

Eastern Missouri Grid Transformation Project in St. Louis County and the City of St. Louis

February 2026

Ameren Transmission Company of Illinois (ATXI) and Ameren Missouri are working together to build a more reliable and resilient energy grid for the future. The Eastern Missouri Grid Transformation Project includes more than 130 miles of new or upgraded transmission lines through six (6) Missouri counties, including Marion, Ralls, Pike, Lincoln, St. Charles and St. Louis counties, as well as the City of St. Louis, with a targeted in service date of 2032.

This Project consists of five (5) segments, including the **Graus-Bugle** and **Bugle-Mississippi River Crossing** segments within St. Louis County and the City of St. Louis. These segments upgrade the transmission line, and specifically in St. Louis County and the City of St. Louis, the Project involves:

ST. LOUIS COUNTY REPLACEMENT

Replacing **16 miles** of existing steel monopoles and lattice towers with new steel monopoles to carry additional energy. In most instances, the number of structures is lessened with a smaller footprint due to design and longer spans. New structures will typically be constructed within existing corridors. A short section of transmission line near Bugle Substation may be routed along a new corridor outside of existing right-of-way.

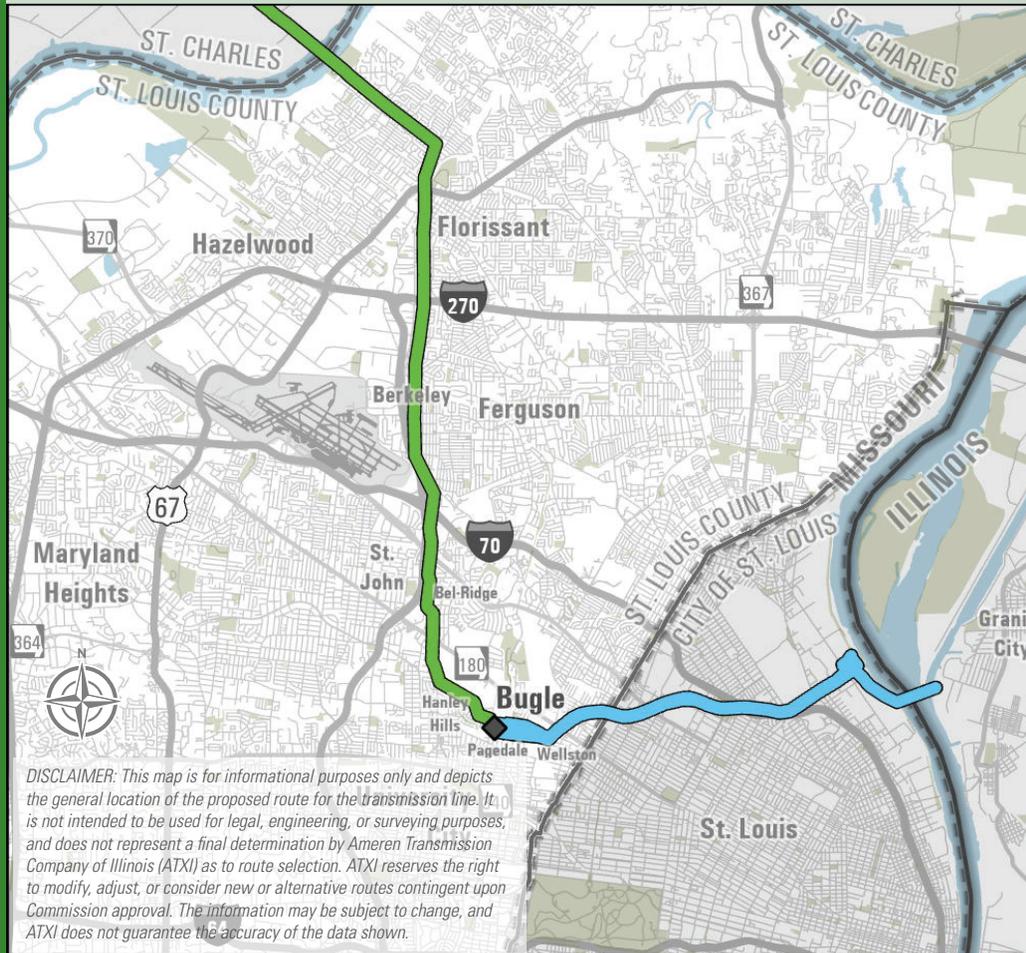
CITY OF ST. LOUIS REPLACEMENT

Replacing **10 miles** of existing steel monopoles and lattice towers with new steel monopoles to carry additional energy. In most instances, the number of structures is lessened with a smaller footprint due to design and longer spans. New structures will typically be constructed within existing corridors. Up to 2 miles of new 345 kV transmission may be re-routed along a new corridor outside of existing right-of-way.

Study Area



All items shown are subject to change throughout the routing and filing process.



- Graus - Bugle 345 kV Existing Transmission Replacement
- Bugle - Mississippi River 138/345 kV Existing Transmission Replacement
