



CDM Key

Indicates a residual risk requiring a compulsory action

Conveys information about a residual risk

Indicates a residual risk requiring a specific action to be avoided

Warns of a residual risk or information that is unusual and cannot be designed out

General Notes

1.

All dimensions in millimetres. All levels in meters.

2.

This drawing to be read in conjunction with other scheme drawings if applicable.

3.

This is a CAD produced drawing and should not be amended by hand.

4.

Do not scale from this drawing, work to stated dimension only. If in doubt, ask.

5.

Structure designed in accordance with BS EN 1993-2 Bridge Design.

Design

1.

Geometry; (Basis of design as per BS EN 1990)

2.

Bridge length = 35.72m

3.

Clear width = 2.500m minimum (Between parapets)

4.

Overall bridge weight = 24t (Steel = 21t)

5.

Loading; (Loading as per BS EN 1991, resistance as per BS EN 1993)

6.

Live load (UDL): 5.0kN/m² (For smaller loaded lengths)

7.

Live load (UDL): 4.7kN/m² (For full span loaded lengths)

Reinforced Concrete

1.

Concrete to be in accordance with SHW 1700 Structural Concrete.

2.

Concrete to be:

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Exposure Class: XD3

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Min compressive strength = C28/35.

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Max w/c ratio = 0.45

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Minimum cement or combination content = 360kg/m3

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Design Chemical Class: DC-1

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Min. concrete cover = 50 + Δc = 65mm

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Cement/comb type: IIIB, IVB-P, IVB-Q, IVB-V

3.

Chamfers to be 25x25 unless stated otherwise.

4.

The bridge superstructure shall not be installed until the concrete has cured for 3 days.

5.

The bridge shall not be trafficked until the concrete has cured for 28 days.

C01	Issued for Construction			ED	BKD	02.06.23
P01	Tender			AK	ARH	31.03.23
Rev	Description			Chkd	By	Date

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BEAVER

BRIDGES

Client

Yorkshire Dales NPA

Project Name

Cross Keys Footbridge

Drawing Title

General Arrangement

North and South Bankseat Details

Start Date	Drawn Author	Designed Designer	Checked Checker	Scale
				1:20

Drawing Status	Page Size
AFC	A1

Drawing No	Rev
BB1543-01-1700-XX-0011	C01