

PCMA MASONRY *tip*

GEOSYNTHETICALLY REINFORCED SOIL – INTEGRATED BRIDGE SYSTEM (GRS-IBS)

GRS-IBS technology uses alternating layers of compacted granular fill material and fabric of geosynthetic reinforcement to provide support for the bridge. Concrete masonry units or segmental retaining wall units are used as the facing elements. GRS-IBS also provides a smooth transition from the bridge onto the roadway, and alleviates the "bump at the bridge" caused by uneven settlement between the bridge and approaching roadway.

ADVANTAGES OF GRS-IBS TECHNOLOGY IN CONSTRUCTION OF SMALL BRIDGES:

- Construction cost savings of up to 60% compared with standard DOT bridge.
- Readily available materials placed without heavy equipment
- Reduced construction times resulting in shorter travel disruptions and increased worker safety
- Flexible design that is easily modified on the field for unforeseen site conditions
- Increased durability and ease of maintenance





PO Box 4
Lebanon, PA 17042
717-279-6346
jboyer@pacma.com



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For budget-challenged Federal, State, and local transportation agencies, GRS-IBS is a life-saver.

FOR MORE INFORMATION, LOG ONTO
www.fhwa.dot.gov/everydaycounts/pdfs/summits/GRS-IBS_full_presentation.pdf

The PCMA website www.pacma.com features a listing of producer members and their contact information along with the products each produces. You'll also find information on education opportunities, local publications and more.

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