

Bridges often provide an easy passage over rough or impassable terrain. That principle applies not only to travel, but to network infrastructure as well. This can eventually lead to a bridge being a choke-point for critical communications cabling deployments.

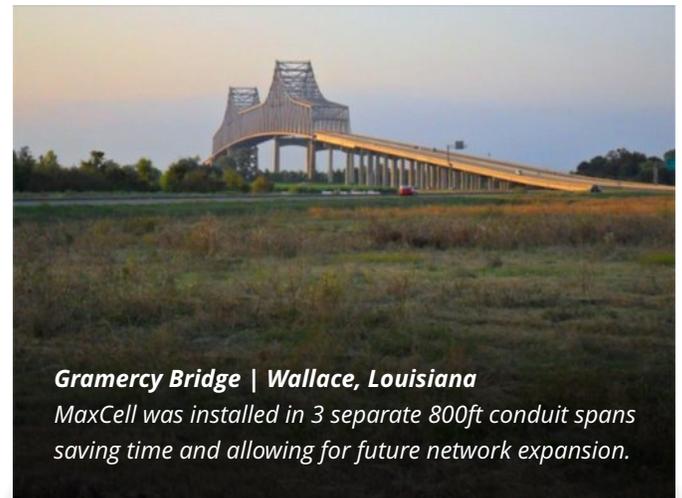
MaxCell® Edge is an ideal fabric innerduct solution for bridge and roadway crossing applications. It is designed to enable installation of up to 300% more cables than rigid HDPE innerduct in conduit based network infrastructure.

## Bridge Application Challenges

- Permitting and right-of-way requirements for placement of new pathways/conduits
- Limited operational area within conduits
- Limited space to maneuver materials and equipment
- Elemental exposure and temperature variance resulting in significant expansion and contraction of traditional HDPE and microduct solutions
- Architectural guidelines of material weight can limit the number of traditional pathways being furnished for communications cabling

## MaxCell Advantages

- MaxCell's multiple pathway design reduces or avoids Permit and Right-Of-Way delays associated with new conduit placement
- MaxCell is 1/8th the weight of traditional HDPE, providing triple pathways while minimizing the weight load on bridges
- Occupying 1/7th the volume of HDPE, MaxCell is easily maneuverable in restricted workspaces
- Reduces the number of conduits required in new construction while allowing for future network expansion or supporting multiple carriers in a single conduit structure
- Climate and Temperature variations that could cause expansion or contraction have zero impact on the fabric mesh design of MaxCell
- Per the NECA Manual of Labor Units, MaxCell installs faster than traditional innerduct solutions (8hrs vs 30hrs per 1,000ft).
- Pre-lubed for lower friction during MaxCell and cable installation
- Manufactured in the U.S.A.



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