

*The leading provider of innovative composite
bridge solutions*



AIT Bridges

Advanced Infrastructure Technology, Inc.

Company Overview

- Completed projects in 9 U.S. States, 1 International, and designs in multiple states and other nations
- 30 projects complete or in progress
- Fully approved - published national engineering guide specification
- First federally accepted design code for composite bridges
- Lean manufacturing process that is mobile and scalable

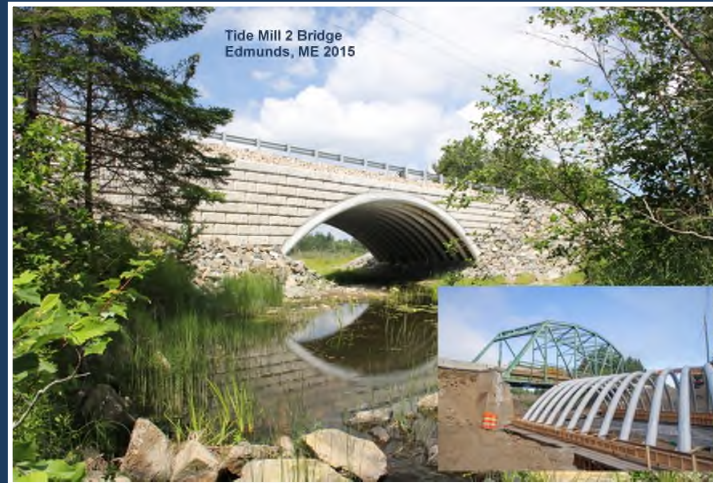
What We Do

We provide innovative composite bridge solutions:

- **Cost-effective** - Fast and simple to construct; minimal transportation and equipment needs
- **Durable** - Long life and minimal maintenance
- **Enhanced innovative material performance** makes for safe, functional, and sustainable structures
- Systems for **short-to-medium-span** bridge construction

AIT Bridge Systems offers:

- A fully engineered bridge system tailored to fit your needs
- Composites offer the lowest life-cycle costs in the industry with a design life of 100+ years



