Broadband Connectivity Update

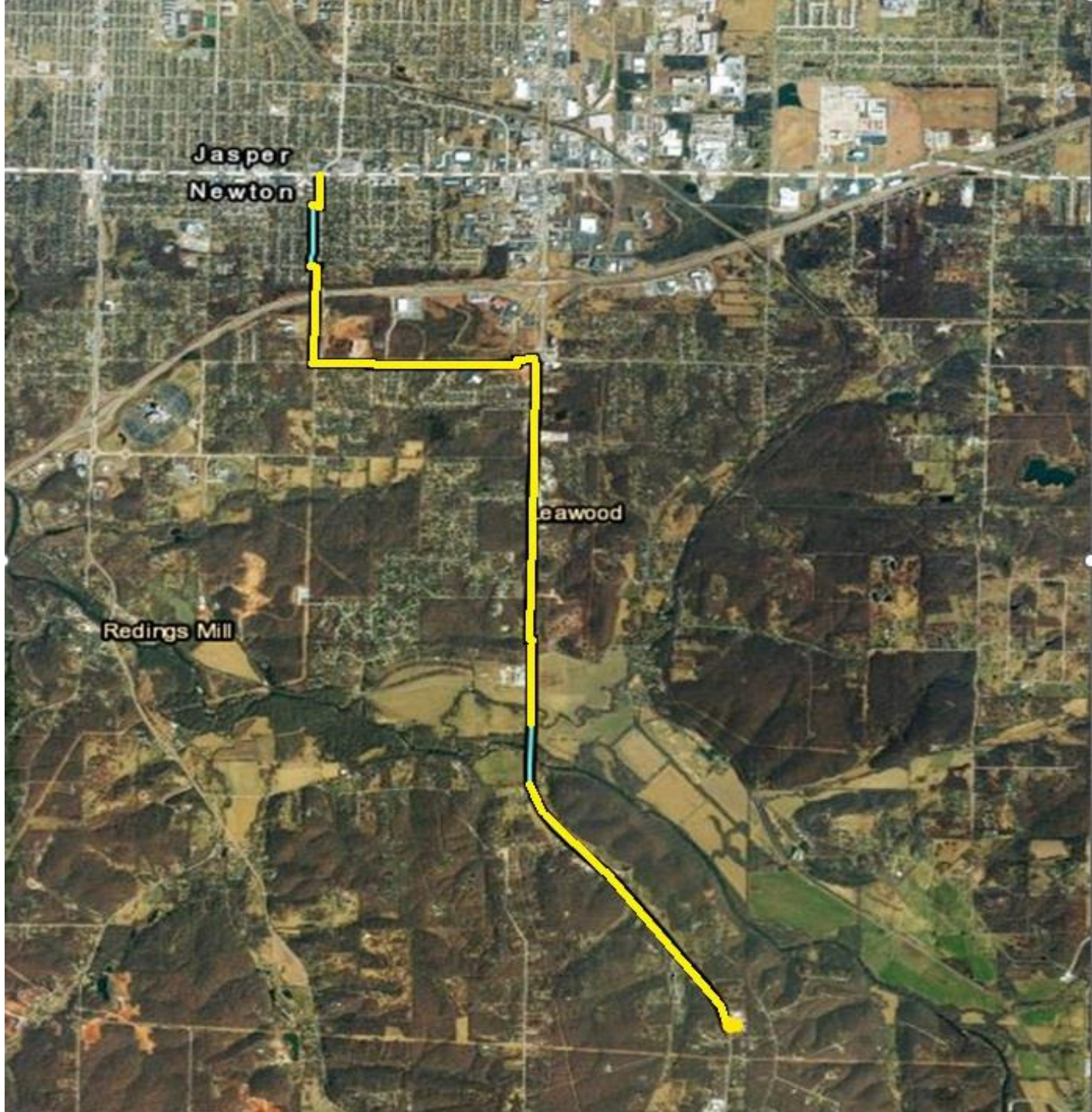
JOPLIN
MISSOURI

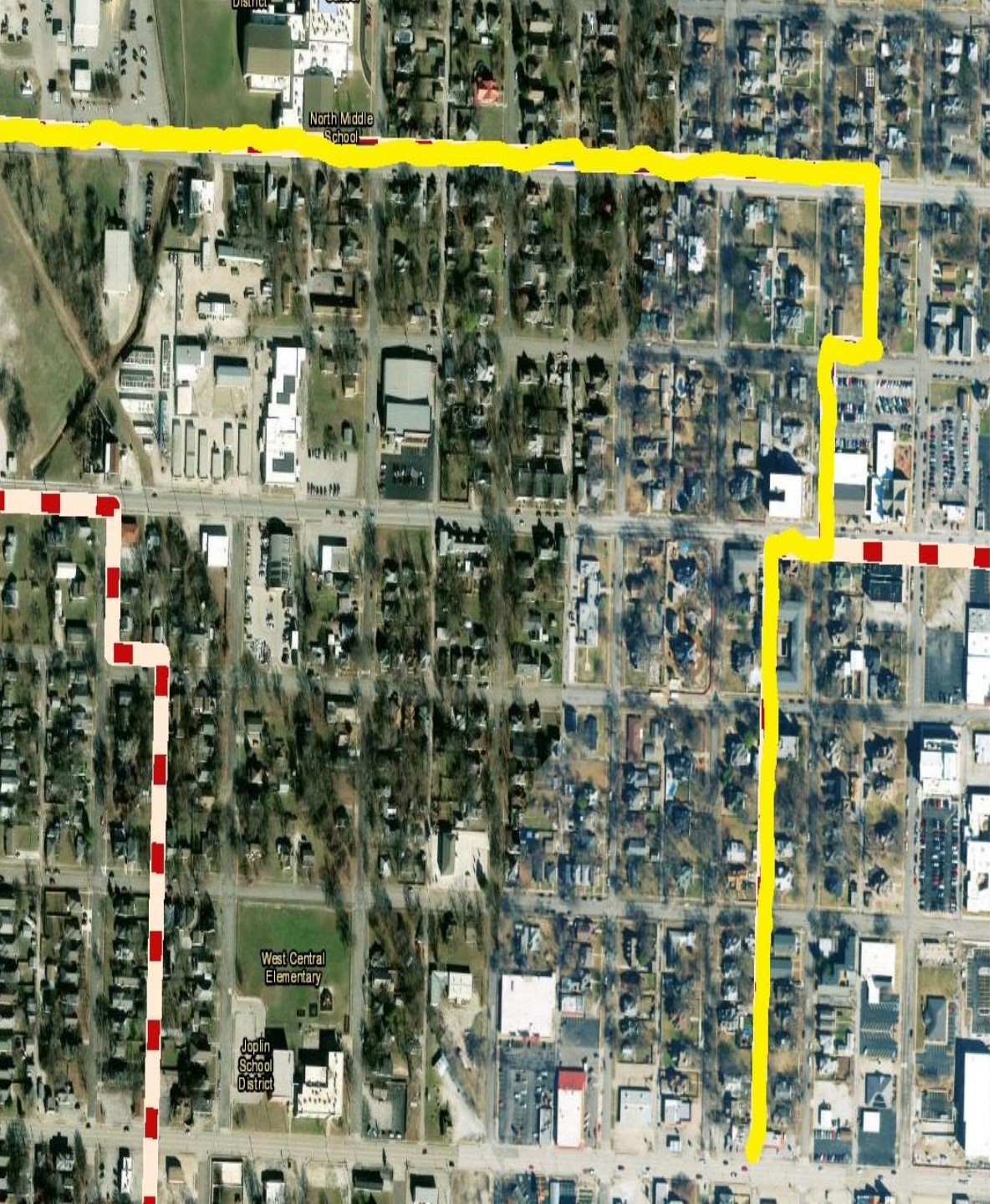
ALLO Fiber Underground Construction

August 2025

South Transport

- 95% conduit in the ground.
- I44 crossing has been completed.
- Next big milestone is to get across Shoal Creek.
- Once conduit is complete fiber will be installed.





