In June 2019, I assumed Project Sponsorship of this project. Since then, the MPW and AEG teams have worked together to improve the execution of this project.

In the 3 years we’ve been working this project, we’ve been humbled in underestimating the difficulty and complexity of this build while keeping a Legacy system active as well, and adequately resourcing, at times, what this project needed. This project has faced one of the harshest winters on record followed by 100-year record level flooding impacts, and now a worldwide pandemic. We have a lot of hard work ahead of us, but our teams are excited to get going again and anxious to finish this project for our customers and our community.

I’m very proud of what our teams have collaborated on as we start the FINAL phase of construction. I appreciate every one of my MPW and AEG team members and their support as we’ve worked through project challenges and opportunities! I’m very proud of our new fiber services and feel you’ll be impressed as well!

If you’re not already converted over to our fiber system, I appreciate your time to review and understand what work is yet to be completed, and sincerely ask for your assistance when work starts in your neighborhoods.

Thank you in advance, Erika Cox
MPW Director, Customer & Technology Experience; ecox@mpw.org
FTTH Construction Areas

Drop and Mainline constructions crews are back in market to finish remaining construction. When they are working in your neighborhood, MPW will notify you. Please review those messages from us and provide your assistance.
FTTH Construction Phases

As of end of first quarter 2020

- **Mainline Construction**
  - Aerial (95% complete)
  - Underground (58% complete)

- **Drop Construction**
  - Aerial (79% complete)
  - Underground (58% complete)

- **Splicing/Testing** (85% complete)

- **Installations** (64% complete)
Mostly underground mainline remains to be completed.

When we’ll be working near you, you’ll get a notification from MPW. Please review that message and provide your assistance.
FTTH Construction Phases

As of end of first quarter 2020

- Mainline Construction
  - Aerial (95% complete)
  - Underground (58% complete)
- Drops Construction
  - Aerial (79% complete)
  - Underground (58% complete)
- Splicing/Testing (85% complete)
- Installations (64% complete)
Drops

Yards will be marked for utilities, and you should get messages from MPW and a door hanger asking you to mark any private utilities in your yards (gas lines to grills, invisible fence, etc.).

If you have specific requests regarding your new drop path, call AEG Project Contact at 563/260-6538.
Drops

Drop crews will work in the Mainline area, through your yard, and up to the MPW cable box on your home. They will use machines like this, or hand dig.
Drop crews will be putting a new fiber line on the outside of the house. These crews will be working near your house and in your yards, but not needing in the house.
Drop crews will put the new fiber line from the outside of the house to the MPW pedestal or vault. These crews will be working in your yards, but not needing in the house.
Path of the new fiber line from the outside of the house back toward the pedestal/vault.

This is how houses get connected to the new fiber infrastructure.
The path from your home to the vault location may be several hundred feet long.

The ground opening will be put back together after the fiber placement and depth is inspected.
The fiber from your house is taken back to the pedestal/vault location for splicing.
Construction Phases

As of end of first quarter 2020

- **Mainline Construction**
  - Aerial (95% complete)
  - Underground (58% complete)

- **Drop Construction**
  - Aerial (79% complete)
  - Underground (58% complete)

- **Splicing/Testing** (85% complete)

- **Installations** (64% complete)
Once the drops are completed, a different crew will come in to splice the fiber. This work will also be outside the house.
This work will be outside the house by AEG crews.

Fiber will be spliced (connected) at the vault location.
Splicing
Splicing, or connecting, two separate strands of fiber into one continuous strand.
The cable box attached to the house currently has coax lines in it (we call this a demarc box).

Those coax lines will be moved out of the demarc and new fiber lines will be wrapped and tucked safely inside the demarc.
The splicer/tester is testing if the fiber has “light.”

Once the fiber has passed testing and is “lit”, the house can be released for install.
Construction Phases

As of end of first quarter 2020

- Mainline Construction
  - Aerial (95% complete)
  - Underground (58% complete)

- Drop Construction
  - Aerial (79% complete)
  - Underground (58% complete)

- Splicing/Testing (85% complete)

- Installations (64% complete)
Installations

• Once your home/business has been spliced/tested and released for installation, an Install crew will complete the install

• You’ll receive a notification from MPW that your home/business is ready for install and to call MPW to sign up for services and schedule your install appointment

• Installations is the only part of the FTTH project that is done inside your home

• In-home installations were temporarily halted due to COVID-19. A date to restart in-home installations is being developed
Demarcs

These are a couple demarcs after fiber installation.

You may still see some lines hanging from the box until all project work is completed.
It may not look like typical MPW neatness, but the old coax line is okay sitting out.

MPW can advise what lines can be safely removed if you want to remove them yourself.
Timelines

• Outside Construction
  • Complete by end of 2020 construction season

• Slicing and Installations
  • Complete by 1Q2021, including Fruitland
• Key benefits of the FTTH Project
  • Higher reliability
    • Less field equipment to maintain with fewer failure points
  • Lower operating and maintenance costs
  • Fiber is ‘state of the art’
    • Higher Internet download and upload speeds to meet your technology needs!
  • Upgraded video service
  • New phone service offering for fiber customers
    • Installing residential lines – keep your phone number!
    • Installing business phone service, up to 8 lines
Fiber Fun Nights

Have questions before or after your install?

Ask us anytime, or come to a Fiber Fun Night.

We’re here for you!

MachLink TV Channel 17 – Learn to use your remote