

Franklin County Connector Project

Project Information

Ameren Missouri is planning to construct and operate two new 138 kilovolt (kV) transmission lines and one new substation in Franklin County, Missouri.

The Franklin County Connector Project includes constructing the new Tibbe Substation (Tibbe) near East State Highway 47 and College Road, approximately 6 miles of new 138 kV transmission line from Tibbe to the existing Franklin Substation on Bieker Road, and approximately 11 miles of new 138 kV transmission line from Tibbe to the existing Gray Summit Substation on Old Highway 100. The project also includes upgrades to both the Franklin and Gray Summit substations.

The Franklin County Connector project is the result of more than 15 years of planning to meet the evolving energy needs of Union and Franklin County. Studies first identified the need for additional electric infrastructure in 2008, and that need has only grown.

Since 2000, the City of Union's population has increased by approximately 75 percent, bringing in more homes, businesses and improvements necessary for reliable electric service. Updated planning studies completed in 2024 and 2025 reaffirmed the need for additional infrastructure to support the area's growing communities and help ensure reliable service for years to come.

Just as roads are expanded to accommodate a growing population, electric infrastructure must also grow. This project adds capacity and alternate pathways for electricity, helping maintain reliable service for local homes and businesses.

Community Benefits



Reliability – Improving energy reliability for the surrounding region and local communities

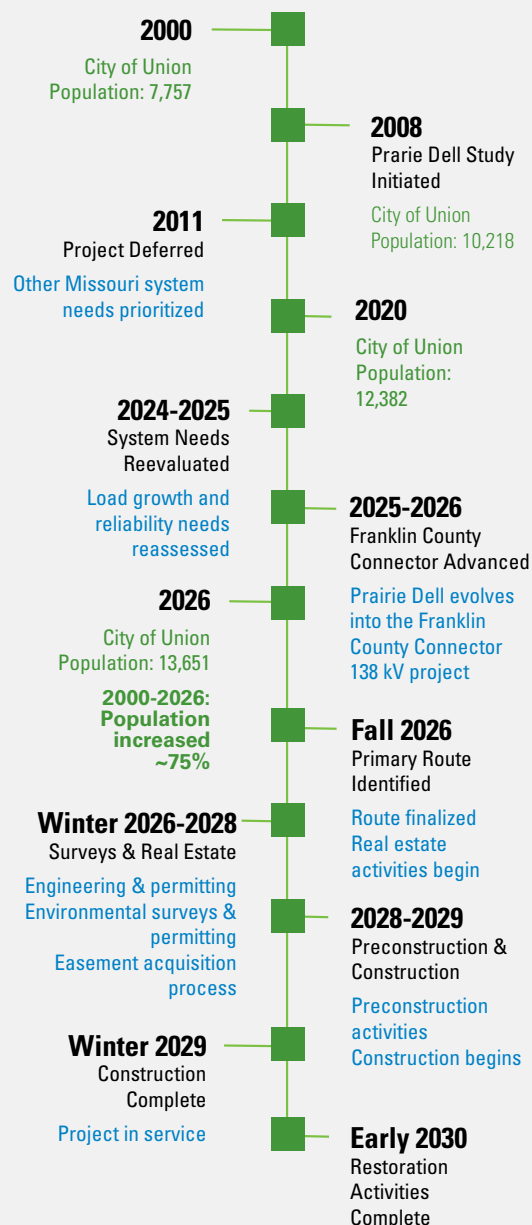


Transmission Capacity – Increasing transmission capacity to meet increased energy needs of the community

