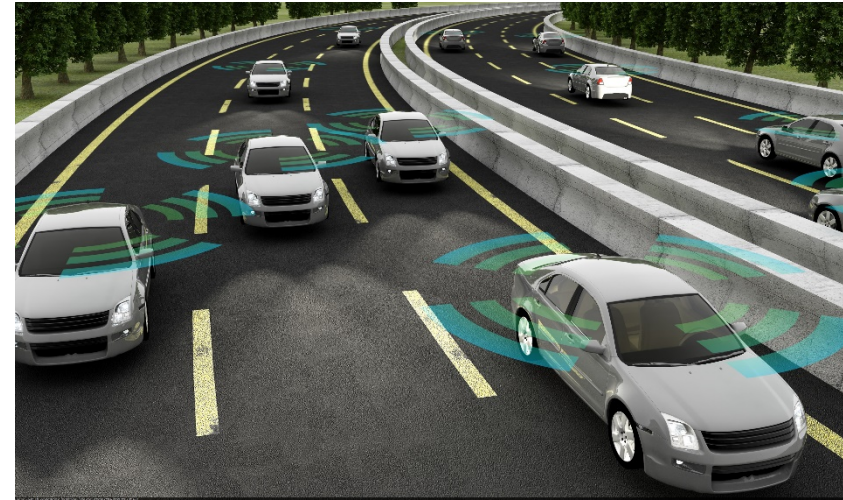




# Extending Communications Networks through Public-Private Partnerships

Blake Hansen, PE, PTOE, PMP

Todd Fredericksen, PE, PTOE







# Public-Public Partnerships







P3







# Telecommunications PPP



# Case Studies

**Utah Department of Transportation**

Infrastructure for Infrastructure

