



SAFE AND CONNECTED



TAC Meeting

January 31, 2018
Carson City, Nevada



Nevada Governor's
Office of Science,
Innovation and
Technology





SB 53 - Fiber Sharing



Denise Inda
NDOT Traffic Operations



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SB 53

Modified definitions to include fiber optics and related infrastructure

- ◆ Information System
- ◆ Transportation System
- ◆ Highway



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EXPANDED OSIT ROLE

- ◆ Develop strategic plan for broadband services
- ◆ Apply for federal/state funding for broadband expansion
- ◆ Expand fiber infrastructure for telehealth and communications systems
- ◆ Manage data related to fiber optic assets
- ◆ Administer fiber trade policy
- ◆ Chair and support the Technical Advisory Council (TAC)



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TECHNICAL ADVISORY COMMITTEE (TAC)

- ◆ 7 agency members
- ◆ TAC roles
 - Assist NDOT in planning
 - Assist NDOT in establishing value
 - Approve interstate agreements
 - Coordinate state agency and telecom provider efforts



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NDOT AUTHORITY

Grant longitudinal access for use of conduit, facilities and wireless access for fair compensation

- ◆ Develop regulations and policies
- ◆ Enter into an agreement
- ◆ Issue an encroachment permit



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CONTENT OF AGREEMENT

- ◆ Terms of renegotiation
- ◆ Terms of maintenance
- ◆ Term of 30 years or less
- ◆ Does not grant a property interest in a r/w
- ◆ Fair, reasonable, competitively neutral, and nondiscriminatory compensation



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COMPENSATION



- ◆ Based on a fair-trade value
- ◆ Cash or in-kind compensation
- ◆ Monetary compensation placed in the Highway fund
- ◆ In-kind compensation used for statewide telecommunications purposes



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- ◆ Establish NDOT regulations & policies 
- ◆ Develop valuation formula 
- ◆ Identify NDOT needs & priorities 
- ◆ Identify state needs & priorities
- ◆ Coordinate with OSIT and TAC
- ◆ Coordinate with telecom industry



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- ◆ Bi-annual planning meetings with providers and state & local agencies
- ◆ Establish single POC to simplify inquiries
- ◆ Establish r/w valuations with 5 yr updates
- ◆ Maximize effectiveness of trades
- ◆ Keep trade balance sheet



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BENEFITS

- ◆ Expands infrastructure statewide
- ◆ Reaches underserved and unserved areas
- ◆ Attracts fiber telecom providers to cities and counties
- ◆ Reduces costs through coordinated construction efforts



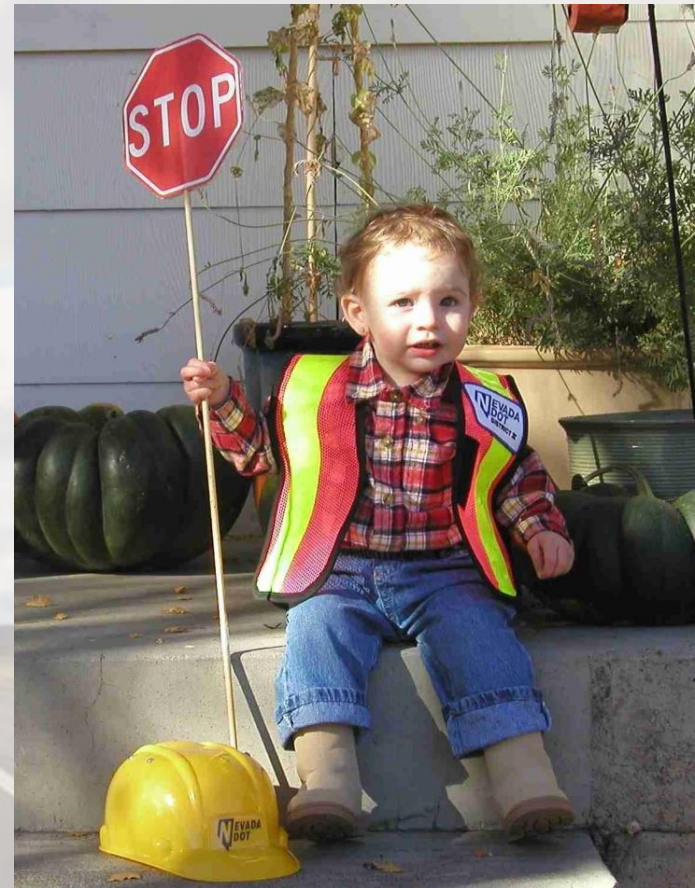
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NEVADA DOT

