### **Transportation Committee**

#### December 14, 2017



TC1

### Micro Trench Pilot Program Update

#### Anthony Chukwudolue, Assistant Director



# Background

**September 2016:** City Council approved micro trench pilot in Council District 6

 Allowed up to 190 miles of fiber deployment using micro trench technique

#### **Open Trench**



#### **Directional Bore**



#### **Micro Trench**



# Micro Trench Success Measures

City monitored and evaluated success for pilot based on following criteria:

- 1. Number of utility impacts (water, sewer, or gas strikes)
- 2. Pace of work and disruption to the right-of-way
- 3. Community support for the program



# **Pilot Summary Map**



# **Community Outreach**

#### Construction notifications

- 30 day notification to City Council and affected NA's prior to construction
- 7 days prior, electronic signs on impacted collector or arterial streets
- 3 days prior, door hangers to impacted residents and businesses
- CD6 augmented with social media, newsletter notifications, and e-blasts

### Signage

Construction signage to include Project Type, Utility and Contractor contact information

#### Identification

 Construction crew to wear Utility Owner identifier visible to the public, i.e., vests, hard hats, etc.

## Pilot #1 - Photos



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# Pilot #1 - Photos





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# Pilot #1 - Photos







## Pilot # 2 & 3 - Photos



# Pilot # 2 & 3 - Photos



## Pilot # 2 & 3 - Photos





- 1. Shallow trenching typically avoided conflicts with other utilities including water, electric and gas
- 2. A faster, less disruptive construction technique. Work often completed in the same day, reducing construction impacts on residents
- 3. No significant complaints received throughout the pilot period



## **Recommendation**

Staff recommends utilization of micro trenching and updating the Utility Excavation Criteria Manual to include the guidelines related for this construction method.





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