

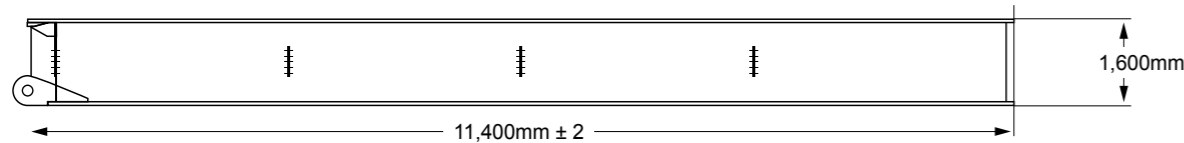
Basic Module (11.4m)

Two fabricated box girders of same length and type (Single Connection or Zero Connection) 11.4m, fully painted and ready for assembly with spacers, nuts and bolts, plus connecting pins and anchorage pads.

Box Girder

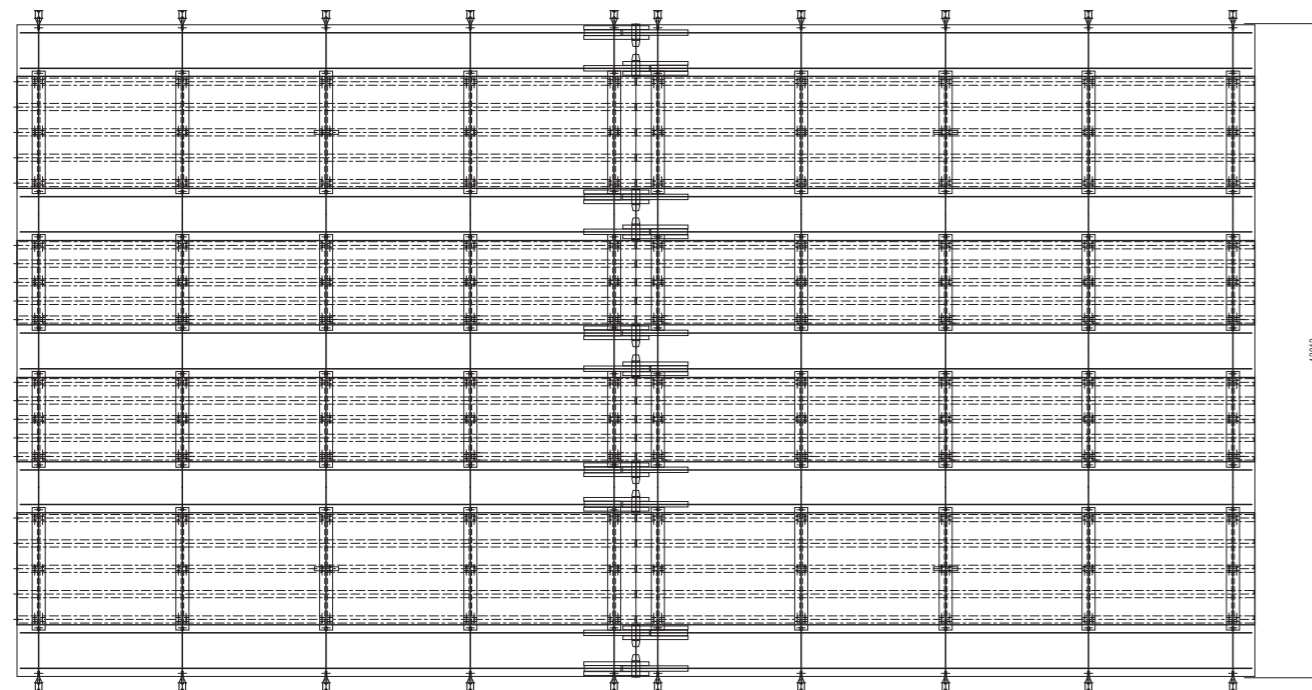
Single connection box girder

RD BM 114 SC



Deck

5 - 2 x 11.4m Box Girders H 1.60m = Total Length 22.8m + Total Width between barriers 12.0m



Weights

- Standard Box Girder H 1.60m Single Connection = 12,200kg (26,900lbs)
- Total weight Deck L 22.8m 12.0m Wide (2 x 5 girders H 1.60m + Spacers + Plankings + Barriers) = 176,000kg (388,000lbs)

For more information about Unibridge®, visit www.unibridge.net.au or email info@unibridge.net.au

CAPACITY UP TO 360 TONNES



A patented modular steel bridge construction system

UNIBRIDGE® Mining Solution Advantages:

- Capacity up to 360 tonnes
- Width between barriers: 12.0m
- Any length in spans of 22.8m
- Savings on transport costs, downtime, vehicle wear and tear
- Increase the efficiency of bulk transport
- Quick installation on pre-built abutments and piers
- Easily dismantled for use in other locations

