

Crossroads Connector Project

Project Information

Ameren Missouri is working to build a more reliable and resilient energy grid for the future.

The Crossroads Connector Project includes the construction of a new substation named Float and approximately 22 miles of new double circuit, 345 kilovolt (kV) transmission lines developed in two phases.

Phase 1 of the project includes constructing approximately 4 miles of new 345 kV double circuit transmission line to connect the new Lumberjack substation southeast of New Florence to the existing Montgomery-Callaway 345 kV transmission line located west of New Florence.

Phase 2 of the project includes constructing approximately 18 miles of new 345 kV double circuit transmission line and a new substation named Float west of Warrenton. The new line will connect the Float substation to the new Nightingale and Lumberjack substations located east and southeast of New Florence.

The Project will increase electric transmission grid capacity to meet the anticipated energy demand from new economic development in the area. As the local energy provider, Ameren Missouri is responsible for delivering the power required to meet growing demand from customers consistent with its Missouri Public Service Commission-approved tariffs. The stronger transmission infrastructure will offer reliability benefits for energy customers in the area.

Project Benefits



Increasing transmission capacity to meet growing energy demand



Improving energy reliability for the surrounding area

Overall Schedule

2026

- Gather input from:
 - Public stakeholders
 - Community stakeholders
 - Regulatory and government agencies
- Complete route siting studies
- Identify potential transmission line routes

2027

- Begin easement acquisition
- Conduct environmental surveys
- Complete engineering and permitting activities
- Start pre-construction work
- Begin construction on both phases

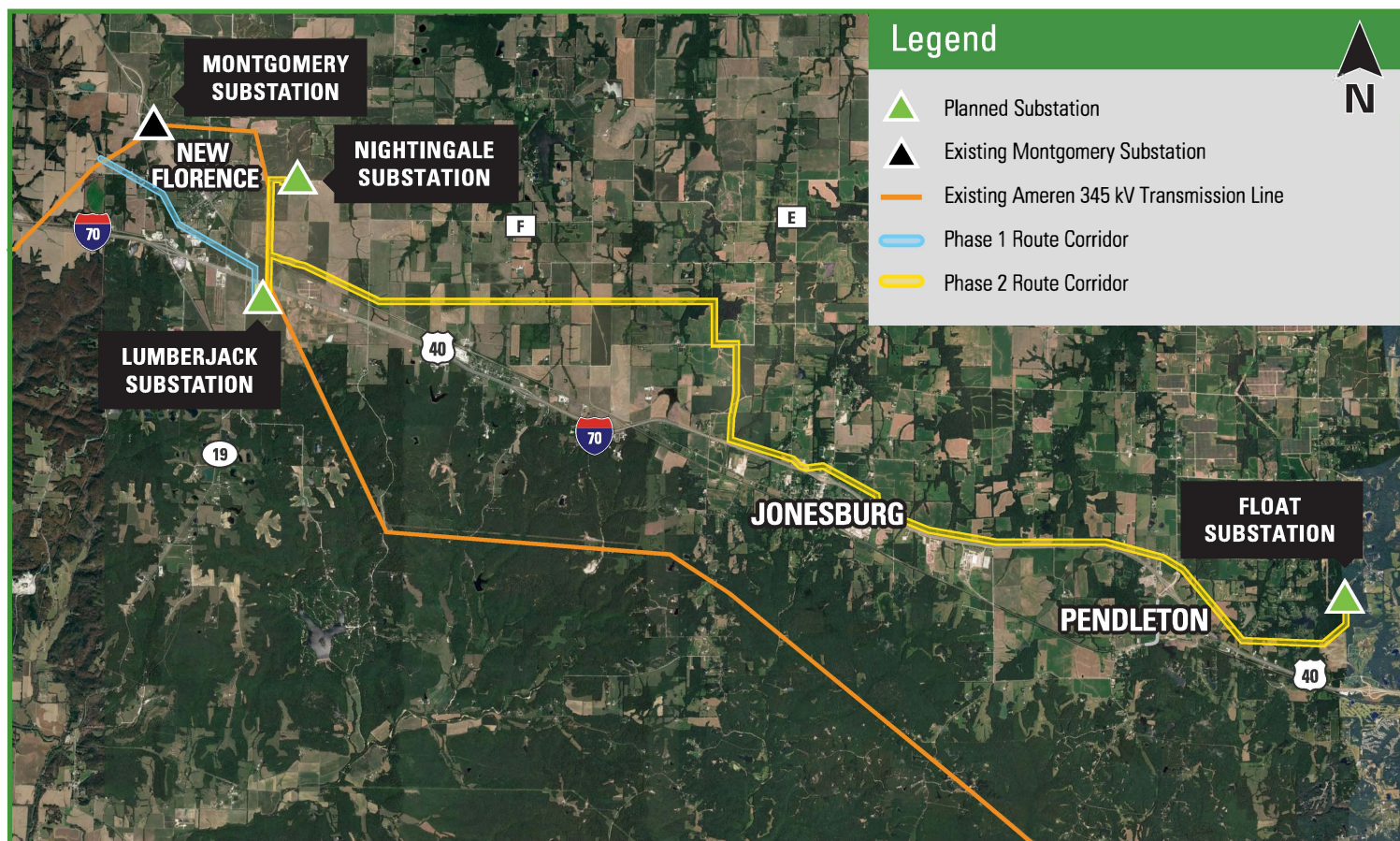
2028

- Continue transmission line construction
- Complete the Float Substation
- Place both project phases into service

2029

- Complete project restoration activities

Study Area



DISCLAIMER: This map is for informational purposes only and depicts the general location of the proposed route for the transmission line. It is not intended to be used for legal, engineering, or surveying purposes and does not represent a final determination by Ameren Missouri as to route selection. The information may be subject to change, and Ameren Missouri does not guarantee the accuracy of the data shown.

Connect With the Project Team



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Crossroads Connector Project

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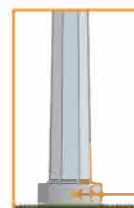
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Typical Structures: Single Steel, Self-Supporting Monopole



- **Voltage:** 345 kV
- **Phase 1 Height:** 100–140 ft.
- **Phase 2 Height:** 100–180 ft.
- **Span:** 800–1,000 ft.
- **Structures per mile:** 6–7
- **Conductor ground clearance:** 25 ft. (minimum)
- **Foundation:** Direct embed and/or **drilled pier foundations**, 8–10 ft. in diameter and 2 ft. above ground



What are drilled pier foundations?

Holes are drilled and then concrete is poured into the ground to support the transmission structures.