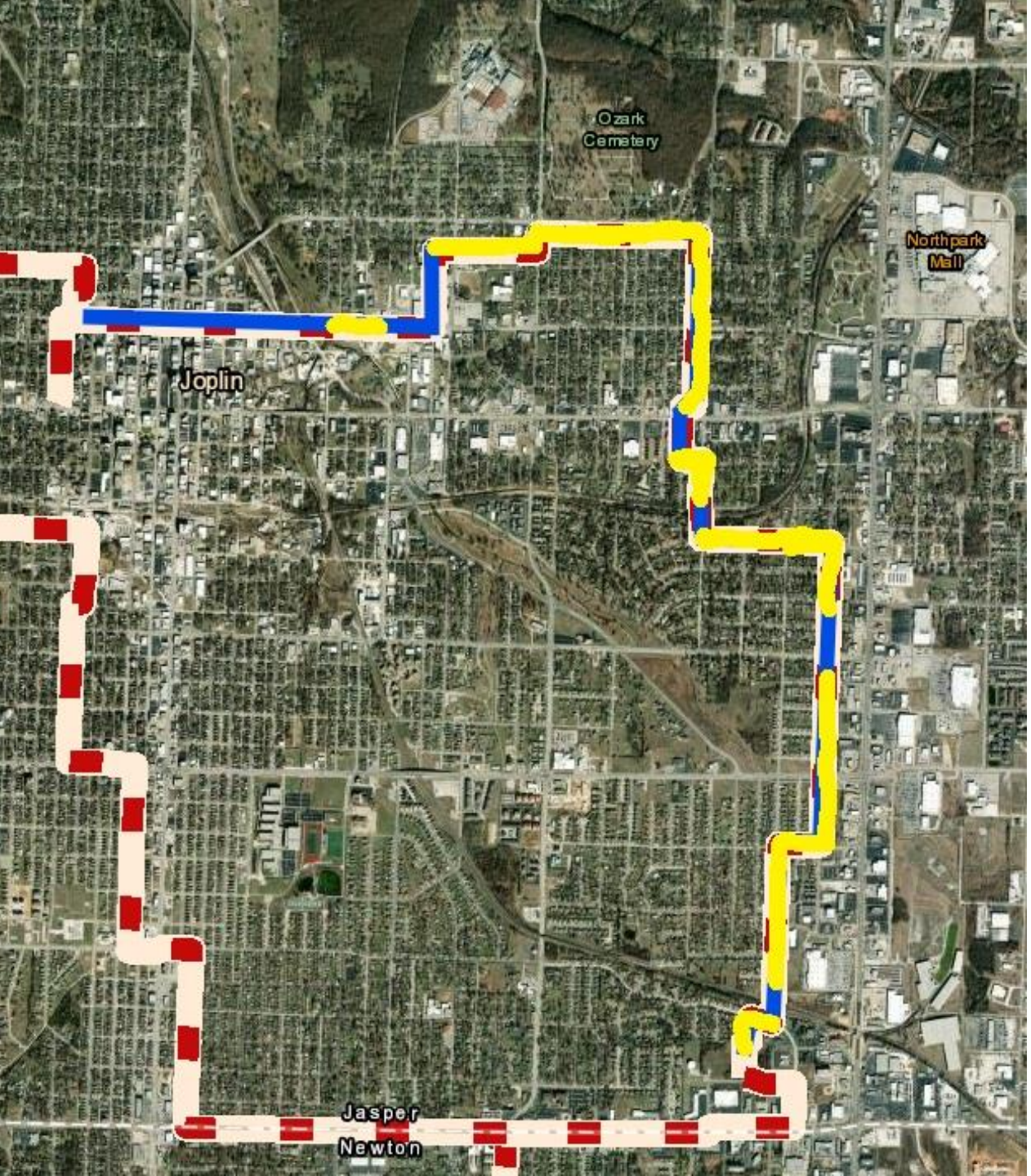
North Transport

- Conduit 100% complete.
- Fiber from MMP to CO1 is installed.
- Next milestone is to install MSTs to get homes and business online.

Southwest Feeder Ring

- 63% complete with conduit.
- Next big Milestone is getting 32nd St done.
- Once conduit is complete, we will start pulling in fiber.

