Fiber Deployment – a low impact approach

An introduction to microtrenching
Agenda

1. MicroTrenching Overview
2. MicroTrenching Reinstatement
3. Los Angeles MicroTrenching
4. Q&A
Microtrenching - an innovated and improved way to install fiber
Faster, smaller, and less disruptive from installation to restoration

• 80% faster than traditional trenching
• Minimal disruption to traffic
• Less noise and equipment
• Fewer resident complaints
• Less waste and debris from microtrenching are vacuumed up during process
• Fewer new materials needed to reinstate roadway

Typical width of 2”
• minimizes impact to your streets and municipal infrastructure

Typical depth of 12” – 16”
• Ability to avoid many underground obstructions and existing utilities
• Deep enough to not be in conflict with future road work
Microtrenching and Microfiber

Microtrenching vs Open cut trenching

Polyethylene Jacket
Core Binders
Buffer Tubes
Rip cords
Optical Fiber
Central Strength Member
WB Binders
Microtrench Reinstatement
Trench Reinstatement

- Western Materials & Design FasTrac 400 Cement
- Rapid setting concrete cement slurry mixed on site and applied in one pass
- Free flowing and self-consolidating so no compaction is required
- Designed for use with both asphalt and concrete
- Can fill to grade, or fill most of the way and then apply Safetrack MTI as the top layer
Example 5 year old Microtrench - Austin, Texas
Originally installed in 2015
Photos taken February 2020
Los Angeles Parking Lot Demonstration
Los Angeles MicroTrenching Deployment Example
And we’re using it successfully in communities around the country.

Austin, TX
Boston, MA
Charlotte, NC
Chicago, IL
Dallas, TX
El Paso, TX
Lexington, KY
Los Angeles, CA
Long Beach, CA
Louisville, KY
Manhattan Beach, CA
Miami-Dade County, FL
Mt. Vernon, NY
New York City, NY
San Diego, CA
Scottsdale, AZ
Questions?
Thank you

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