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Trade, trade, trade



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FIBER TRADE EXAMPLE

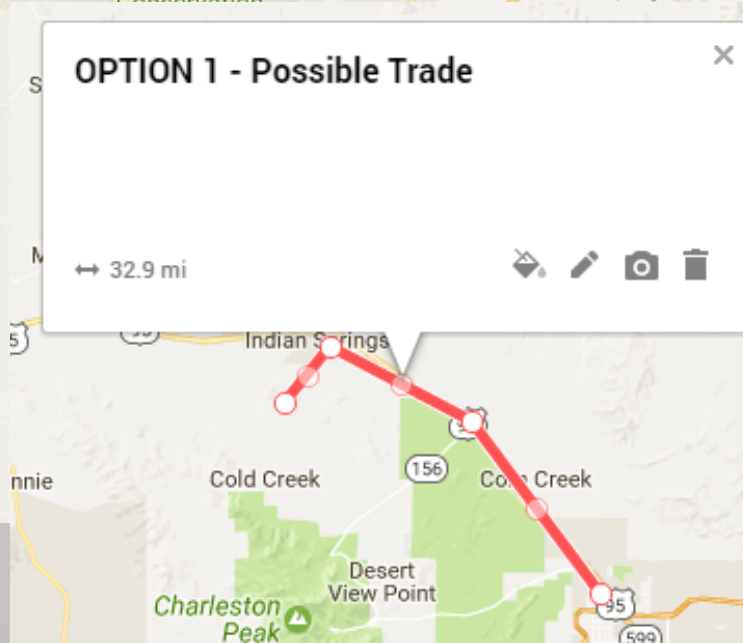
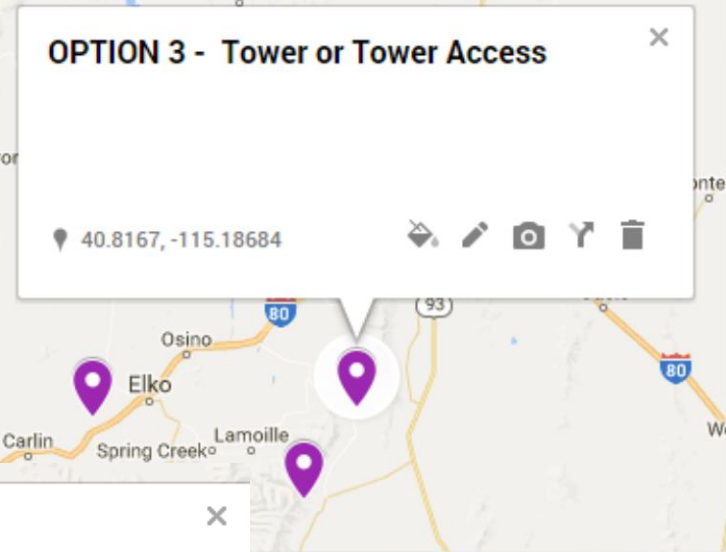
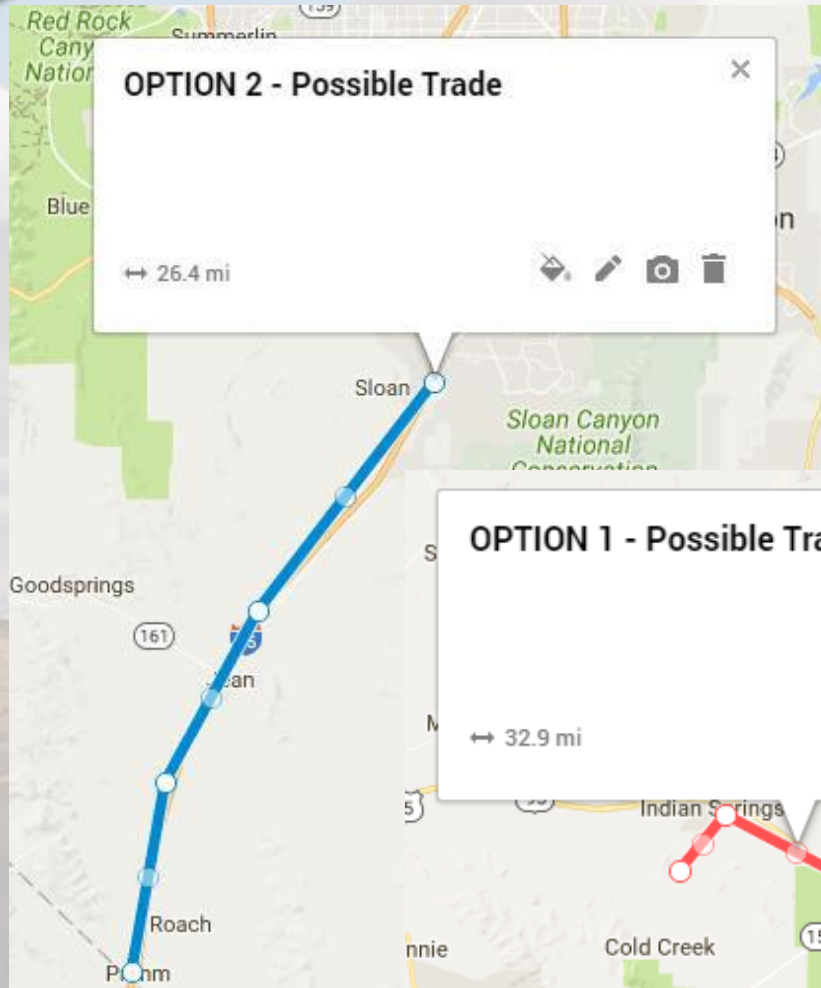


