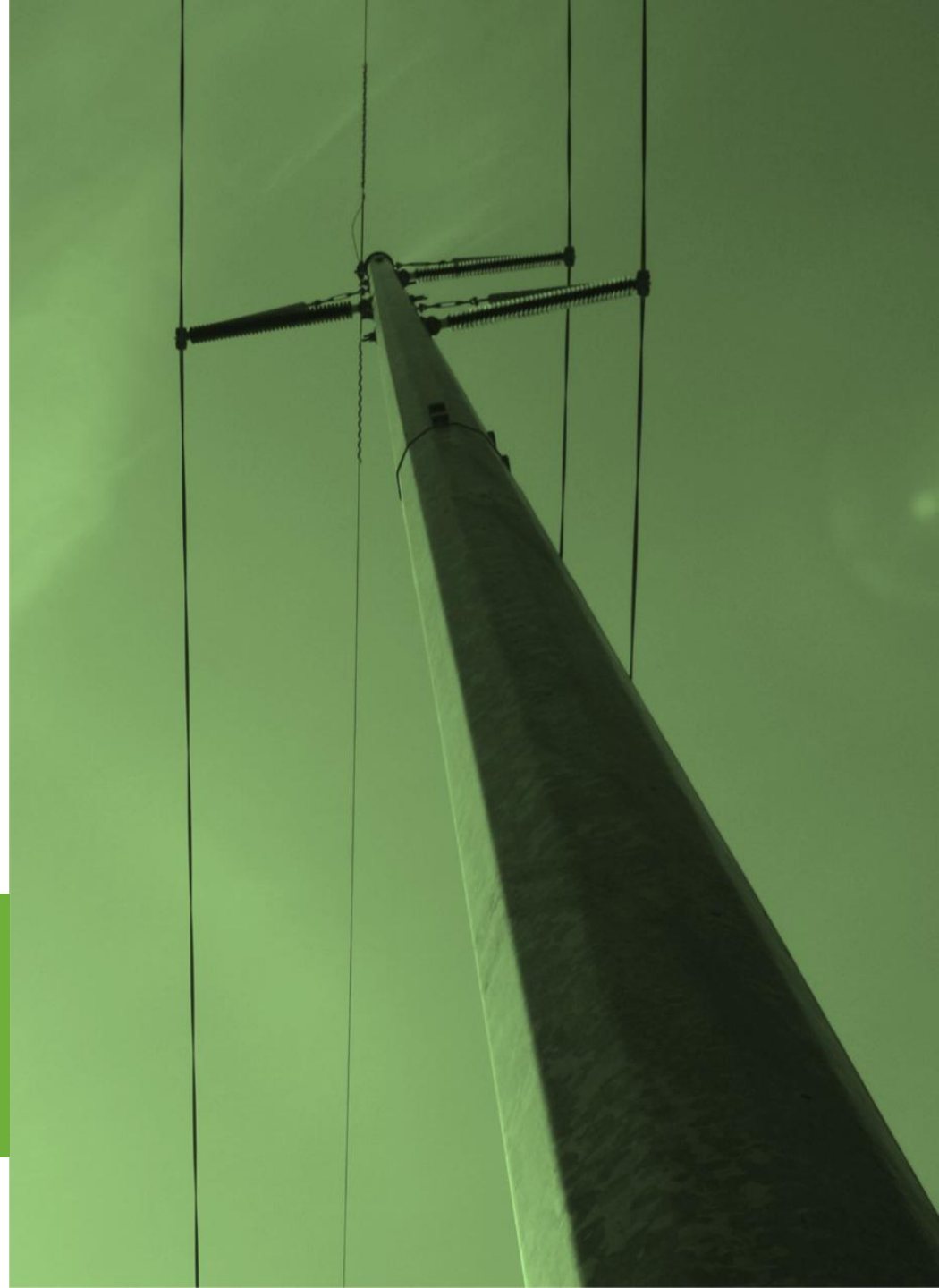
GRAND TOWER CROSSING PROJECT

August 2025



Grand Tower Crossing Project

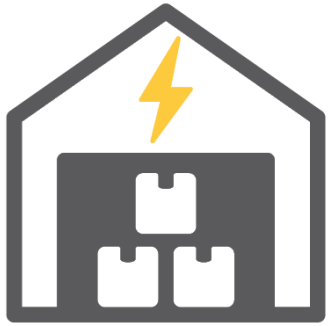
Ameren Transmission Company of Illinois (ATXI), in collaboration with Citizens Electric Corporation, is proposing the Grand Tower Crossing Project (Project) to improve energy reliability for local communities. This Project includes the construction of a new, approximately 4-mile, 138 kV transmission line to connect Citizens Electric's existing Wittenberg substation in Perry County, Missouri across the Mississippi River to a new Jenkins substation near Ameren Illinois' existing Grand Tower substation in Jackson County, Illinois. As part of the project, Ameren Illinois' Grand Tower substation will be retired.

