

# PROJECT OVERVIEW

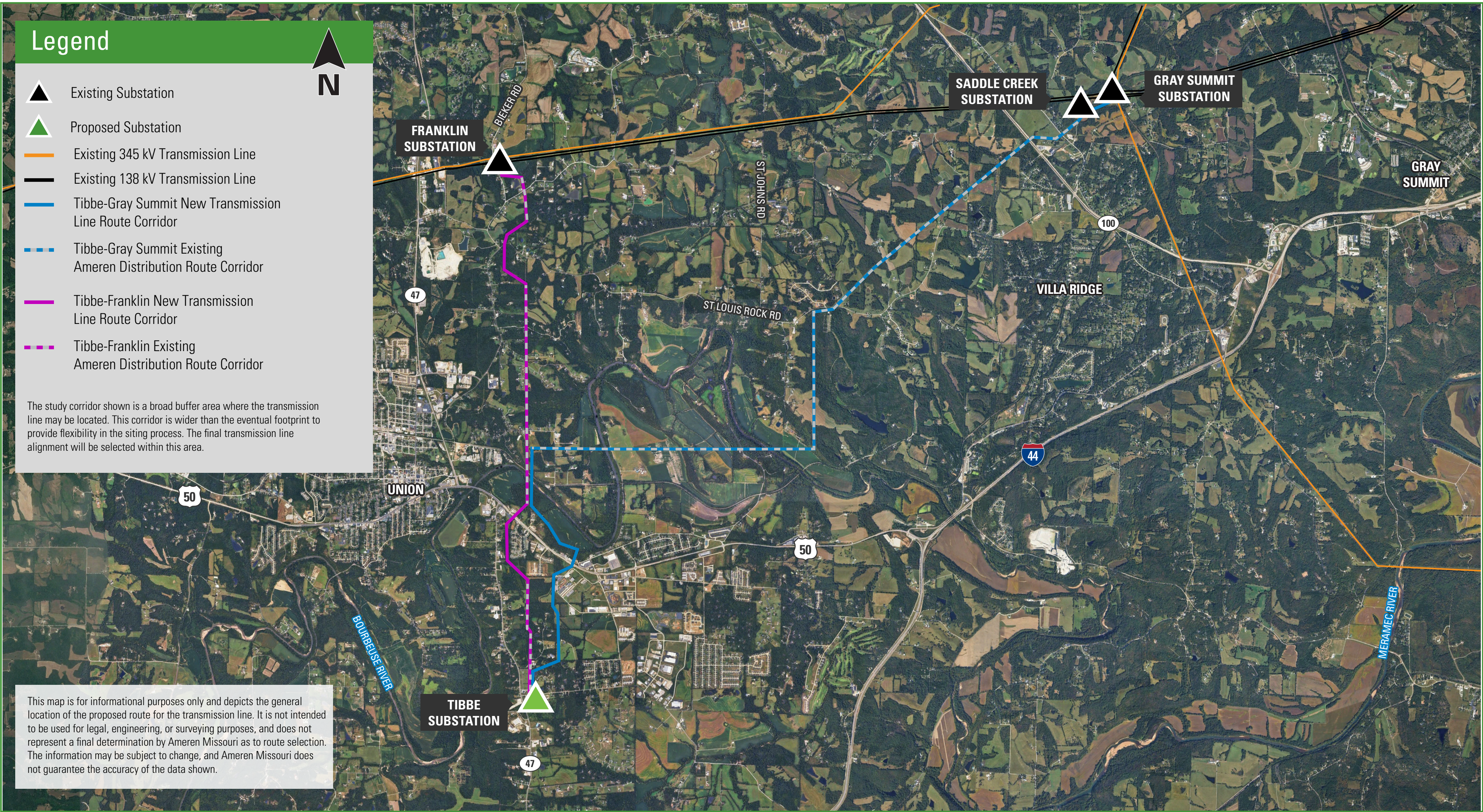
# Franklin County Connector Project

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.

Ameren Missouri has been planning this project for decades while serving the growing populations of Union, Missouri, and Franklin County overall. Originally planned as the “Prairie Dell” project back in 2008, the local population has now grown large enough that stronger electric infrastructure is required to reliably serve existing Franklin County customers.

This is a reliability-driven project designed to strengthen the energy grid for existing customers and local communities. Currently, energy demand from existing Franklin County customers is higher than Ameren Missouri’s equipment in the area is designed to reliably serve. Completing this project will help prevent the community from experiencing flickering lights, power surges and prolonged outages by upgrading the transmission and distribution system to meet demand.



# COMMUNITY BENEFITS



## RELIABILITY

Improving energy reliability for the surrounding region and local communities



## CAPACITY

Increasing transmission capacity to meet changing energy needs



## OPPORTUNITY

Growing economic development opportunities



# ROUTING CRITERA

# Franklin County Connector Project

The goal of the routing process is to take advantage of opportunities while understanding and minimizing impacts to sensitivities and adhering to technical guidelines and statutory requirements.