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FIBER TRADE EXAMPLE



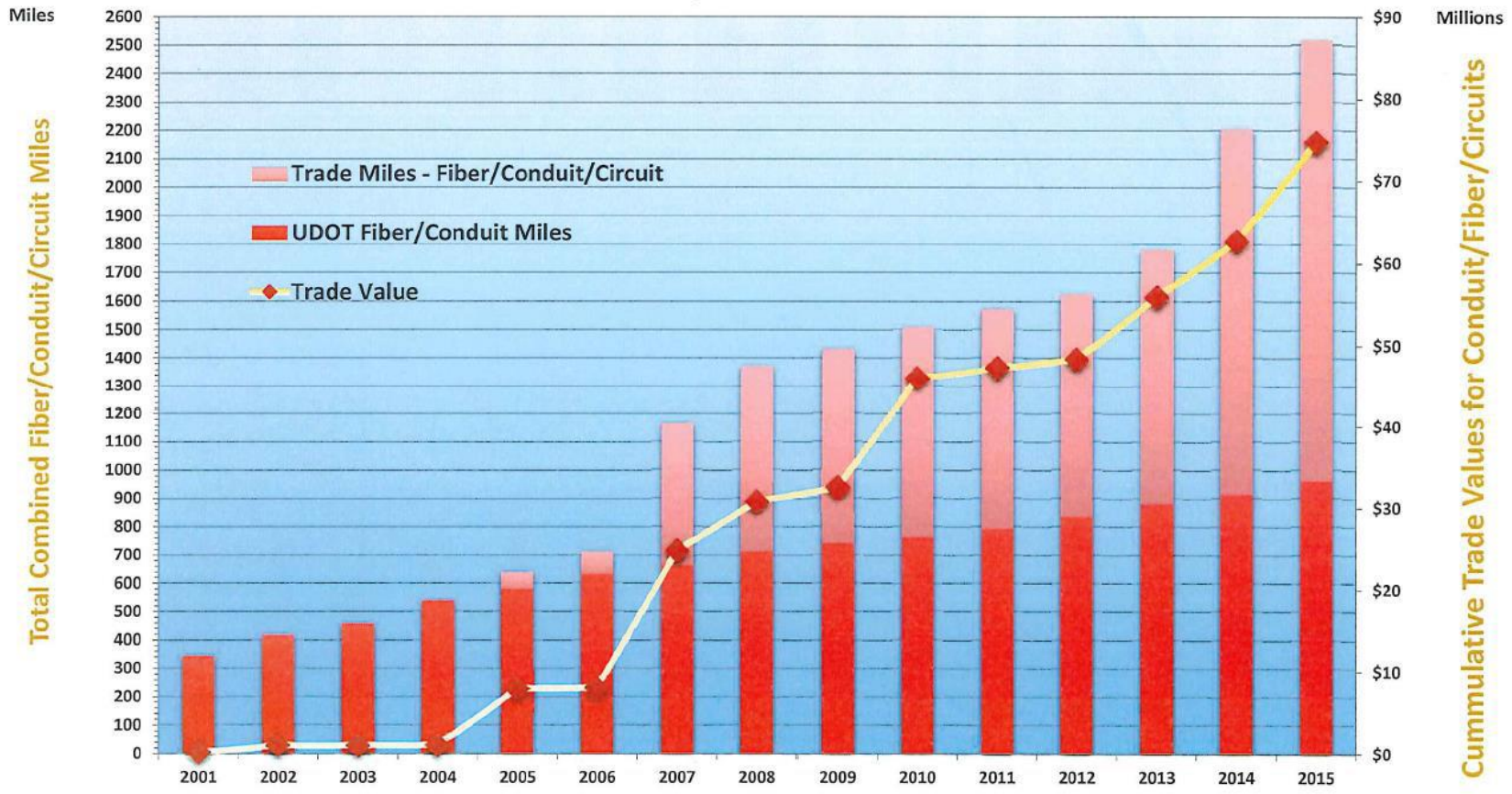
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UDOT IMPLEMENTATION