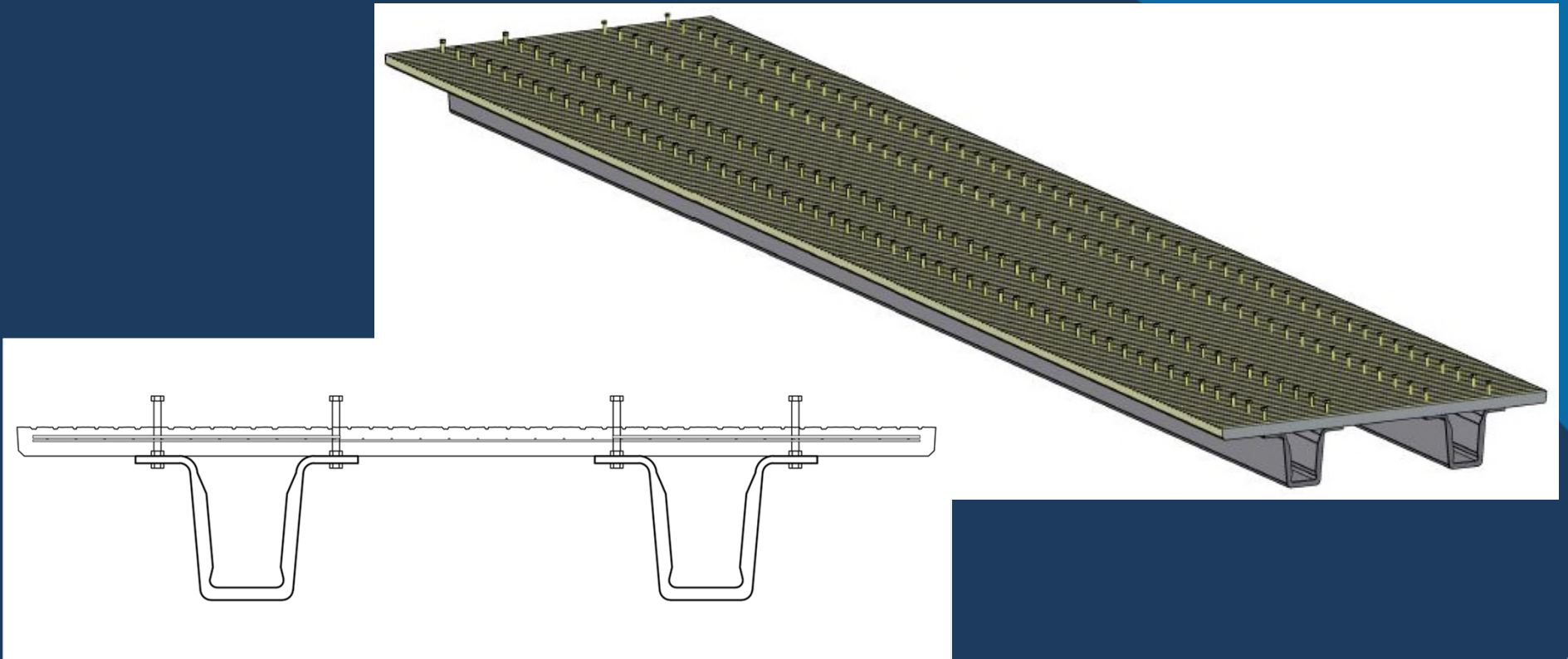
Composite Arch System

Advantages

- Can use existing substructures or leave in place and span over
- Weighs less than traditional construction materials
- Can be constructed out of the water, which results in easier permitting
- Minimal utility adjustments-no overhead work
- Fast assembly - fast fabrication and delivery
- AASHTO approved
- Exceeds most performance-based specifications
- Minimal/no maintenance, warranty, maintenance and annual inspection is available. We stand behind our product
- Spans 20 - 80 Ft with rise to span 15% -50%
- Mitered end option to eliminate walls
- Skewed span advantages