- ◆ Existing Substation
- Protected Land

The Project will prepare the grid for the future by replacing aging infrastructure, adding transmission capacity to ensure reliability and resiliency, and promoting more access to a balanced mix of energy sources for communities.

PUBLIC AND STAKEHOLDER INVOLVEMENT

Community leaders and members of the public will have various opportunities to provide input during each phase of the routing process as a preferred and alternate route are defined and submitted for certification by the Missouri Public Service Commission later this year. The goal of the routing process is to identify and take advantage of opportunities while understanding and minimizing impacts to sensitivities and adhering to technical guidelines and statutory requirements. The project team will continue to engage local communities as the project progresses.

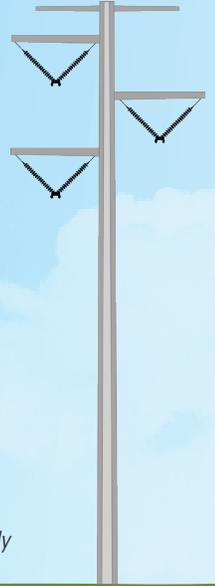
TYPICAL STEEL MONOPOLE STRUCTURES

-  Voltage: 345 kV
-  Height: 110-160 ft.
-  Span: 500-700 ft.
-  Structures per mile: 7 to 10
-  Conductor ground clearance: 25 ft. (minimum)
-  Foundation: Drilled pier



TYPICAL STEEL MONOPOLE STRUCTURES

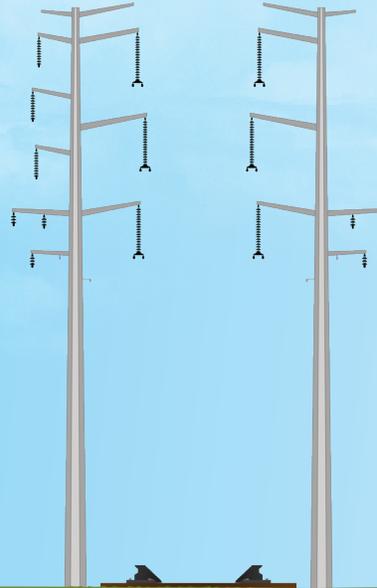
-  Voltage: 345 kV
-  Height: 85-150 ft.
-  Span: 500-700 ft.
-  Structures per mile: 7 to 10
-  Conductor ground clearance: 25 ft. (minimum)
-  Foundation: Drilled pier



DISCLAIMER: Structure only to be used near the airport.

TYPICAL STEEL MONOPOLE STRUCTURES

-  Voltage: 345 kV, 138 kV, and 34.5 kV
-  Height: 125-199 ft.
-  Span: 400-900 ft.
-  Structures per mile: 7 to 9
-  Conductor ground clearance: 25 ft. (minimum)
-  Foundation: Drilled pier



At this time, we anticipate using steel monopole structures. Typical information about these types of structures is provided.

Note: This graphic is not to scale, and the number of arms on a typical structure may vary depending on the final route.

CONNECT WITH THE PROJECT TEAM

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