GOAL
POTENTIAL SITES
SITE MAP EXAMPLE
McKENZIE DRIVE EXAMPLE
PERMIT PROCESS
GOAL

MICROTRENCHING

Determine a permit process that works for both the Municipality of Anchorage and Alaska Communications

Deploy faster internet to more Anchorage residents

Minimize disruptions to Anchorage residents
Potential Microtrenching Sites

LEGEND

- Predicted Site (87)
- Potential Site (313/416)
EXAMPLE SITE MAP

MICROTRENCHING

Image: Potential Microtrench site at 2737 50th Ave.
Source: Alaska Communications
• Microtrenches are typically 18”- 25” deep
• 1”- 2” wide
• Use a flowable fill to reseal the road
• Conduit can accommodate multiple fibers, so only one trench needed for each road
McKenzie Drive
Fall 2019 test location
Pictures taken in May 2020
**PROPOSED PROCESS**

**MICROTRENCHING**

- **Viability**
  - Coordinate with MOA on viability of microtrenching in a given area
  - Consider road sensors, road design and maintenance

- **Field Investigation**
  - Determine fiber path
  - Geological survey
  - Coordinate with permitting agency

- **Design**
  - Develop initial project design
  - Determine fiber and duct requirements, microtrench dimensions
  - Define path, determine fill

- **Construction**
  - Permitting, community notifications, locates, etc.
  - Follow design and permit: mark obstacles, cut, vacuum, dry, sand, place, mark, fill, seal
THANK YOU