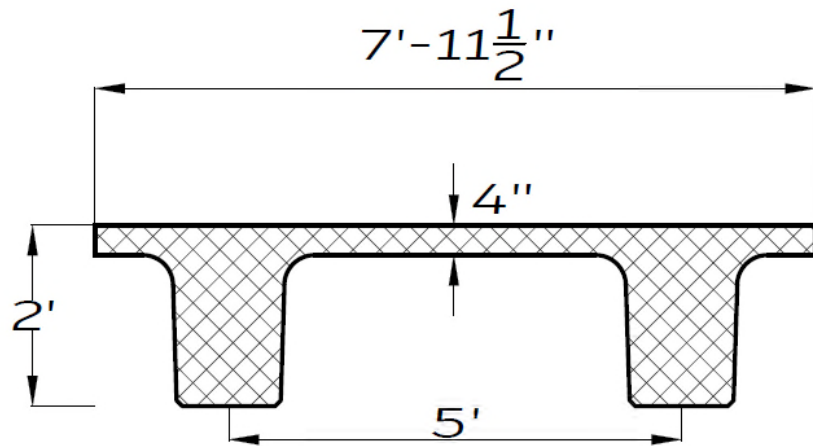


CT Girder System

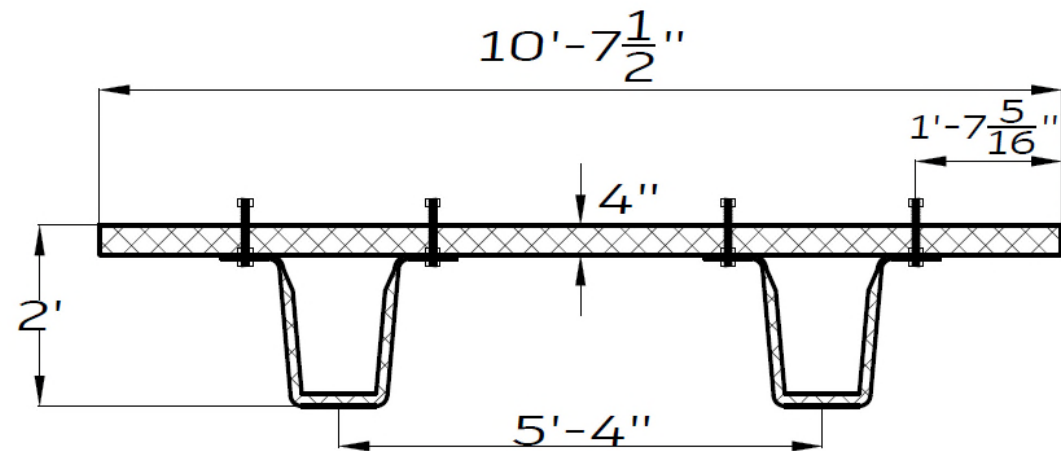


53' Module Shipped to The Construction Site

Concrete Option
53,318 lb



CT Girder Option
32,860 lb



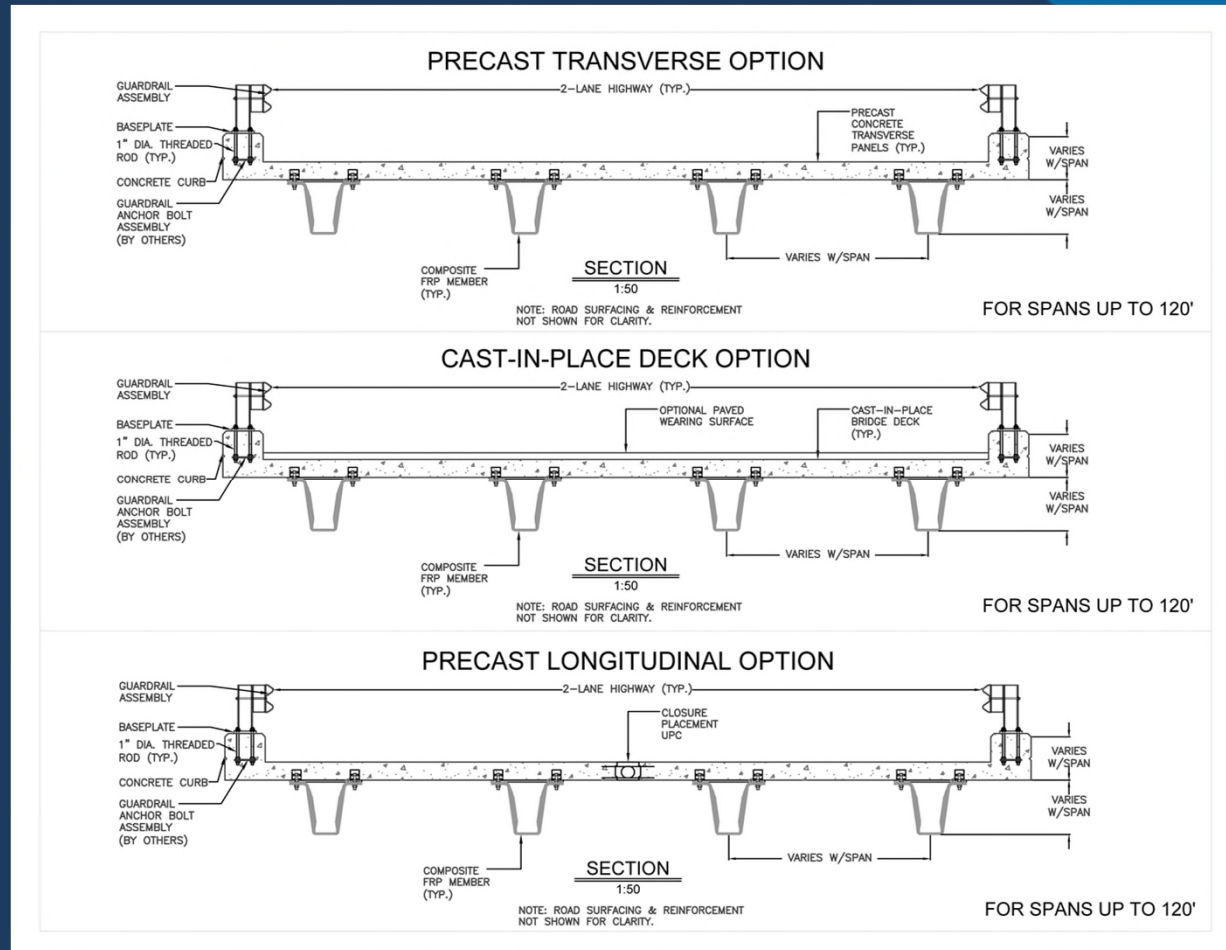
CT Girder System

Advantages:

- Spans 30'-120'
- Water and highway crossings
- Least cost alternative
- 50% lighter than steel
- 100+ year design life solution
- Low maintenance
- Naturally corrosion resistant
- Reduced carbon footprint
- Accelerated construction



CT Girder Deck Options



Fort Myers, FL - Project Details

Project Details

Year: 2018
Span: 33'-0"
Rise: 10'-0"
Width: 109'-0"
Skew: 0°
Arches: 24 glass fiber tubes
4'-8 $\frac{1}{2}$ " spacing
12" diameter



Headwall:

Owner: Lee County Port Authority

Engineer: HighSpans Engineering, Inc.

