



Modular Steel Bridge Supports Forestry Operations in Scotland

Acrow's solution was easily assembled and installed at remote Scottish Borders site

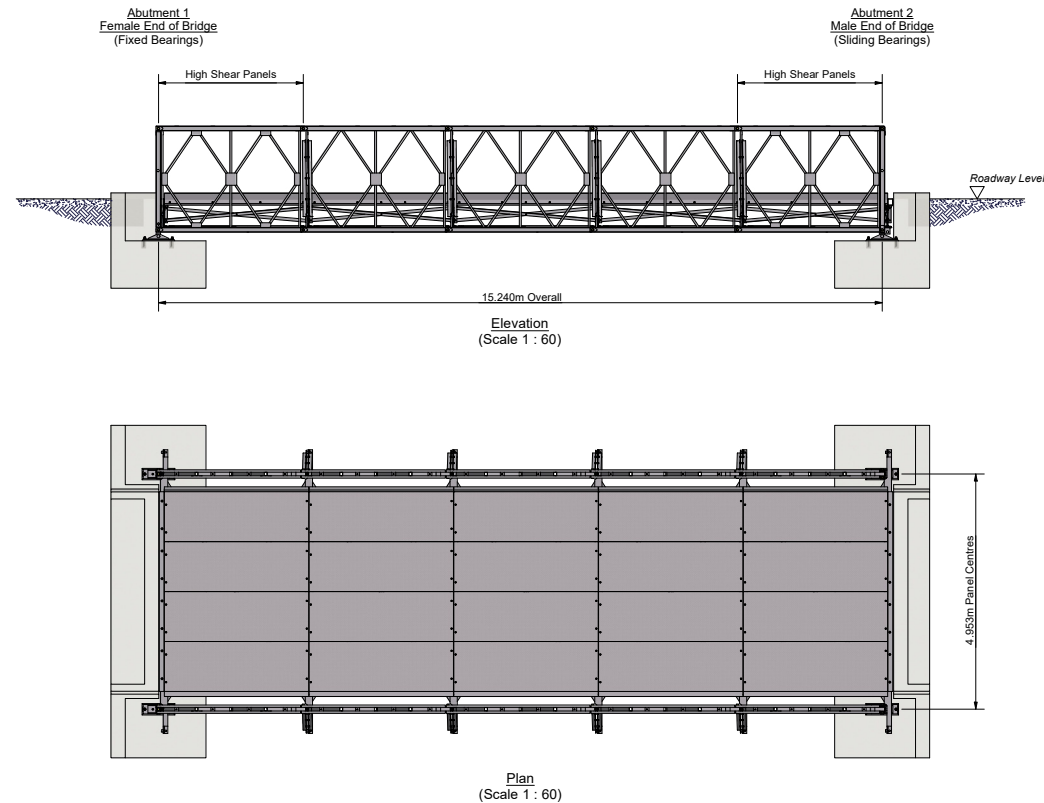
As part of a forestry project in the settlement of Tushielaw, west of Hawick, Scotland, a new crossing was needed from the B711 over Rankle Burn to provide access for personnel, heavy machinery and lumber. Owing to the long and successful track record of modular steel bridging in forestry operations, a cost-effective, rapidly installed Mabey Compact 200® (C200®) bridge from Acrow was selected.

Purchased by Euroforest the five-bay structure has a length of 15.25 metres and a width of 4.2 metres with a Durbar deck surface. Designed to HA Loadings as per BS5400-2:2006, the bridge was lifted into place with a 100t crane.

Acrow's rugged modular bridges are specifically designed to meet the demanding conditions of forestry applications. With operations often located in remote areas and requiring access for heavy machinery, prefabricated bridges provide

a durable and practical solution. Manufactured from high-quality steel, all components are fully galvanized to withstand harsh weather and prevent corrosion, ensuring minimal maintenance. Engineered for high load capacities, they can support even the heaviest forestry vehicles and equipment. Their modular design allows for efficient transport across challenging terrain and rapid installation in constrained build areas, reducing both costs and environmental impact. For temporary applications, precision engineering enables quick disassembly and reassembly as project needs evolve.

With a service life of 100 years or more, Acrow's modular steel bridges offer governments and contractors a cost-effective, environmentally-friendly solution for both temporary and permanent forestry infrastructure.



Specifications

Bridge length:

15.24m

Roadway width:

4.2m

Deck surface:

Durbar steel plate

Bridge erection method:

Crane lift in

Design load:

HA

Mabey C200® bridge finish:

- All major components galvanized to BS EN ISO 14713 and BS EN ISO 1461
- All bolts are spun galvanized to BS EN 1461
- All pins are electro-plated in accordance with BS EN ISO 2081

Mabey C200® bridge specification:

- (A) Panel components to BS EN 10025 Grade S450J0 and Grade S355J2

- (B) Transoms to BS EN 10025 Grade S460M or Grade S355J2

- (C) Deck components to BS EN 10025 Grade S355JR and BS EN 10149 Grade S460MC

- (D) Ancillaries to BS EN 10025 Grade S275JR minimum

- (E) Panel pins to BS970 Grade 709M40 or 708M40

- (F) Bolts to BS 3692, BS14399, DIN 912, DIN 267, DIN 931, BS1083, EN8, EN3, EN15 and ISO898