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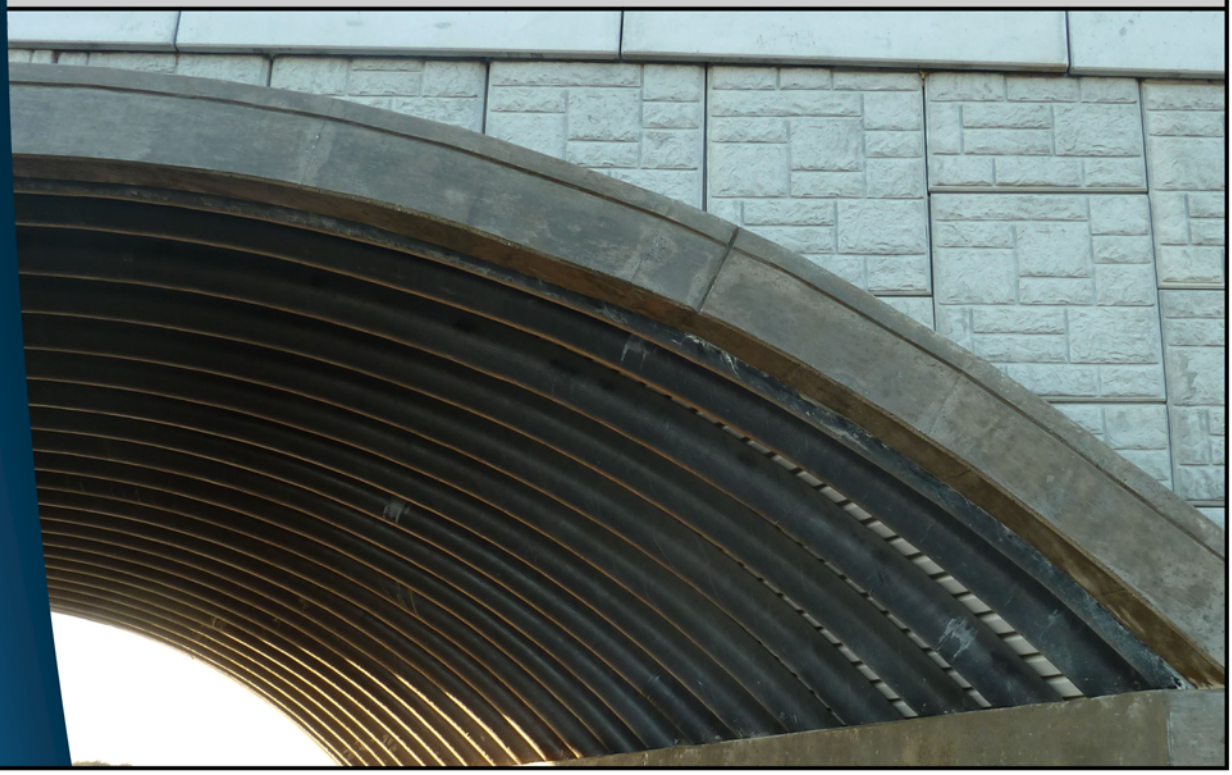
ADVANCED
INFRASTRUCTURE
TECHNOLOGIES

www.aitbridges.com
20 Godfrey Drive
Orono, ME 04473
207-866-6526

CONCRETE BRIDGES. - CONCRETE SAVINGS.



Advanced Infrastructure Technologies, Inc.

"Bridge-in-a-Backpack™"

Cast-in-place bridge construction, corrosion-free superstructure.

We are **Advanced Infrastructure Technologies**, designers and suppliers of the **"Bridge-in-a-Backpack™"** - an innovation superstructure system that:

- **Provides extended structural lifespan,**
- **Accelerates project timelines,**
- **And reduces bridge life cycle costs.**

Our versatile hybrid concrete/composite bridge system is suitable for short to medium-span bridges for **highway, rail, and pedestrian use**, and can be adapted to a wide range of geometries, skews, and crossing types.

The innovative bridge system is backed by **over 10 years of research at the University of Maine**, has been recognized by the industry as a **"high-payoff, innovative technology*"**, and is being **used successfully by numerous public and private transportation agencies** throughout the United States.