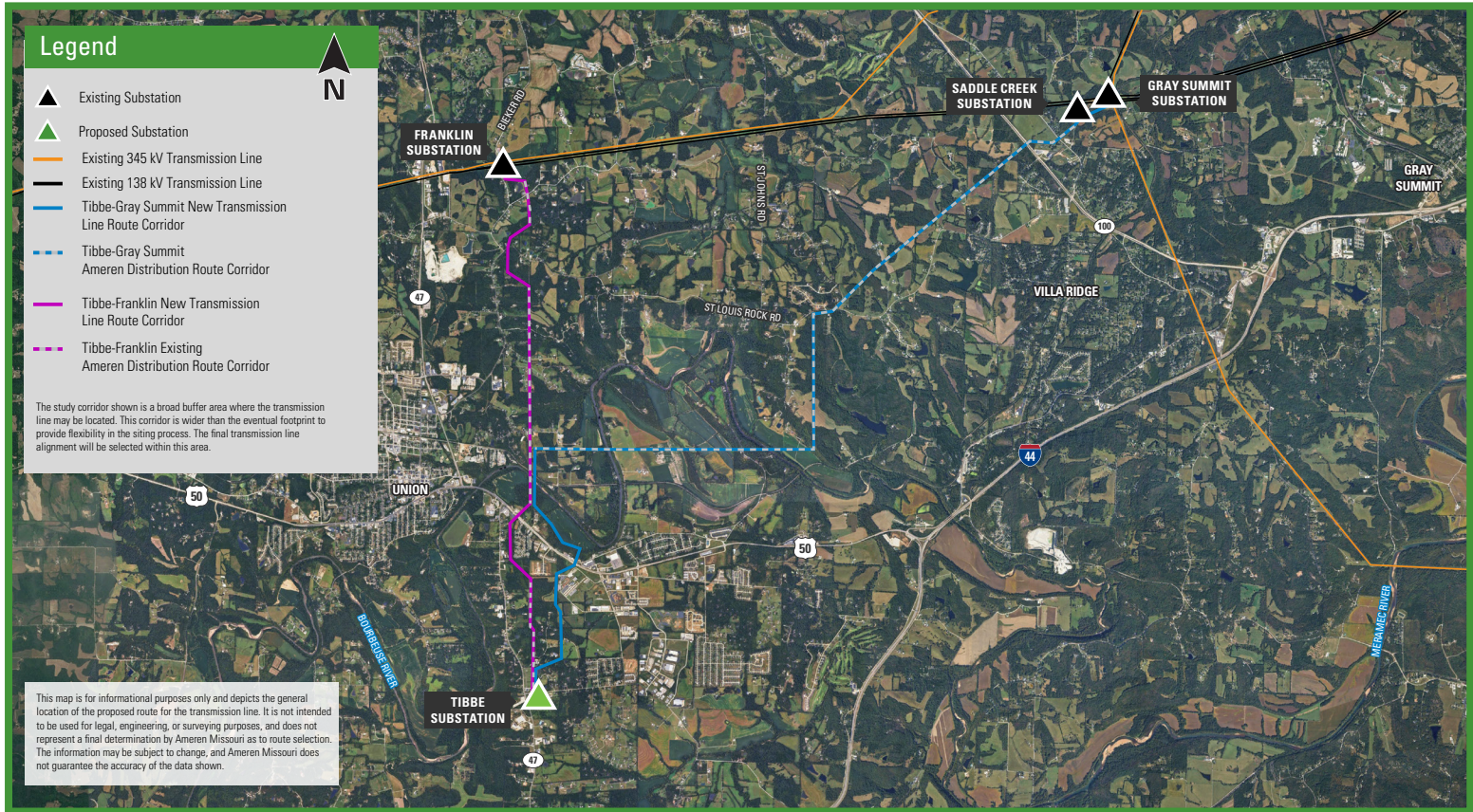


Energy Access – Promoting access to a balanced mix of energy sources

Anticipated Schedule



Study Area



Connect With the Project Team



Ameren.com/FranklinCounty



636-214-6086



contact@franklincountyconnector.com



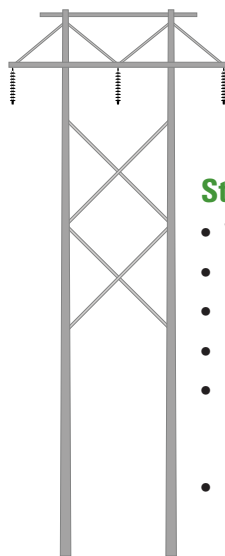
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ATTN: WSP
701 Emerson Road, Suite 250
Creve Coeur, MO 63141

Scan this code to
learn more and sign
up for email alerts

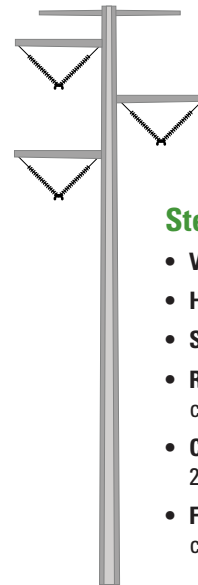


Typical Structures:



Steel H-Frame

- **Voltage:** 138 kV
- **Height:** 70 - 110 ft.
- **Span:** 600 -1,000 ft.
- **Right-of-Way:** 100 ft.
- **Conductor ground clearance:** 21 ft. (minimum)
- **Foundation:** Directly embedded with rock backfill



Steel Monopole

- **Voltage:** 138 kV
- **Height:** 80 - 130 ft.
- **Span:** 500 -1,000 ft.
- **Right-of-Way:** 100-125 feet if co-located with distribution
- **Conductor ground clearance:** 21 ft. (minimum)
- **Foundation:** Drilled pier concrete, 6 - 9 ft. in diameter