

Deeds - Ipava Transmission Line Project (Illinois segment) Hancock County

PROJECT OVERVIEW

ITC Midwest is proposing the construction of a double circuit 345,000/161,000 volt (345/161 kV) electric transmission line that will begin at the ITC Midwest Deeds Substation in Lee County, Iowa and extend southeast into Illinois. In Illinois, ownership of the 345 kV line will transfer to Ameren, and the combined Ameren 345 kV and ITC Midwest 161 kV line will proceed to the ITC Midwest Niota Substation in Hancock County, where ITC Midwest's 161 kV line will connect. From there, Ameren's 345 kV line will continue east to Ameren's Ipava Substation. The 345/161 kV line's proposed route from the Mississippi River to the Niota Substation covers about 3.2 miles. (Please see map of the proposed study area on the back.)

Why is this line needed?

The 345 kV project is part of a group of projects that were approved by the regional electric transmission organization known as the Midcontinent Independent System Operator (MISO). These projects have been as the Midcontinent Independent System Operator (MISO) – the grid planning organization for our region, has devoted several years of intensive, collaborative effort to build needed high-voltage transmission infrastructure across the region.

The 161 kV line allows power to continue flowing between Iowa and Illinois, supporting interstate energy movement. This line also allows the system to use the lowest-cost available electricity by ensuring adequate transmission capacity and maintain system reliability during both planned and unplanned outages.

The Deeds – Ipava 345 kV project will provide numerous benefits and drive value for electric consumers locally and regionally. When completed, this transmission line will:

- Increase transmission infrastructure to **improve system reliability**
- Enhance grid resilience to better **withstand extreme weather**
- **Expand access to generation resources** for electric consumers by reducing transmission system congestion
- Improve distribution of **lower-cost energy resources**, including renewables

Whose approval is required to build this line?

The Illinois Commerce Commission (ICC) assesses proposals from utilities seeking to build transmission lines in the state. If deemed necessary, the ICC grants a Certificate of Public Convenience and Necessity (CPCN), which allows for the line to be built. As part of its review process, the ICC reviews many aspects of the project such as the need for the line and the proposed route. The ICC has very clear criteria and a clear process for utilities to follow when requesting a CPCN.

What is being done to ensure this line will be safe?

This line will be designed to meet and even exceed the National Electrical Safety Code (NESC), the nationally-recognized design standard in the United States, as well as the Iowa Electrical Safety Code. Among other things, these codes require construction to meet clearance requirements and withstand extreme weather conditions. As the line owner, ITC Midwest will make sure that the line is clear of trees and other vegetation.



FOR THE GREATER GRID.

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Deeds – Ipava Transmission Line Project

What is ITC Midwest doing to minimize impact on landowners and current land uses?

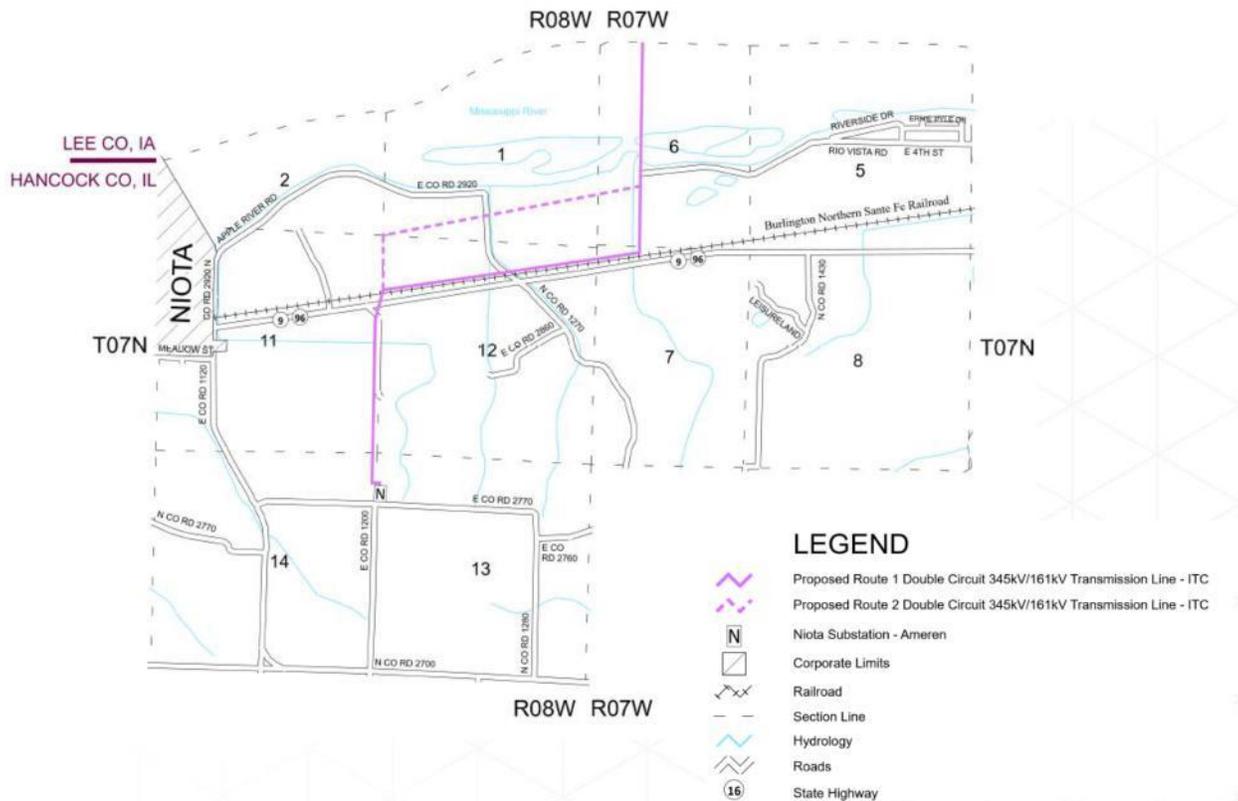
ITC Midwest seeks to minimize the impact of the line on existing land uses. The company is committed to protecting the environment and will fully compensate landowners for any damages that occur during the construction process.

Where possible, this line will be double-circuited with existing transmission lines to mitigate the need for a new transmission corridor across privately owned land. To minimize the footprint of the line, ITC Midwest plans to use steel monopoles.

Deeds – Ipava project study area

How will ITC Midwest work with landowners?

Landowners are compensated for permitting ITC Midwest to secure an easement on their property. ITC Midwest understands and appreciates the impact that line construction has on landowners and pledges to treat *all* landowners with the utmost respect during this important process.



Project Contacts

If you have questions, you can contact ITC using our toll-free customer line at 1-877-482-4829. Once construction begins, Ryan DeSotel and Isaac Anderson will be ITC Midwest's project leads.



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