**City of Kansas City, Missouri**

Reduction in Fees for Infrastructure

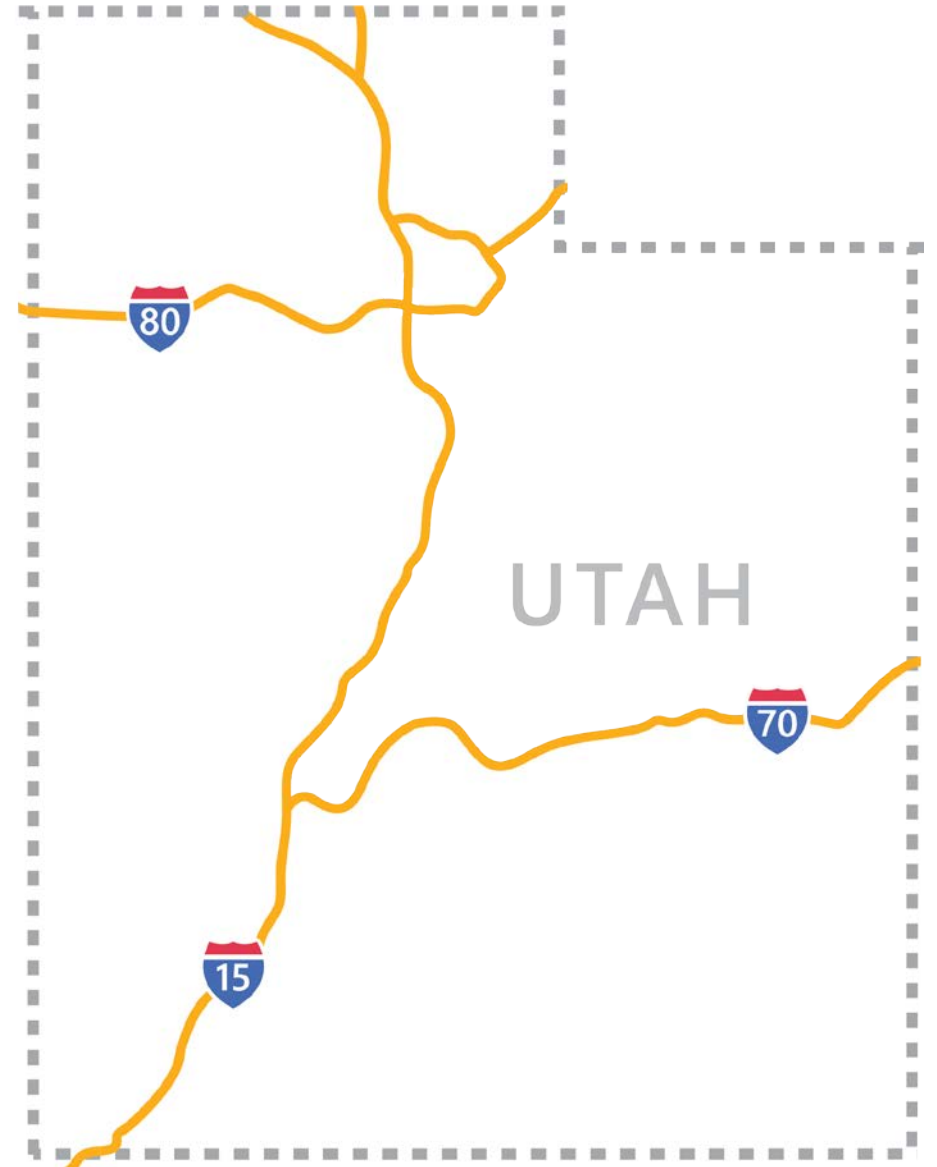
**City of Lincoln, Nebraska**

ROW/Easement Access for  
Infrastructure & Revenue

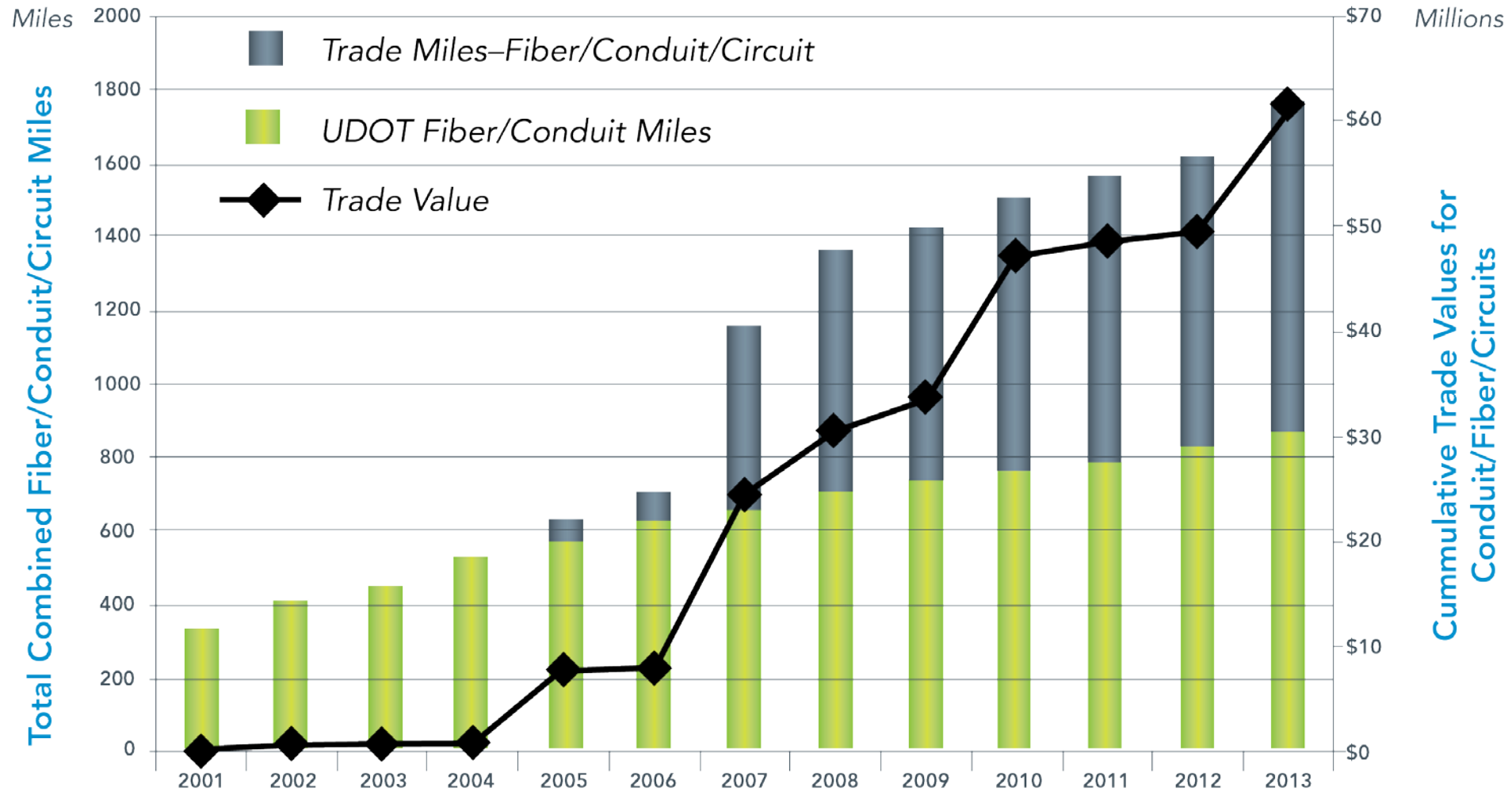


# Utah DOT

- Conduit, anytime they dug up the road
- 16 2-inch ducts
- Re-wrote/developed several new statutes
- Will work with any company
- Must have something UDOT wants