The new line will improve energy reliability for the surrounding region and local communities.

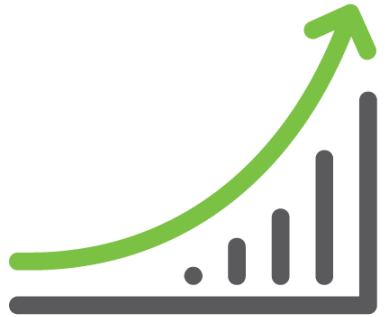
Our goal is to have this project completed and bringing project benefits to the local community by the end of 2028.

Project Need

- Improve energy reliability for local homes and businesses



- Provide additional energy capacity and promote access from diverse sources to meet changing needs



- Support continued area economic growth

Structures

Typical 138kV Steel Monopole Structures

- Structure: Single-shaft steel poles
- Voltage: 138 kV*
- Height: 80-140 ft
- Span: 800-900 ft
- Structures/mile: 6-8
- Conductor clearance: 25 ft (minimum)
- Drilled concrete pier foundation: 7-12 ft diameter
- Typical easement width: 150 ft
- **138 kV with the potential of a future 345 kV circuit*

Note, that these graphics are not to scale. The number of arms on a typical structure and the sizing of the structure may vary depending on the final route.

Structures

River Crossing Structures

- Structure: Steel lattice towers or tubular towers
- Voltage: 138 kV*
- Height: 150-490 ft
- Span: 2800-4000 ft
- Structures/mile: 1-2
- Conductor clearance: 25 ft (minimum)
- Driven concrete and steel pile: 7-10 ft diameter
- Typical easement width: 600 ft
- **138 kV with the potential of a future 345 kV circuit*