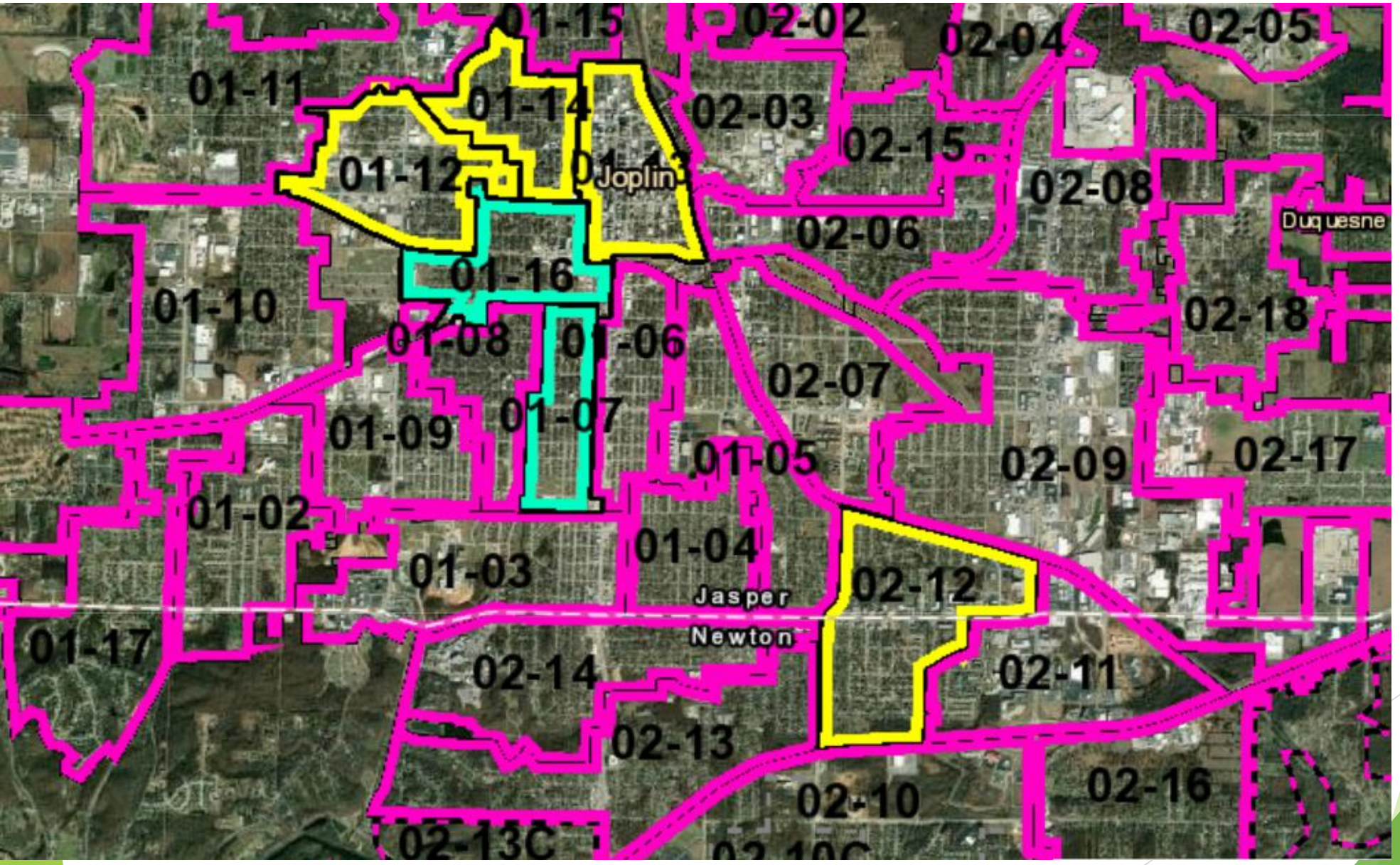




Northeast Feeder Ring

- 70% complete with conduit.
- Next milestone is 4th street and 32nd street.
- Fiber will be pulled in once conduit is complete.

PONs


01-15
02-02
02-04
02-05
01-11
01-14
02-03
02-15
01-12
Joplin
02-08
Duquesne
02-06
01-16
01-10
02-18
01-08
01-06
02-07
01-09
01-07
01-05
02-09
02-17
01-02
01-04
01-03
02-12
Jasper
Newton
01-17
02-14
02-11
02-13
02-16
02-10
02-13C

PON Update

- PON 2-12
  - 42% complete with conduit
  - Pole anchors have started to be set for aerial crews, and some strand has been pulled.
- PON 1-14
  - 45% complete with conduit
  - Aerial crews have started setting anchors and pulling strand for fiber.
- PON 1-12
  - Started boring this month.



