

# FIBER CONSTRUCTION STEPS

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## ENGINEERING

Our engineering department will design the footprint of the fiber build and ensure that the correct infrastructure is set in place in order to support the fiber expansion to your area.

2

## PERMITS/EASEMENTS

Engineering will start to obtain permits (railroad, county IDOT, city, & etc.) for the selected build area. This could take anywhere from 60-90 days. Once permitting is complete, we will review the current construction list and prioritize the selected area accordingly.

3

## JULIES

Once we know we can start a project, we will begin to call in JULIEs for mainline and drops to your home or business. You may start to see flags and spray paint in your yard and alongside the roads and sidewalk that mark underground utilities. By doing this we can ensure that our crews can safely work and avoid service interruptions with other companies.

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## UNDERGROUND INVESTIGATIONS

To ensure safety for our construction crews, our team begins by exposing existing underground utilities (such as water, gas, & electrical). They do this by either hand digging around the existing utilities or potholing which is a technique to expose a utility prior to excavation as this allows our crews to know exactly where the utility is located.

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## BORING & PLOWING

Construction crews will begin to bury conduit by either plowing or directional boring; which are trench-less methods of installing underground conduit to bring service to either your home or business.

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## PLACEMENT OF INFRASTRUCTURE

Crews begin to place and set fiber-optic access points known as handholes or PON cabinets. These are normally placed with existing utilities where possible or at ground level.

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## SERVICE DROPS

Service drops are put in the same way mainline is, by either plowing or boring. But, before crews can bring a drop up to your home or business, they will need to meet with the property owner to determine the location of natural or buried obstacles and customer-owned facilities on the property and the placement of their drop.

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## SPLICING

During this time, customers may not see much activity from us but know we are actively working on the network in your area. This step in the process can take weeks to months to complete before the network is ready for testing, as technicians are fusing individual fiber for each home or business to our fiber-optic network.

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## PREPPING

After the fiber has been spliced, a technician will come out to your home or business and mount a transition box along with a ground and check for light on the fiber.

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## INSTALLATION

After verifying/testing there is good light signal at your home or business, a representative will contact you about scheduling an appointment to come and install your services. Note this could be 1 to 3 weeks or longer after the prepping stage.

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## CLEAN UP

Once the construction phase is complete, our crews will return to not only cleanup the mess but also provide the landscaping assistance necessary, including seeding and putting down straw.