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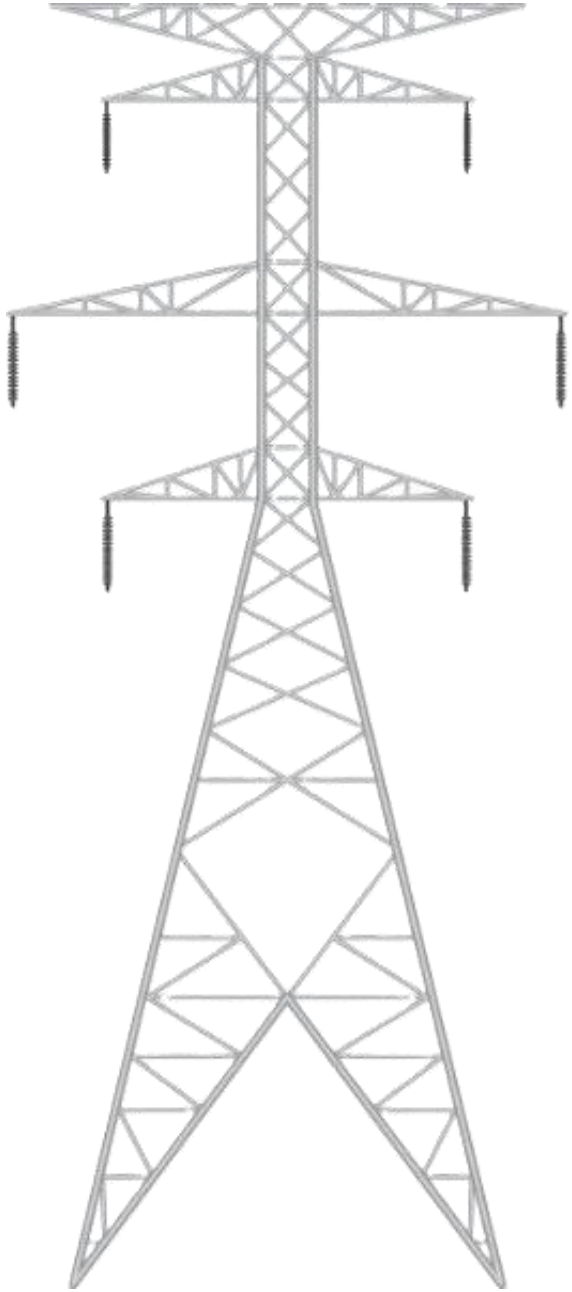
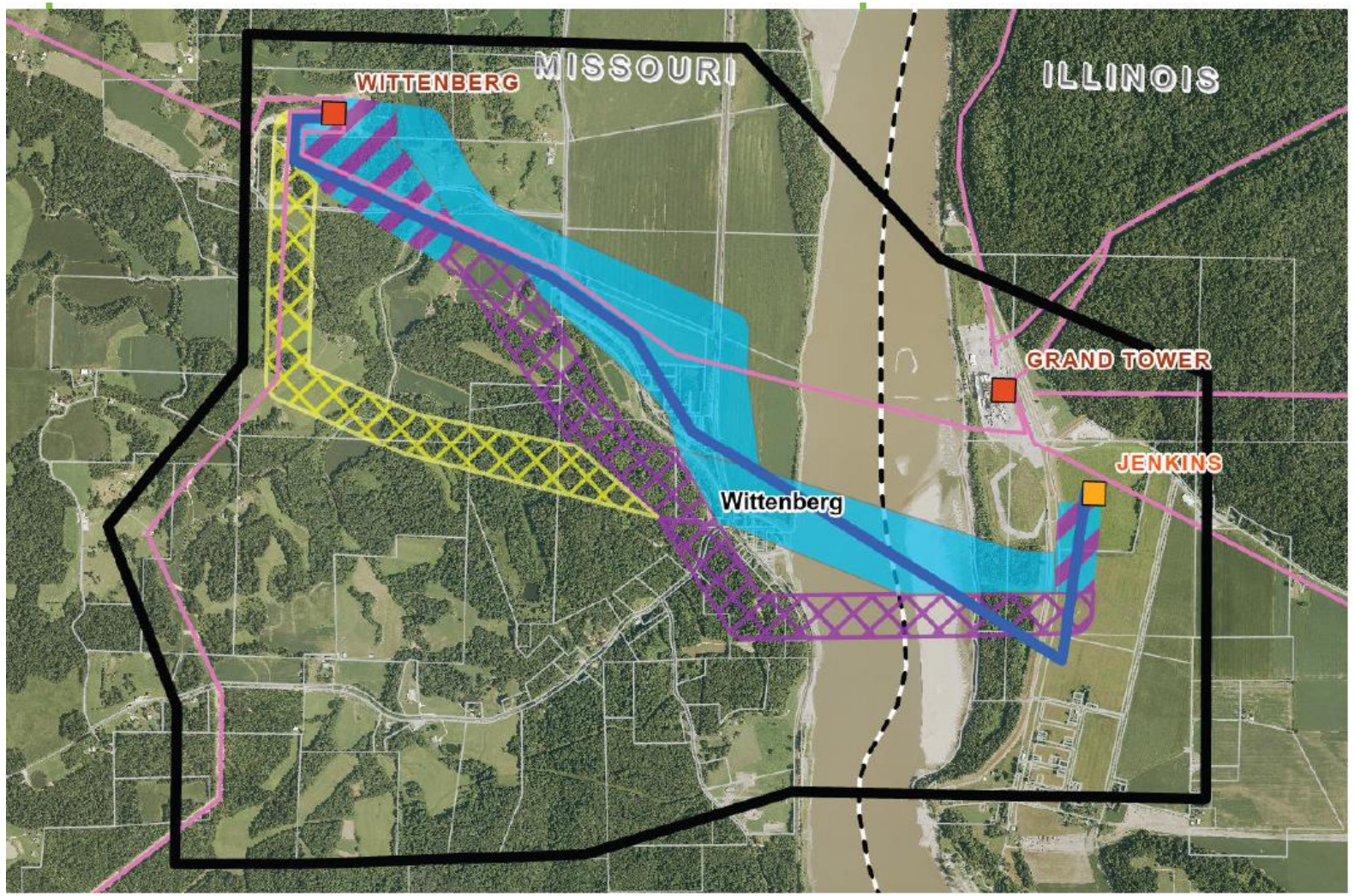


Proposed Route Filed



FINAL PROPOSED ROUTE
STUDY AREA (DECEMBER 2024)
SUBSTATIONS
NEW SUBSTATION
EXISTING TRANSMISSION LINES
STATE BOUNDARY
PARCELS

PRELIMINARY ROUTE ALTERNATIVES
PURPLE OR BLUE ROUTE
BLUE ROUTE
REMOVED FROM CONSIDERATION AFTER THE FEBRUARY 2025 PUBLIC OPEN HOUSE
REMOVED FROM CONSIDERATION AFTER THE JANUARY 2025 PUBLIC OPEN HOUSE

- Developed based on analysis of input from stakeholders and community members throughout the routing process.

River Crossing Visualization

Please note that this image is meant to serve as a visualization example for the Grand Tower Project's River Crossing.
The type of structure, sizing, and number of arms is dependent upon the final route, span length, and structure loadings.

Thank you!

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