



BEBO Arch International AG

RECORD - BREAKING PROJECT

Precast Arch Bridge in Malaysia with Span Approaching 100 ft.



Project Description

The new administrative capital of Malaysia exhibits many outstanding engineering achievements. Among them the Prime Minister's Garden Bridge, the world's longest span for an overfilled precast concrete arch to date. Hume Industries (Malaysia) Berhad, who owns the exclusive license for the BEBO System in Malaysia, was the supplier of the precast elements for this bridge.

The bridge, which was completed in 1999, consists of three precast concrete arch spans. The center span of

84 feet is bounded by two side spans of 60 feet each. The carriageway width is 56 feet.

For this prestige project, the BEBO system was selected not only on the basis of its aesthetic appeal, but also because of its economy, its speed of installation and low life cycle and maintenance costs.



The E84T arch units, each weighing almost 26 tons, were field-cast at a location nearby and subsequently trucked to the site.



A construction worker is dwarfed by the magnitude of the structure.



Two cranes were used to lift the twin-leaf precast arch elements into place.



MSE (Mechanically Stabilized Earth) was employed for the spandrel walls.



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