Extending Communications Networks through Public-Private Partnerships

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Public-Public Partnerships
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## Case Studies

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<th>Location</th>
<th>Benefit</th>
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<td>Utah Department of Transportation</td>
<td>Infrastructure for Infrastructure</td>
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<td>City of Kansas City, Missouri</td>
<td>Reduction in Fees for Infrastructure</td>
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<td>City of Lincoln, Nebraska</td>
<td>ROW/Easement Access for Infrastructure &amp; Revenue</td>
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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

- **Trade Miles—Fiber/Conduit/Circuit**
- **UDOT Fiber/Conduit Miles**
- **Trade Value**

**Miles**

- Lincon, Nebraska

**Cumulative Trade Values for Conduit/Fiber/Circuits**

- Utah DOT
Kansas City, Missouri

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