

Fabien Way Bridge – Swansea, United Kingdom



**Type:** Roadway

**Location:** Swansea, United Kingdom

**Completion Date:** November 2007

**Owner:** City & Country of Swansea

**Architecture:** Studio Bednarski Ltd

**Engineering:** Flint & Neill Partnership

**General Contractor:** Alun Griffiths Ltd

**Steel Fabricator:** Rowecord Engineering Ltd

- Mast length – 43.15M
- Mast angle – 68° from horizontal
- Bridge length – 71.3m centres of bearings
- Bridge width 12.43m overall
- Deck skew – 65.469°
- Mast weight – 67 tonnes
- Spine beam weight (2 pieces 61t + 42t) = 103 tonnes
- Pedestrian deck – unit weights – 13t + 15t + 16t + 13t = 57 tonnes
- Vehicle deck - unit weights – 19t + 37t + 40t + 22 t = 118 tonnes
- Total steelwork weight = 344 tonnes