Contractor: Thomas Marine Construction



Highlights

- No heavy equipment required, Ideal for the compact project location.
- Overcame unique foundation conditions
- AIT's **First** Bridge in Florida.
- Widest Structure to date

Fort Myers, FL - Project Details



"Thomas Marine Construction has been in construction for over 35 years and has built numerous bridges utilizing standard construction materials (concrete and steel). Trying new technology for bridge construction is always a venture. We were fortunate enough to be the 1st contractor in the state of Florida to work with AIT Bridge Systems on a project for Lee County Port Authority to build a bridge utilizing their composite arch bridge system. From the bidding process to the actual construction, AIT's team was very professional and a pleasure to work with. With their expertise and knowledge they made the unknown for us simple. After the timely delivery of the arch units, AIT's field engineer guided our crew as we installed the product. We met or beat the production schedule as AIT predicted. It was a pleasure working with the AIT team and look forward to working with them again on future projects."

Mark D. Mabee | Project Manager
Thomas Marine Construction, Inc.

Potential Contract Methods:

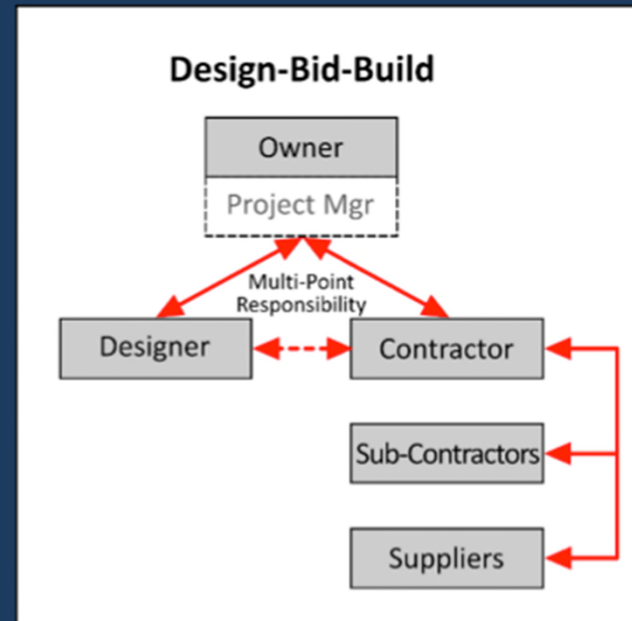
- Design, Bid, Build
- Detail Build
- Design Build
- Cost Savings Initiative



Potential Contract Methods

Design, Bid, Build:

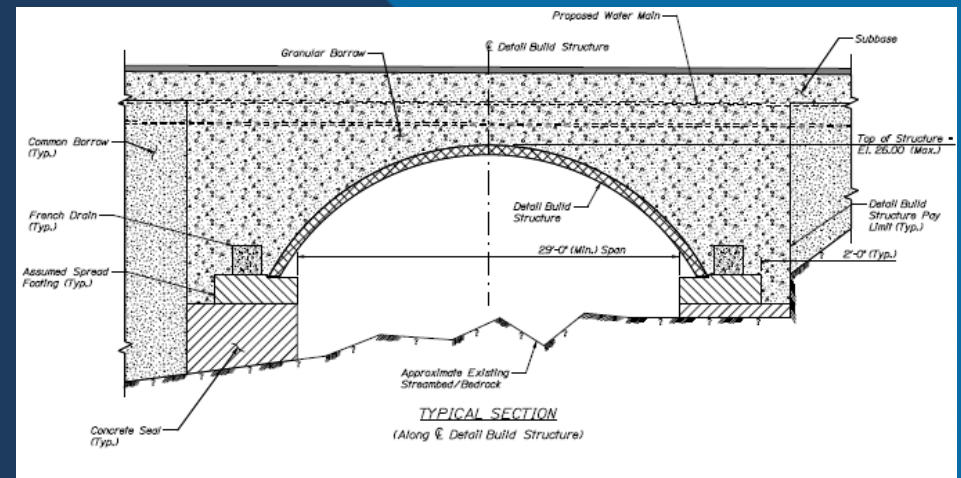
- Traditional
- System to be used specified and fully detailed
- Little opportunity for innovation



Potential Contract Methods

Detail Build:

- System not specified
- Preapproved systems
- System selected by contractor
- System engineered for the site by the supplier meeting all the constraints set by the owner
- Allows for innovation within owner parameters



Potential Contract Methods

Design Build:

- Selection can be quality based, low bid, or a blend of quality and price
- Engineering design and system selection by contractor
- Innovation Friendly



Potential Contract Methods

Cost Savings Initiative:

- Generally does not result in innovation implementation





Ken Sweeney
President & Chief Engineer
Ken@aitbridges.com
1-207-573-9055

