



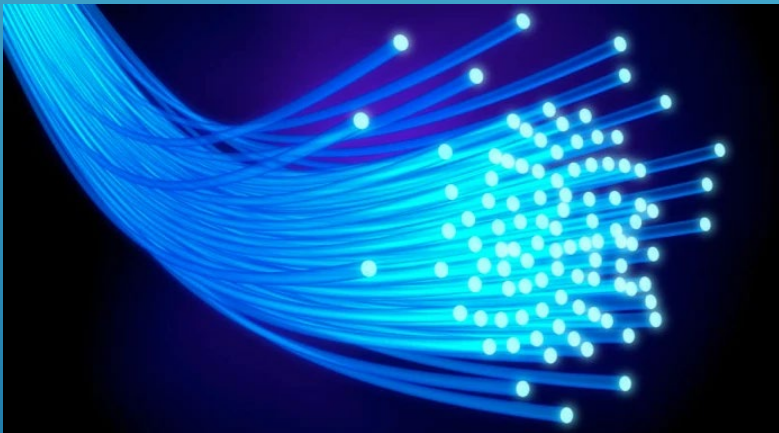
Citywide Fiber Optics



DIGITAL  CITIES
2021 SURVEY WINNER

What is it

- ▶ Technology that transmits data as light along a network of very thin glass or plastic fibers



Benefits

- ▶ Enhanced economic development
- ▶ Increased opportunity for connected city facilities
- ▶ Access to fastest internet speeds available
- ▶ Reducing the digital divide
- ▶ Future proof Mesa!

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Goal

- ▶ Fiber optics to every premise (residential and commercial) in Mesa

Fiber Options Research

- ▶ Traditional Internet Service Providers
- ▶ City owned
- ▶ Public Private Partnerships

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Several white lines of varying lengths and angles are positioned in the bottom right corner of the slide, creating a modern, abstract graphic element.

Challenges

- ▶ Big City
- ▶ 264,000 premises
- ▶ 2,470 street miles
- ▶ Expensive
- ▶ Many years to deploy
- ▶ Potentially incompatible licensing

Solutions

- ▶ Open access model
- ▶ Public Private Partnership
- ▶ Citywide deployment
- ▶ Dark Fiber license accommodations
- ▶ Appropriate incentives
- ▶ Micro-trenching

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Several white lines of varying lengths and thicknesses are drawn diagonally across the bottom right corner of the slide, creating a modern, abstract graphic element.

Next Steps

- ▶ National search for innovative open access partners
- ▶ Worked with national fiber expert to develop Request For Information (RFI)
- ▶ RFI to be released next week

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Questions?