UDOT's Fiber Optic Network 15 Years



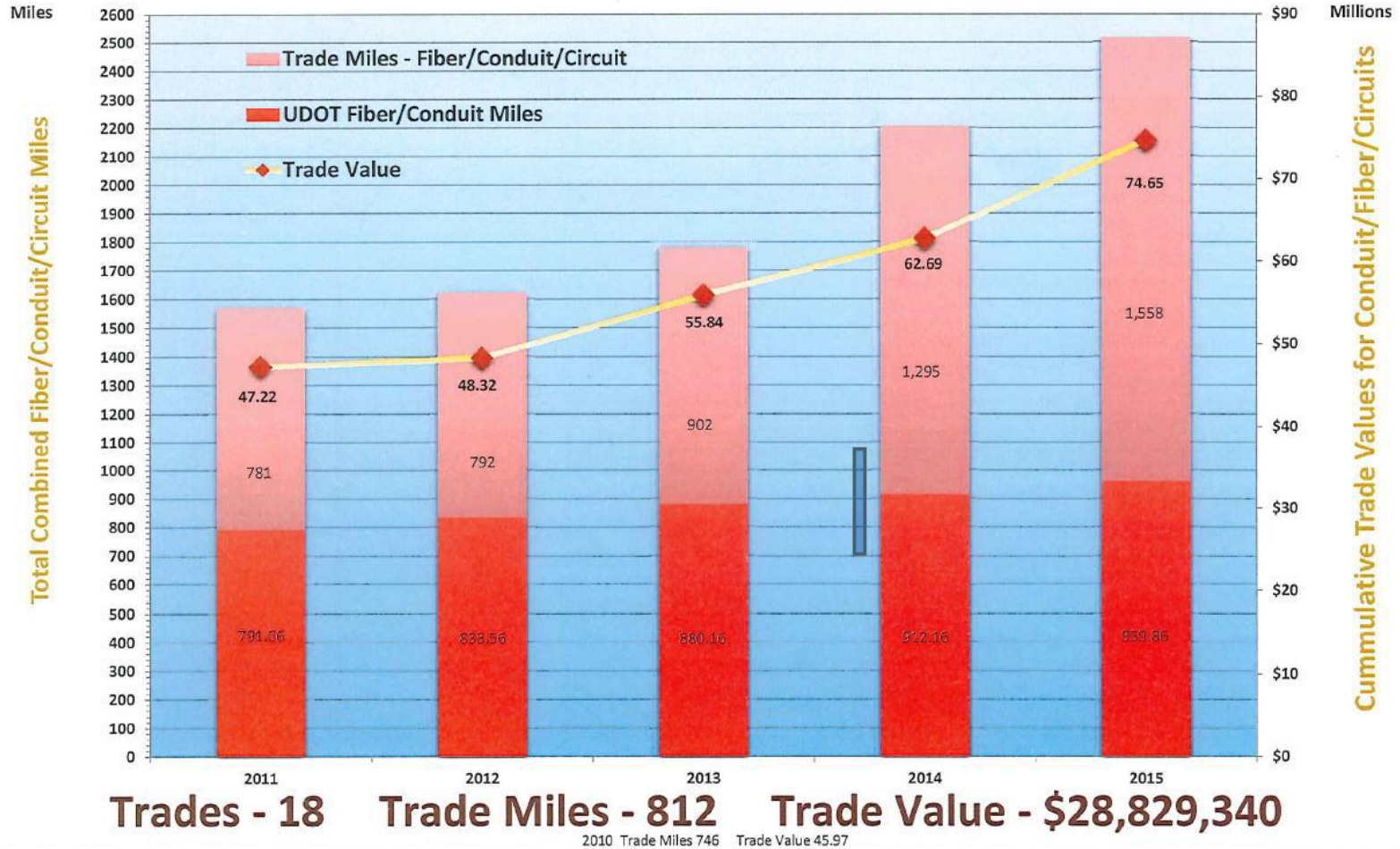
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RETURN ON INVESTMENT

UDOT's Fiber Optic Network 2011-2015



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