

Our Ref: 16944 F1 QT 150911
Date: 11th September 2015

Paul Gibbs
David Jarvis Associates Ltd

Dear Paul

Re: 5.5m x 3m Softwood Timber Footbridges, Kingsmere SL8

Further to your enquiry revised regarding the above scheme I have pleasure in offering you the following information and revised quotation for the bridge to accommodate a compact tractor and trailer with a maximum GVW or 2.5 tonne. We have had to use Ekki Hardwood in Lieu of European Redwood Softwood for the beams and deck to allow vehicular access.

General Specification – 2.5 tonne GVW

Overall Length :	5.5m
Clear width between parapets :	3.0m
Design live load :	5kN/m ² Design checked to take maximum 2.5 GVW.
Structural form :	Ekki hardwood main beams - Beams will be flat (not cambered)
Parapet :	European Redwood -Type B (post and 3 rail) – All edges have a 6mm radius round over - Height 1.4m - Not Vehicular Restraint
Deck :	Ekki hardwood 300x45mm – Hi-Grip Excel (two strips of resin/bauxite inserted into grooves of deck)
Protective system :	All hardwood – natural finish All softwood to be vacuum/pressure treated in accordance with BS EN 351-1 for Hazard Class 4 as defined in BSEN 335-1 for a desired service life of 30 years with preservative tested in accordance with BS EN 599-1
Additional items :	Holding down brackets and bearers included A parts list, assembly drawing & assembly instructions will be provided. All fixings are included All components are pre-drilled for quick and easy assembly on site Customer supplied drawing – NO

FSC timber has been specified and this will be supplied as FSC Mix 70%. CTS hold a FSC Licence No: FSC-CO17620 & Chain of Custody Certificate No TT-COC-002257 for the supply of FSC timber.

delivery vehicles we would need a site plan so we can establish a sequence of works and offer any savings associated with this.

Design

All design work will be undertaken by Chartered Civil and Structural Engineers experienced in bridgework design.

The structure will be designed for a vertical uniformly distributed live load of 5kN/m².
A point load of 3kN will be considered acting on a 200mm x 200mm square in accordance with BS EN 1991-2:2003 Cl 5.2.3 (2) - *(note this is a departure from BS EN 1991-2:2003 Cl 5.3.2.2(1))*

The softwood bridge parapet will be designed for 0.7kN/m load. If a 1.4kN/m load is required we can amend the design to incorporate hardwood parapets although this would have a cost implication. This is not Vehicular Restraint.

It is assumed that bollards/signs are positioned at each end of the bridge to prohibit unauthorised / overweight vehicle accidental loading. These bollards/signs do not form part of our quotation.

All timber will be designed to BS5268

Material Specification

CTS "Hi Grip Excel" is a factory applied non slip insert comprising a polyurethane resin base with aggregate overlay. It complies with the requirements of BD 29/04, Design Manual for Roads and Bridges; Design criteria for footbridges – Part 8, to achieve a mean corrected pendulum test value of 45 units.

Installation

1. Our price for installation assumes safe access (including public highway) is available for suitable Hiab delivery vehicle to immediately behind one abutment and that the ground is suitable or made suitable by others at this position for the outriggers of the vehicle.
2. Should this access not be available we would need to use a separate crane at additional costs to be agreed. This same safe access (including public highway) must also be suitable for the crane and the area must be capable of supporting the weight of both crane and delivery vehicle. As such any traffic management required is assumed to be by others.
3. Suitable abutments in both geometry and load carrying capacity to support our superstructure (imposed loads from our superstructure would be supplied by CTS) to be designed and constructed by others.
4. Any services above or below ground affected by our operation are to be identified and protected/made safe by others.
5. Any negotiations with third parties assumed by others.
6. Each lift is assumed to be undertaken on a single normal weekday.
No allowance for adverse weather conditions such as wind in excess of 11m/sec or such that the lift cannot be undertaken have been made in the price for installation.
7. Normal weekday delivery has been assumed.



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CTS would provide 'competent person' as defined by BS 7121 and certified 'slinger/signaller' together with Risk Assessments, Safe Methods of Working, and Method Statement for CTS areas of responsibility.

Payment Information

All the above prices are NETT and assume payment within 28 days of invoice date for account holders.

No retention has been allowed for in this quotation.

The quote remains valid for 60 days

Our quotation does not include for any liquidated or general damages to be applied.

Programme

Delivery would be approximately 6-8 weeks from receipt of order.

This programme does not make allowance for the work load within our factory operations at time of placement of order.

This price is based on our standard terms and conditions, a copy of which is available on request.

We hope this is in line with your expectations and look forward to your further instruction.

Yours sincerely

Michael Naylor
Quantity Surveyor



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responsible forestry
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