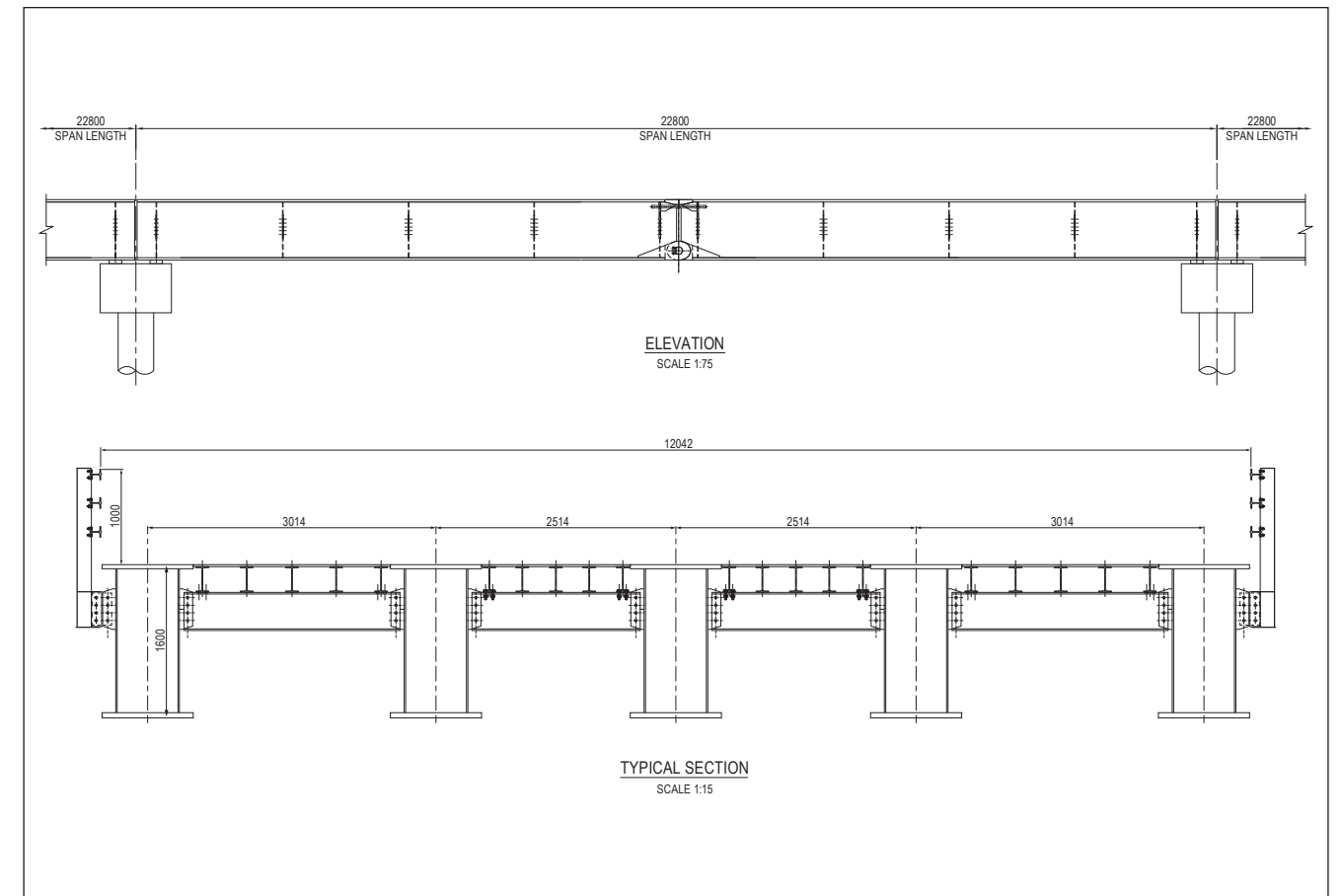


A Unibridge® road solution built in Bagdad in 2010. The Unibridge® Mining Solution will use the same principle for the abutments and piers.

UNIBRIDGE Mining Solution HDT has been developed to maximise delivery of minerals from satellite mines via roads to the crusher, utilising heavy duty dump trucks of up to 360 tonnes gross weight.

UNIBRIDGE Mining Solution HDT, with a width between barriers of 12m, can easily accommodate the widest and heaviest dump trucks currently available on the market at their usual operating speed. To optimise the efficiency of the trucks the UNIBRIDGE Mining Solution HDT reduces the variation of gradients on the track and therefore reduces the wear and tear on drive tyres, power trains and brakes.

Improve efficiency • Optimum speed • Maximum payloads



UNIBRIDGE® MINING SOLUTIONS

The drawing above explains the principle of this bridge based on several isostatique sections of 2 x 11.4m = 22.8m, able to carry the weight of the vehicles described at a speed of $\pm 65\text{km/h}$. For example, a site requiring a bridge of 110m will require 5 sections of 22.4m each, two abutments and 3 piers. In this instance the length of the deck will exceed the length required and the abutments will need to be adjusted accordingly.

The basic design for the abutments and the piers can be easily pre-engineered and adapted to the specific geotechnical details of the site.

Once the capacity of the satellite mine has been exhausted, the UNIBRIDGE® Mining Solution HDT can be easily dismantled and used again in another location, giving long term return on investment.