

Vehicular Bridges

for Accelerated Construction



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Vehicular Bridge Solutions

For over 40 years, Big R Bridge has built a solid reputation by providing professional support and innovative, high-quality steel bridge solutions throughout the United States.



All-Steel Modular Superstructures

Big R manufactures modular sections that allow for rapid installation in the field. These bridges are ideal for public works applications, as local crews using on-hand equipment can typically place the superstructure in one day. Superstructures can be fabricated with both square and skewed ends to suit any site conditions. Spans from 16' to over 150' are available in any width.

The All-Steel Advantage:

- ▶ Superstructures are pre-engineered and pre-fabricated in modular sections
- ▶ No waiting for concrete to cure
- ▶ Easy installation in rugged terrain
- ▶ Erection by local contractors or your own crew
- ▶ Shorter bridges can be erected with excavators
- ▶ Quick installation resulting in shorter road closures





Concrete Deck Option

When concrete decks are required, superstructures are manufactured with steel girders complete with shop-installed shear connectors and stay-in-place forms. After erection of the superstructure, rebar is installed and a concrete deck is poured by others.



ACCELERATED BRIDGE CONSTRUCTION

Big R vehicular bridges can be installed in a fraction of the time needed for most traditional bridge systems. Small, non-specialized crews often complete them within a day.

AISC Certification

Big R Bridge is certified by the American Institute of Steel Construction (AISC) for Simple and Major Steel Bridges with Fracture Critical and Sophisticated Paint endorsements. Specifying an AISC certified fabricator ensures a quality product will be manufactured for your project site.

Bridge Design

All bridge superstructures are designed by our in-house engineering team. We can also provide foundation design assistance when required.



Utility Bridge

Applications that require single lane access (14 and 16 feet wide) are ideal for our Utility Bridge. A variety of loadings from standard highway vehicles to off-highway trucks can be accommodated. With the bridge being shipped in two modules, installation is often completed within hours after the bridge arrives at the job site.





▲ IDEAL FOR REMOTE LOCATIONS

Big R vehicular bridges become even more economical in remote locations, far away from ready-mix concrete plants.



BIG R
BRIDGE

The Right Bridge. Built Right.

Greeley, Colorado

Fort Worth, Texas

Toll Free: (800) 234-0734

Phone: (970) 356-9600

Fax: (970) 356-9621

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An  Company

PRODUCTS AND SERVICES

- Modular Vehicular Bridges
- Pedestrian Bridges
- Detour Bridges
- Skyway Bridges
- Bridge Abutments
- Bridge Deck
- Super-Cor® Plate Bridges
- Bolt-A-Plate™ Structural Plate
- Dur-A-Span® Aluminum Structural Plate
- Precast Panel Retaining Walls
- Welded Wire Retaining Walls
- Bolt-A-Bin™ Bin Type Retaining Walls
- Sheet Piling
- Cattleguards
- Water Control Gates
- Guardrail Systems
- Corrugated Steel Pipe

The New Steel 

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