



Liberty Series Modular Panel Bridge



Permanent / Emergency / Temporary Modular Steel Bridges



The World's Most Adaptable Bridge

The "Liberty Series" All-Bolted Diaphragm Panel Bridge from U.S. Bridge gives you a wide range of flexibility allowing you to build and rebuild your bridge time and time again... in different locations, depending on your growing needs. For your next bridge project you may need to change the bridge length - the bridge width - upgrade the loading. Not a problem with Liberty. We have taken the complexity out of the selection process by providing you with carefully chosen configurations that have been developed to give you the very best options for your project.



Designed as a permanent structure, the Liberty Series Bridge can also be used as an emergency or temporary bridge. And when the time comes to move it, simply unbolt and move it in desired lengths to other locations. Comprised of 8' wide x 12' high welded panels fitting into top and bottom channel guides, the Liberty Series Bridge is easy to configure, install and maintain with no need for special equipment.

Liberty's floor-to-truss framing connections are engineered according to a lateral frame analysis method required in AASHTO LRFD Bridge Design Specification, Section 4.6.3.5. This framing arrangement promotes enhanced stability between the trusses and floor framing and provides an engineered advantage to internal rakers and braces, simplifying details and allowing for more rapid installation.

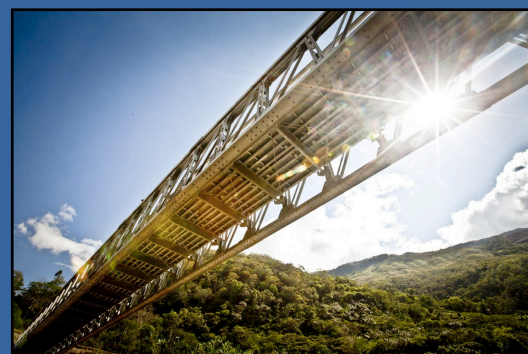


The Liberty Series Bridge has been load tested by the West Virginia University. Report available upon request.



Key Product Features

- Truly Modular - Can be used as a permanent structure or disassembled and used as a temporary or emergency bridge.
- Spans up to 200 ft. Single or multi lane options available.
- Pre fabricated and in stock for quick deployment.
- Available with checkered plate or anti skid epoxy flooring options. Can be customized for asphalt, concrete and timber decking.
- Designed for AASHTO fatigue requirements (2 million cycles), depending on your specified truck volume. Meets truck live load requirements for HL93, HS25, CL-625 and HA and HB British truck standards and EuroCode.
- Accelerated Bridge Construction resulting in reduced installation costs.
- All-bolted connections eliminate the need for any pins and the frequent maintenance required by other panel bridges.
- A built-in proportional camber of the system is designed within the splices to correspond to the bridge's span limiting deflection during service.
- Easy to configure, install and maintain with no need for special equipment.
- Can be launched or set with a crane.
- Fabricated from NEW domestic steel.



LIBERTY SERIES BRIDGE COMBINATIONS

Based on An Example

1 - 128 ft Bridge



OR
3 Separate

48 ft Bridge



32 ft Bridge



48 ft Bridge



OR
3 Separate

32 ft Bridge



64 ft Bridge



32 ft Bridge



OR
4 Equal Bridges

32 ft Bridge



32 ft Bridge



32 ft Bridge



32 ft Bridge



201 Wheeling Avenue, Cambridge, OH 43725

1 (888) 872-7434, Fax 740 439-7349

info@usbridge.com www.usbridge.com