Recent industry recognition includes:

- *AASHTO - 2011 TIG Focus Technology
- ASCE - 2011 Charles Pankow Award for Innovation
- ACEC - 2011 Engineering Excellence National Grand Award
- ACMA - 2010 Award for Composites Excellence

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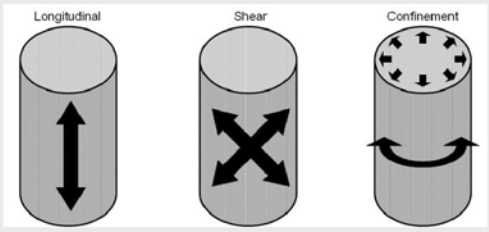
Innovative

Our innovative approach to cast-in-place concrete construction provides a streamlined installation process, and enhances material performance for superior efficiency. The composite tubes serve three purposes:

1. Stay-in-Place Formwork	***2. Structural Reinforcement***	***3. Environmental Protection***
		
The FRP tubes are the only formwork required, saving labor, time, and money.	*The FRP tubes reinforce the concrete, eliminating the need for steel rebar, and maximizing material efficiency.*	*The FRP tubes completely encase the concrete, preventing corrosion, reducing maintenance, and prolonging service life.*

Cost-Effective

Feature/Benefit	**Description**	**Cost (AIT)**	**Cost (Traditional Construction)**
Up Front Cost	*Initially cost competitive with traditional construction*	**$**	**$**
Rapid Construction	*Installed in less time than alternatives, reducing disruptions to traffic, businesses, and local economies*	**$**	**$$**
Reduced Equipment Needs	*No heavy equipment required for installation*	**$**	**$$**
Reduced Transportation Costs	*Materials can be shipped easily, often in one truck load*	**$**	**$$**
Reduced Maintenance	*No routine maintenance under regular service conditions*	**$**	**$$**
Extended Service Life	*100+ year design life, compared to 30-50 years for traditional materials*	**$**	**$$ to $$$**
Conclusion	***AIT's Bridges Save Money from day 1, and into the future***		

Sustainable

AIT's bridges are a sustainable infrastructure investment:

- Durable, non-corrosive materials
- Low maintenance structures
- Extended service life
- Reduced equipment for transportation and installation
- Reduced carbon footprint

ADVANCED INFRASTRUCTURE TECHNOLOGIES

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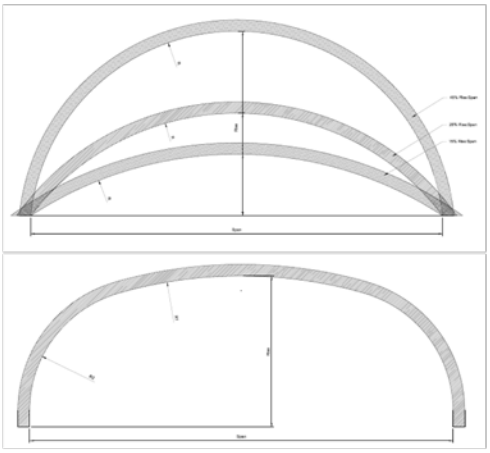
Where Our System Works



- Spans - 20' - 75'
- Constant-radius arch geometries: Rise:Span of 15% - 50%
- Standard variable-radius arch geometries up to 48' span
- Single and multi-span designs
- Skews from 0° to 45° and more
- Soil cover from 2' to 45' and more
- Crossings for streams, roadways, pedestrian ways, etc.

Currently 9 successful installations completed in 3 states, with state, municipal, and private clients.

MA Governor Deval Patrick visits our bridge site in Fitchburg, MA and reviews our technology.

Highlights of Our Services

- We can design and supply bridge superstructures, including arches, decking and headwalls/wingwalls
- Our staff has experience with a variety of contracting methods, including: design-bid-build, design-build, and value-engineering, and can advise on the best means for specifying our system on your project
- Our engineering services range from preliminary site investigation, to full superstructure design and limited substructure design, to construction phase support, all using our well-documented engineering processes
- Our established construction specifications, installation manual, and video examples clearly lay out the construction process so that everything goes smoothly with no surprises from day 1 to project completion
- Design loads/specs include: AASHTO LRFD, ASCE 07, US Forest Service, or any custom load requirements
- All manufacturing is covered by a rigorous QA/QC plan, that includes material level testing on every project

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