



AIT BRIDGE SYSTEMS

ADVANCED INFRASTRUCTURE TECHNOLOGIES



....*Innovation thru Composites*

AIT Bridge System designs the next generation of bridges using advanced composite materials to provide high performance, cost effective, safe bridge solutions. Our goal is to improve the safety, efficiency, reliability, and performance of our nation's transportation infrastructure. Composite materials lead to faster construction and cost-effective rehabilitation of high quality, safe bridges.

AIT Bridge Systems uses advanced composite materials to provide a "high performance" bridge solution customized to meet specific needs of our clients.

Composite Arch System Components

Composite Arches-

From the Bridge-in-a-Backpack™ system developed for use in rapidly deployable bridge construction.

Composite Decking-

Strong, durable, corrugated composite decking. Designed to efficiently support traffic and earth loads.



We Offer A High Performance Bridge Solution

- Cost effective
- Sustainable
- Environmentally friendly
- Durable
- Safe and Secure
- Aesthetically pleasing
- Installation and inspection services
- Optimized foundation, structural and headwall design
- Financing



Ask about our bridge guarantee





The Arch Advantage

- Structurally efficient
- High reserve capacity and redundancy
- 35 ft to 65+ ft spans
- 15% - 50% rise to span ratio
- Designed for HL- 93 or greater live loads
- AASTHO approved

Composite Arch Bridge System Benefits

- 100+ year design life
- Low life cycle costs
- No concrete spalling or cracking
- Virtually maintenance free
- Eliminates the needs for concrete slabs or joints
- Natural stream bed maintained
- Ideal for skews

Accelerated Construction

- Arches can be mass produced
- Arches can be placed by hand labor
- No heavy equipment required
- Composite decking is prefabricated
- Components can be shipped to remote locations
- The bridge system is able to be constructed rapidly with ease and simplicity
- Arches can be easily placed under existing bridges to reduce traffic disruption
- Multiple spandrels and wing wall types available



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