

HDT LIGHTWEIGHT EXPEDITIONARY BRIDGE



HDT's family of Lightweight Expeditionary Bridges address gap crossing for Small Ground Vehicles (SGV), Unmanned Ground Vehicles (UGV), and up to JLTV size vehicles. The SGV/UGV bridges can be carried by the UGVs or trailers pulled by the UGVs or SGVs. The JLTV bridge is transported by two M1101 trailers. All bridges can be deployed in less than 30 minutes, providing rapid passage across obstacles.

Using less than 20 C-17 aircraft, an Infantry Brigade Combat Team can deploy their dismounted infantry, SGVs and UGV vehicles anywhere in the world in less than 24 hours. Once on the ground,

the UGV vehicles can support 100 kilometers of maneuver and 72 hours of operations without resupply. The Lightweight Expeditionary Bridge can travel with this force, increasing their freedom of maneuver.

Testing at the US Army's Jungle Operations Training Center showed that after two days of training, a Combat Engineer squad can consistently deploy the Lightweight Expeditionary Bridge in less than 30 minutes. Once the bridge is deployed, it can be left in place for follow-on forces or it can be recovered on the far side to accompany infantry forward.

KEY FEATURES

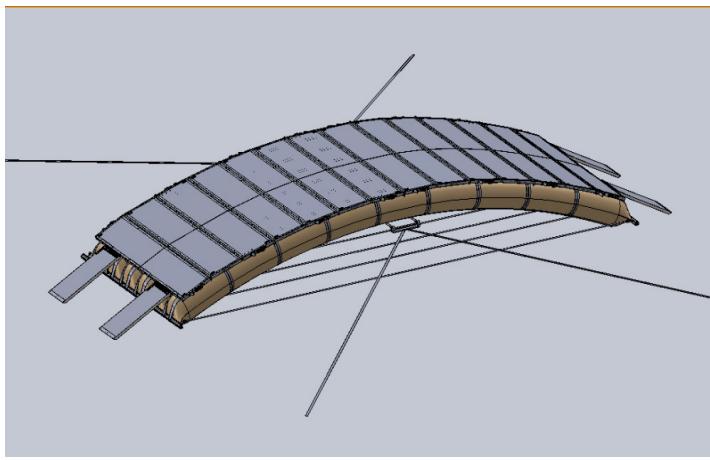
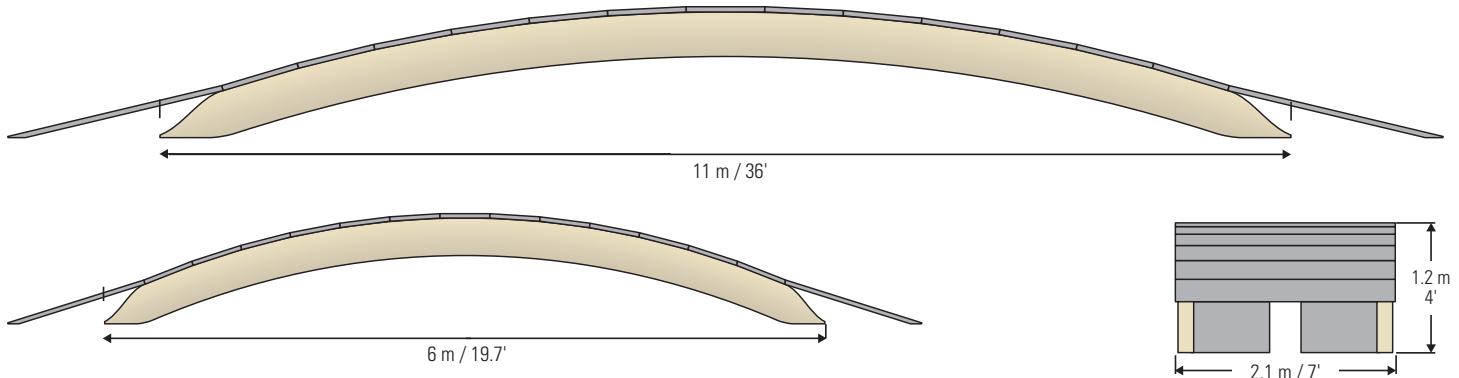
- The Expeditionary Inflatable Bridge is a lightweight bridging system that deploys directly across linear gaps. As of today, there are two versions of the bridge:
 - 11 meter (36 feet) bridge that can support 4,500 lbs across a 9 meter gap
 - 6 meter (20 feet) bridge that can support 8,000 lbs across a 4 meter gap
- Same rugged AirBeam® strut technology used in thousands of HDT shelters worldwide
- The bridge can weigh from 1,000 lbs (450 kg) to 4,900 lbs (2,222kg)

- ATEC Safety Release for carrying loads up to 1,100 kg (2,400 lbs), including proof-load testing with 1,600 kg (3,500 lbs)
- JLTV Bridge
 - Length: 11 meters (36 feet) that will span a 9 meter gap
 - Width: 12 feet
 - Weight Capacity: 23,000 lbs
 - Bridge Weight: 4,900 lbs
 - Packout on two (2) M1101 Trailers
 - Will also support family of HMMWV vehicles

HDT LIGHTWEIGHT EXPEDITIONARY BRIDGE

HDT®

LIGHTWEIGHT EXPEDITIONARY BRIDGE DIMENSIONS



JLTV Bridge



Combat Engineers deploying bridge.