## OPPORTUNITIES

Linear features that are oriented in the direction of the Project:



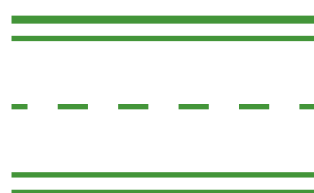
Field Lines



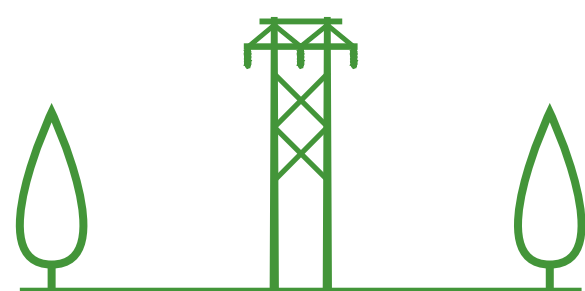
Property Lines



Section Lines



Roads



Utility Corridors



## SENSITIVITIES

Area resources or conditions that may require additional review and consideration:

- Agricultural Conflicts
  - Airports/VOR
  - Cemeteries
  - Communication Towers
  - Conservation Areas/Nature
  - Cultural/Historic Resources
  - Planned Development (future)
  - Forest/Grassland
  - Hospital
- State/Local Parks and Resource Lands
  - Karst Areas
  - Levees/Dams
  - Mines/Quarries
  - Pipelines\*
  - Railroads\*
  - Recreation/Tourism
  - Religious Facilities
- Residences (especially large clusters of homes)
  - Scenic Roads
  - Schools/Daycares
  - Sensitive Crops
  - Sensitive Species
  - Streams/Wetlands
  - Wells
- \*Linear features with additional precautions and studies needed





# TELL US YOUR THOUGHTS



# Franklin County Connector Project

What “sensitivities” are most important to you? Place a sticky dot below the sensitivities that are most important to you.

 **SENSITIVITIES**

Area resources or conditions that may require additional review and consideration:

|                             |                      |
|-----------------------------|----------------------|
| Agricultural Conflicts      | Mines/Quarries       |
| Airports/VOR                | Pipelines*           |
| Cemeteries                  | Railroads*           |
| Communication Towers        | Recreation/Tourism   |
| Conservation Areas/Nature   | Religious Facilities |
| Cultural/Historic Resources | Residences           |
| Planned Development         | Scenic Roads         |
| Forest/Grassland            | Schools/Daycares     |
| Hospital                    | Sensitive Crops      |
| Parks and Resource Lands    | Sensitive Species    |
| Karst Areas                 | Streams/Wetlands     |
| Levees/Dams                 | Wells                |

\*Linear features with additional precautions and studies needed



# ROUTING PROCESS

## Franklin County Connector Project





# FRANKLIN COUNTY CONNECTOR PROJECT

## WELCOME TO OUR OPEN HOUSE

### GOALS OF TODAY'S OPEN HOUSE:



#### LEARN

more about the project



#### SEE

what's happening in your area



#### PROVIDE

feedback and input to the project team

We look forward to connecting with community members, landowners, and stakeholders to learn as much as we can about your area to help us develop this project. Thank you for your time and feedback as we work to improve energy reliability for your community.

### CONTACT US



[Ameren.com/FranklinCounty](https://Ameren.com/FranklinCounty)



636-214-6086



[contact@franklincountyconnector.com](mailto:contact@franklincountyconnector.com)





# FRANKLIN COUNTY CONNECTOR PROJECT

## WHAT IS ENERGY RELIABILITY?

Our energy grid is similar to our road system in the way it allows energy from generation sources to travel short or long distances as needed at any given moment. On the road, when your main route is closed for construction, you review your options and find an alternative. In some cases, alternatives just don't exist, or they can't handle the increased traffic, and users experience backups.

The energy grid is no different! If a large storm were to take out multiple transmission or distribution lines, or "routes," in your area, local homes and businesses would be served by a lower capacity, which could lead to reliability issues in the area.

