



Modular Bridging Solution Provides Access For Welsh Whisky Distillery

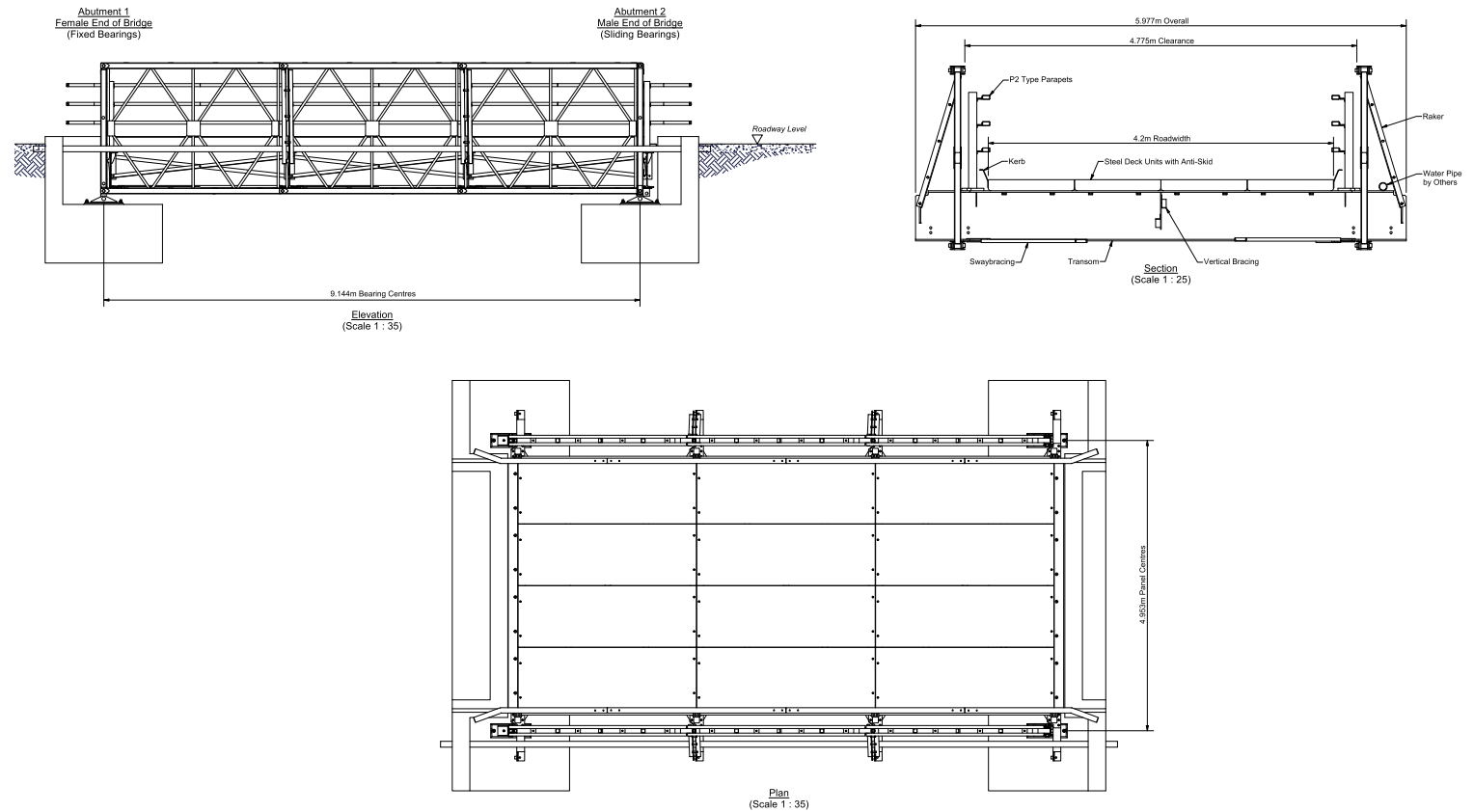
Rapid replacement of ageing concrete bridge maintains business in rural area

Aber Falls Distillery sits at the foot of the famous Aber Falls waterfall, at the gateway to the National Park of Snowdonia. Originally a slate works in the 19th century and later a margarine factory, the now drinks wholesaler is well known for its specially crafted whisky using Welsh ingredients from the surrounding areas. Prior to 2021, an old steel beam and concrete bridge over a river was the only access point to the distillery. When this bridge became at risk of collapse, as a result of flood damages to the bridge abutments, it was vital to replace the structure as quickly as possible for safety and commercial reasons.

Modular steel bridges are versatile, configurable, and easily transported in standard containers, making them the perfect

solution for projects in rural areas. The new single-span bridge was lifted into place by a 75t crane. Measuring 9.14 metres long by 4.2 metres wide, the new Compact 200® (C200®) solution boasts P2 parapets and anti-skid decks – ideal for vehicle and pedestrian access.

Thanks to the collaborative efforts of the installation team and Wolfenden Engineering, with the expertise of a specialist Site Advisor, the bridge connection was restored in 2 days. The Aber Falls Distillery is now safely accessible to both employees and visitors to the site. The decision to purchase a modular bridge proved beneficial to the client, as the ease of assembly of the components and quick installation ensured minimal disruption to business.



Specifications

Bridge length:

9.14m

Roadway width:

4.2m

Parapets:

P2 parapets

Deck surface:

Anti-skid epoxy aggregate

Bridge erection method:

Crane lift in

Design load:

BS 5400:2006 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