



MICROTRENCHING, A LESS INVASIVE AND MORE COST-EFFICIENT FIBER INSTALLATION METHOD

Microtrenching Overview

FTTH project growth has led to network providers searching for more efficient and cheaper ways to install digital infrastructure nationwide.

Traditional methods can be invasive, noisy, and costly leaving neighborhoods destroyed for months. Microtrenching offers customers the opportunity to preserve the communities they are serving while maintaining budget and customer satisfaction.

Congruex's industry-leading experience has been leveraged across the country from Utah throughout the West and into Tennessee.

Microtrenching Solution

Microtrenching, also known as shallow trenching, utilizes a small rock saw outfitted with a specialty blade that cuts a shallow trench with a footprint smaller than conventional methods. The trench width generally ranges from 0.5" to 2" with an average depth of 12" – 16".

After the trench is cut, protective ducts are laid, and a cable is pulled through. The trench is then filled with flowable fill and sealed with a mastic seal on top that has proven to be extremely durable.

Microtrenching's minimal impact results in a clean-looking product that can often be completed in a single day.



Microtrenching Results

Microtrenching can accomplish in days what traditional methods would require months. Congruex crews not only help clients save money, but the impressive production rate and high quality are best in class.

When conditions are rocky or the Right of Way is tight, Congruex can leverage its experience and equipment to complete the job safely and on time.

Congruex Accomplishments

- 17 microtrench crews with 34 saws
- Active in 20+ markets and growing
- 450K+ households passed (HHP)
- 25M+ feet of microtrenching completed

