

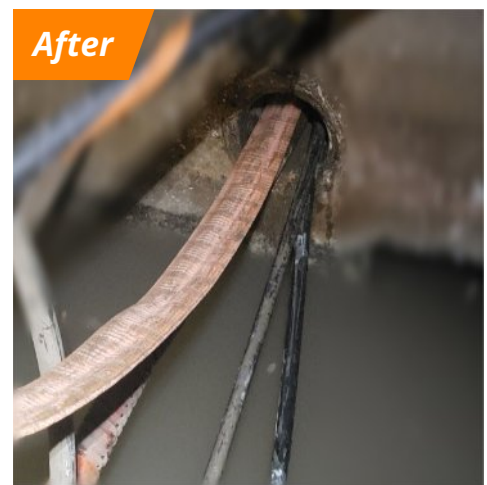
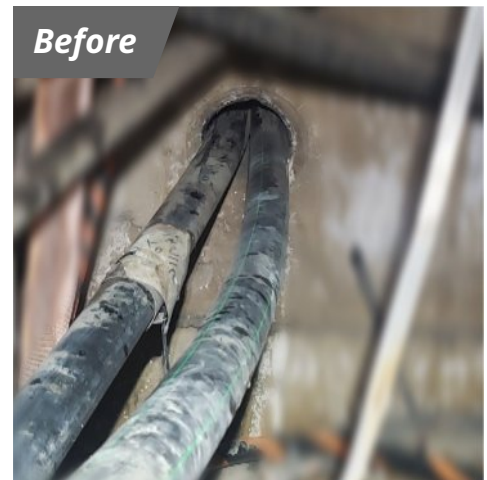
MAXCELL® CASE STUDY

Future Network Flexibility

Take a full innerduct in which you need to add additional fiber, add in a busy roadway along your construction site, and you have a challenge. This construction company was looking at several obstacles to the job including: costs for trenching, costly permits and delays until they are issued, not to mention the inconvenience that disrupting the current services would cause. The existing ducts were already at capacity but more cabling needed to be added, as well as preserving space within the duct for future bandwidth requirements.

In order to come up with an economical and effective solution for this project in San Luis Obispo, the team from the construction company contacted MaxCell. Working together, they found that the best solution was to remove the current innerduct with the MaxSpace service and replace it with the space saving MaxCell. This could be done while keeping the current fiber active during the extraction. The set-up was minimal: pumping water out of the vaults, removing the existing 1.25 smooth wall HDPE and 1.25 corrugated HDPE and inserting MaxCell into the steel tube. The fiber cable was tied off for protection during the extraction and MaxSpace equipment was used to safely extract the existing HDPE. A total of 1300' of innerduct in two sections (800' and 500') was removed and MaxCell Edge was pulled back through the innerduct. By using 3-Cell MaxCell there was still room for 864' of fiber that would be installed in the future. The construction team worked in the evening so they did not disrupt traffic on the busy thoroughfare.

Because of the ease of installation and the need to not dig or trench, the total project only took 1.5 hours. This process caused little to no disruption to the roadway and area around the site. By using both MaxSpace and MaxCell together, it not only saved them time, but it also saved money. The wireless company who had hired the construction company for the project was there to watch the extraction process. They were not only impressed with the ease of the process but were delighted to expand capacity while preserving space for future bandwidth requirements.



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