## UDOT'S FIBER OPTIC NETWORK





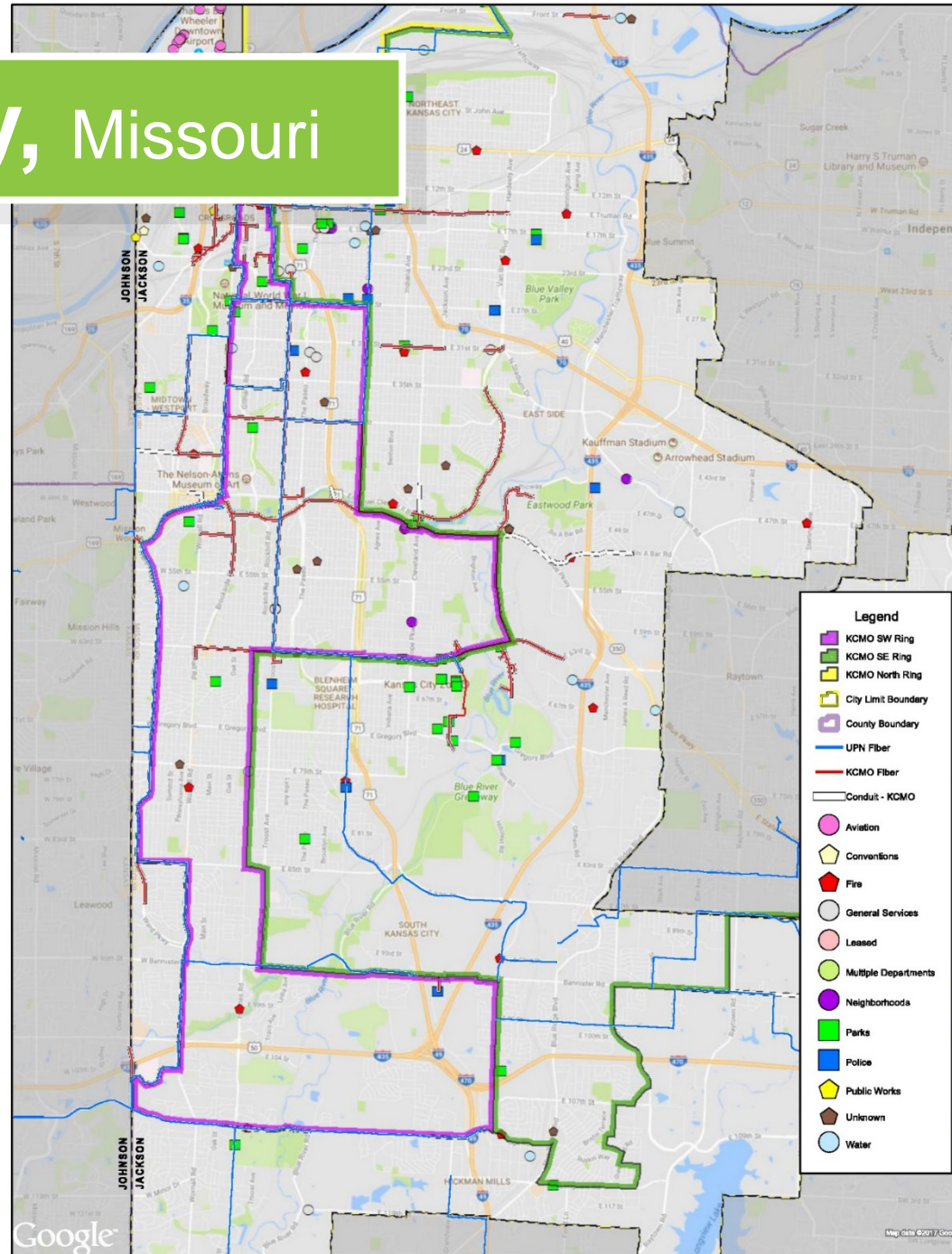


# Kansas City, Missouri

- Multiple partnerships
- No permit fees
- One tube if in carrier conduit
- Six tubes if in city conduit



