StifPipe™ : For Repair of Pipes & Culverts

Break-through technology adds both strength & stiffness and can handle seemingly impossible projects.

StifPipe™ is the latest patent-pending product developed by Prof. Mo Ehsani for retrofit of pipes & culverts subjected to external gravity loads & internal pressure. Instead of using multiple layers of expensive carbon fabric to build up thickness and stiffness of the liner, a special honeycomb core is used to provide stiffness; carbon fabric is used as the skin only and can resist internal pressure.

Advantages:

- Can be made to any size
- Can be made to any shape (oval, egg-shape, etc.)
- Manufactured off-site to reduce onsite repair time
- Maximizes capacity by fitting tightly against host pipe
- Pipe sections can be tested for strength *before* they are installed
- Lower cost than conventional carbon FRP liners

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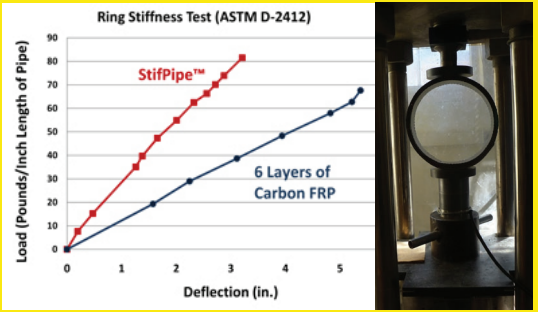
Ring Stiffness Test:

A recent project for repair of a 36-in PCCP required 6 layers of carbon fabric. Samples of 36-inch pipes were constructed with 6 layers of carbon and StifPipe™. As the results indicate, the patent-pending StifPipe™ is more than twice stiffer than the liner constructed solely of carbon fabric.The StifPipe™ can be installed much faster and it costs less too!



For More Information Visit: www.PipeMedic.com/asce.php

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