallow stream and is located at the north end of the large lake in the park. The footbridge is approximately 9.7m long and 1.9m wide.



### *Footbridge B*

Footbridge B provides access across the southern section of the Lake in Kelsey Park. It is approximately 17.6m long and 2m wide.



### **Description of the proposed replacement**

Committee Report ES20224 recommends that the Council proceeds with *Option 2* presented within whereby Footbridge B is replaced with a like for like timber structure. This solution would be an all-timber footbridge with the design features that include:

- Ekki hardwood dowel laminated beams
- The footbridges to be cambered on a continuous vertical curve.
- A deck composed of Ekki deck planks treated with a non-slip system called Hi-Grip Excel (two strips of resin/bauxite inserted into grooves of deck).
- Parapets with a height of 1.4m also made of timber Ekki with vertical infill spindles.
- All timber to be hardwood and with natural finishes.
- A similar feature of natural wood as the current footbridge.

CTS Bridges was the specialist proprietary bridge superstructure fabricator and supplier for indicative prices for the work using their experience of similar constructions (<http://www.ctsbridges.co.uk>)

An example of a similar bridge is shown in the below image, however please note that there is no specific requirement for aesthetics within this project.