Smarter Joplin Roadmap 2.0

City Council Presentation

August 4, 2025

Agenda:

- Joplin's Journey – Smarter Joplin Roadmap 1.0
- Why Now? - Fiber Deployment Progress
- Next Steps – Smarter Joplin Roadmap 2.0

Disaster Recovery to Advancing Connectivity & Technology Advancement

During the post-tornado assessment period, the lack of adequate City-wide connectivity was noted; this deficiency was identified as a limiting factor for full economic revitalization. During the implementation of the Capital Plan, CDBG-DR funds were designated to develop a strategic plan to identify the economic possibilities of a 'fully connected' City of Joplin.

Timeline

- **2013-2015** Disaster recovery Assessments and Long-term Capital Recovery Planning
- **2018-2019** Smarter Joplin Roadmap 1.0
- **2021** Broadband Gap Analysis Report.
- **2022** RFI published to assess interest for Private Sector connectivity partnership
- **2023** RFP published and proposals received. ALLO Fiber selected.
- **2024** Commence city-wide fiber optic network deployment
- **2025** Smarter Joplin Roadmap 2.0

Market Forces

The 2019 Smarter Joplin Roadmap 1.0 identified **five critical market forces**:

Increasing Urbanization
And population demographics shift to larger cities

Scarcity of Resources (Workforce / Talent)
And materials across the region

Rapidly Evolving Technology
That disrupts industries, businesses, and the general public's daily lives

Addressing Unique Technology
Needs of different demographic populations, ranging from Gen Z to the Baby Boomers

Economic Influence of Concentration of Population
Exacerbating inequality

2019 Smarter Joplin Roadmap Vision & Goals

In 2019, the Joplin City Council approved an ambitious vision to transform the City outlook from tornado recovery into a forward-looking technology focused community that attracts businesses and enhances quality of life. The 2019 Roadmap identified eleven priority projects that, with improved fiber infrastructure, could be a foundational of that vision.

11 Key Projects Identified

1. More Efficient City Operations
2. Smart Education Programs
3. Coordinated Joplin Brand
4. Expand Internet Access
5. Innovation District
6. Sewer/Flood Management Sensors
7. Smart Streetlights
8. Asset Location & Performance Tracking
9. Traffic Management System
10. Predictive Analytics for Operations
11. Centralized City Data platform

Joplin’s Competitive Advantage

Joplin's soon-to-be completed fiber network will give the community a competitive advantage over comparable cities and will unlock smart technology possibilities that were impossible before. Joplin will soon be equipped to attract tech firms and entrepreneurs, implement advanced public services, and position the City as the Four States' regional innovation hub.

Community Resilience

The community of Joplin came together and successfully recovered from the tornado

Fiber Network

Provides the infrastructure essential for attracting tech companies & enabling smart city services

Four States Location

Positioned as the economic center of the Four States Region offering market access



Education & Healthcare

Home to colleges, medical/ dental schools, and healthcare facilities, supplying skilled workforce

Emerging Tech Cluster

Developing technology sector that can be accelerated with fiber infrastructure & smart city initiatives

Clean Slate Advantage

Post-tornado rebuilding created modern infrastructure compared to cities with legacy constraints

Your Vision for a Smarter Joplin

Joplin can become the Four States' premier technology-enabled community where government operates with digital efficiency and businesses thrive in an innovation ecosystem, while residents enjoy enhanced services and an improved quality of life. The City's fiber investment can support major socio-economic developments and position it as a model for Smart City transformation.

Development of Smart City Roadmap 2.0 Plan



Assess	Engage	Identify	Plan	Finalize
Reassess strategic objectives and community goals/needs with potential project sponsors	Identify key stakeholders and special interest groups	Map potential projects enabled by fiber	Identify projects for detailed Project Execution Plans, to determine project feasibility and impact	Finalize Smarter Joplin Roadmap 2.0 Plan recommendations

Questions?

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