

# Concrete Arch-Box Modular Bridge System 1993 NOVA Award Nomination 03

## CON – SPAN Concrete Arch-Box Modular Bridge System

The CON/SPAN Bridge system is a versatile precast concrete arch-box modular system that provides complete set-in-place construction of bridges with spans up to 36 feet. Each bridge is custom engineered, manufactured for specific site configurations, delivered, and installed in hours. The system is serviced by an established national network. The system utilizes the precast concrete arch-box shape to develop high strengths through a combination of soil-structure interaction and the inherent load carrying capacity of an arch. Vertical sidewalls are maintained to provide a large waterway opening with minimum headroom and a compact shape. CON/SPAN modular units accommodate a wide range of cover and live load conditions and allow backfill to be placed easily and quickly with heavy equipment. This precast modular bridge system is an alternative to conventional small bridge construction.

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