

# MAXCELL UNDERBRIDGE

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.

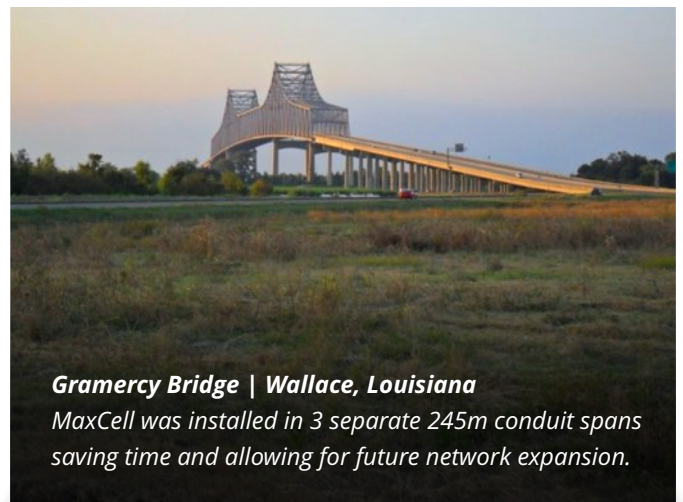
MaxCell® Edge is an ideal fabric innerduct solution for bridge and roadway crossing applications. It is designed to enable installation of up to 300% more cables than rigid HDPE innerduct in conduit based network infrastructure.

## 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 300m).
- Pre-lubed for lower friction during MaxCell and cable installation
- Manufactured in the U.S.A.



**Gramercy Bridge | Wallace, Louisiana**  
*MaxCell was installed in 3 separate 245m conduit spans saving time and allowing for future network expansion.*

