

# MAXCELL® CASE STUDY

## Deploy Robust Infrastructure to the Edge with MaxCell!

### Problem:

Adding pathways to support wireless and wired communications within a professional sport stadium along the conduit path buried by a large amount of concrete and asphalt presented a major challenge. Already in place were (2) 6" conduit entries at capacity with (5) 1.25" innerducts, each housing (9) active communications cables.

To ensure the in-building network could handle today's data traffic from fans and for emergency responders, adding additional pathways was paramount.

### Solution:

**MaxSpace was the only feasible solution to reclaim space to add new bandwidth.**

The total run distance was 675', from the maintenance hole to the telecom closet. The MaxSpace machine was positioned in the first maintenance hole to extract and split the corrugated rigid innerduct from around the active cabling. The reel with MaxCell Edge was positioned at the 1st maintenance hole and was pulled through to the 2nd hole – no drilling, no digging, no engineers involved, no new conduits, no trenching permits, and most importantly – no disruption of service to any of the existing services.

After the innerduct was extracted, the MaxCell team was able to install 4 packs of 3", 3-cell MaxCell fabric innerduct in each conduit structure. MaxCell was able to reclaim and provide 24 new pathways for future cable installation – where there was previously none. This allowed immediate deployment of new bandwidth while preserving space for future needs.

**MaxCell and MaxSpace will give you the fiber backbone you need to grow and scale, all while supporting 5G Networks.**

