TIG FOCUS TECHNOLOGY

Bridge Material Design Options

Innovation Through Composites

Two innovative bridge technologies now in use in several States offer transportation agencies significant cost, safety, strength, weight, design and sustainability benefits.

Why Bridge Material Design Options? Why now?

A pair of innovative technologies now expand the range of proprietary bridge system options available to State agencies. They may be particularly useful in accelerated bridge construction since manufacture can take place in as little as 30 days. Even in more complex applications, each new Bridge Material Design Option (BMDO) generally requires lead time no longer than that of conventional materials.

Rigidified FRP Tube Arch (RFTA) systems – commonly called "Bridge-in-a-Backpack" systems – are well suited to many sites, especially environmentally-sensitive areas and those in which it is difficult, damaging, or unfeasible to bring in heavy equipment or machinery. Hybrid Composite Beams (HCB) have the potential to be long-lasting, can weigh considerably less than standard concrete beams, and may be placed using smaller, lighter pieces of equipment. Both also hold promise for long life in marine environments.

BMDOs work because they were developed, tested and successfully adopted by your peers. The AASHTO Technology Implementation Group assembled those innovators on a team that is standing by now to help you deliver the benefits of new BMDOs to your customers.

Email, call or scan for more information today!

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New Bridge Material Design Options