# Kansas City, Missouri





# Kansas City, Missouri

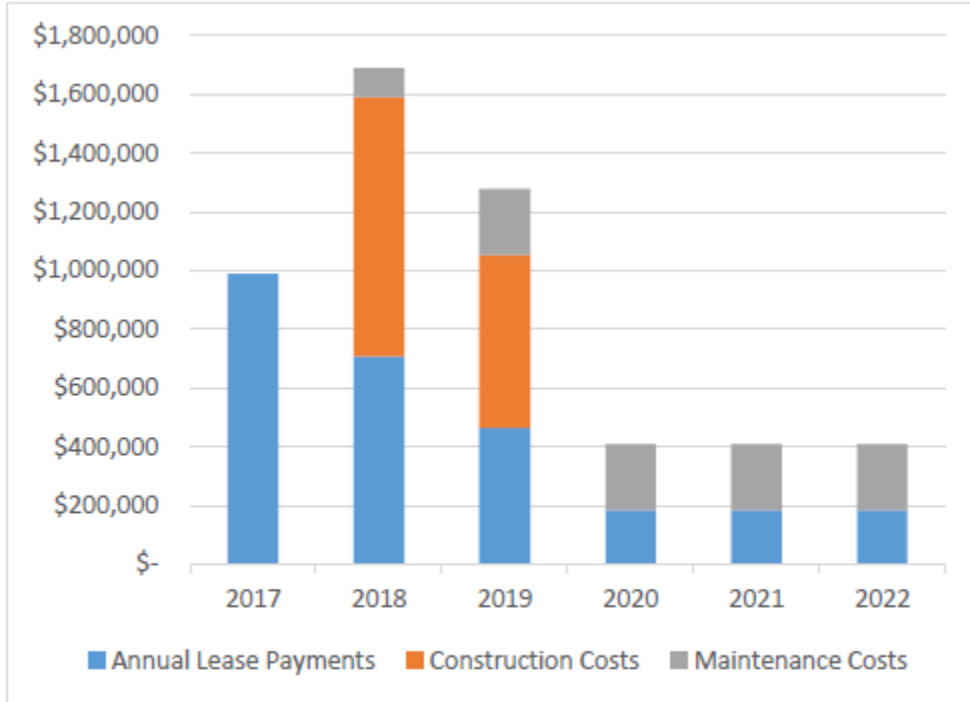


Figure 5: Estimated Total Costs for Digital Communications

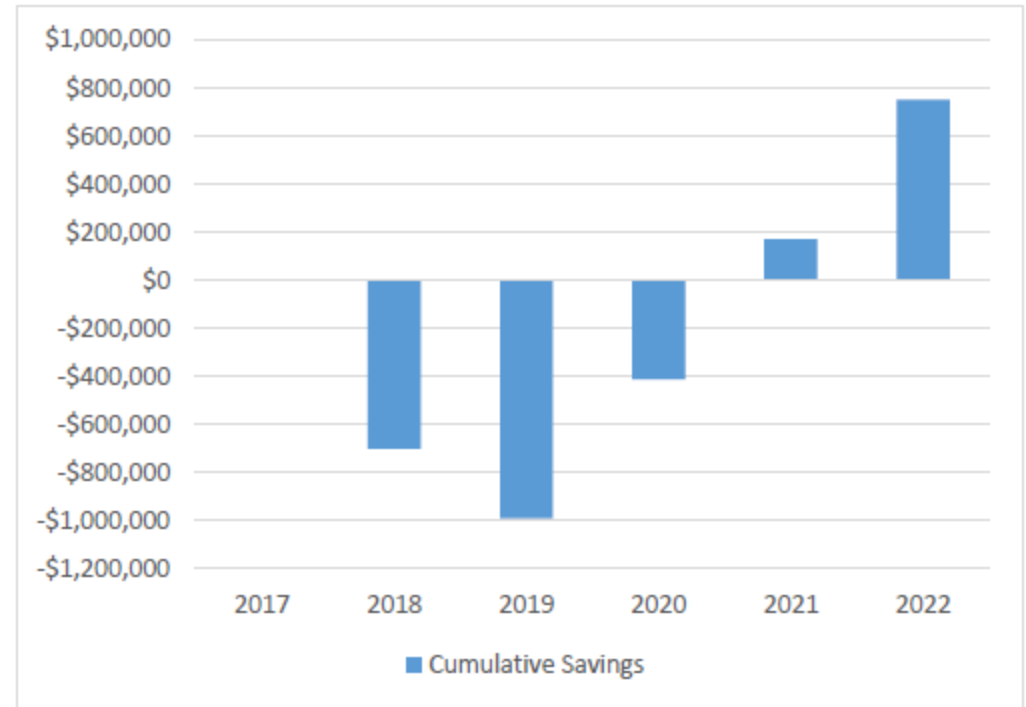


Figure 6: Projected Cumulative Savings Relative to the Current Lease Costs

# Lincoln, Nebraska

## Fiber-to-the-Home

- Franchises for Broadband and Cable
- Access to ROW and Easements
- A private network for City use
- Connectivity to all city facilities
- Access for all residents (110,000)
- Reduced fees for low income
- 3 public access free “Wi-Fi” areas





# Takeaways

- Address needed statutes and standards
- Establish a dig once policy
- Put conduit in anytime you construct
- Find partners, or let them find you
- Be creative: long-haul vs. metro