**With this Project, we can add more capacity, or "alternate routes," to meet the changing needs in your community!**

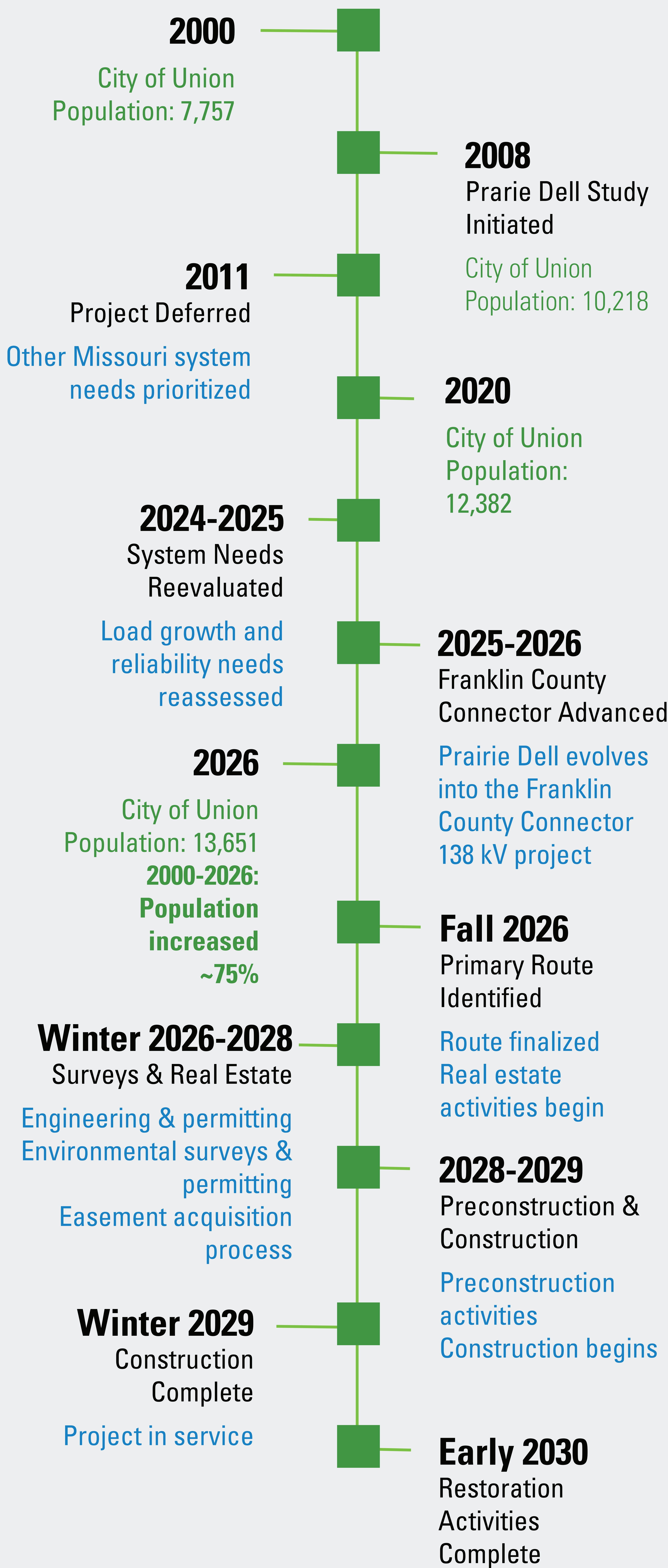
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# FRANKLIN COUNTY CONNECTOR PROJECT

## PROJECT TIMELINE





# FRANKLIN COUNTY CONNECTOR PROJECT

## TYPICAL NEW STRUCTURES

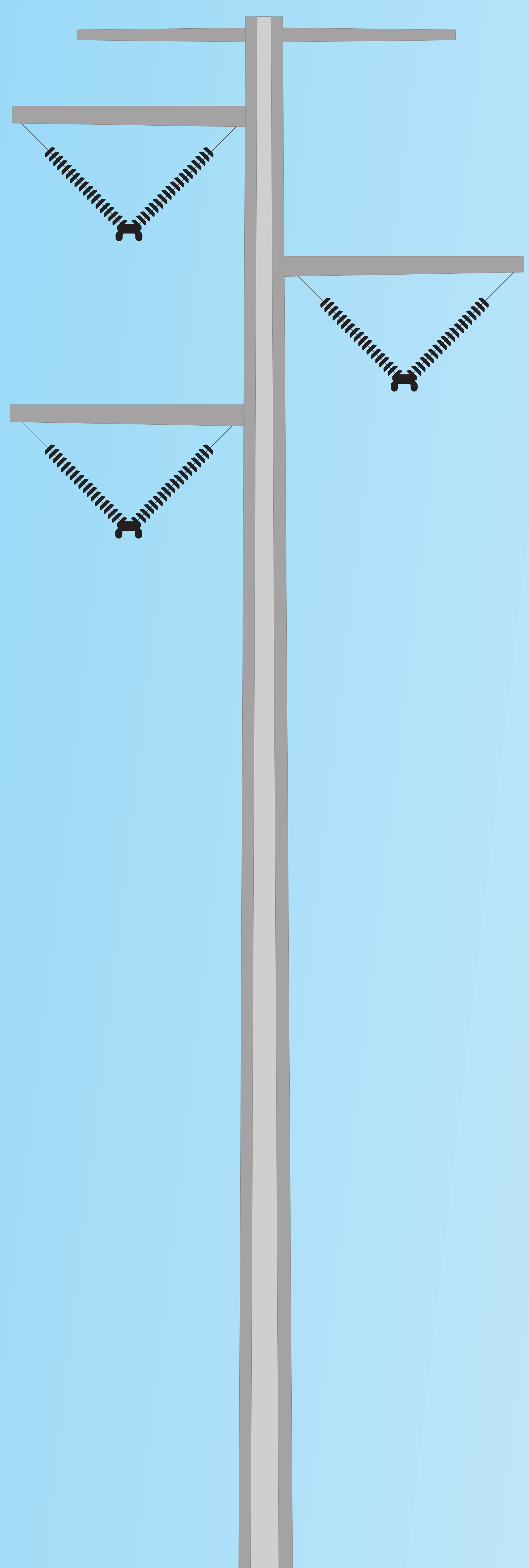
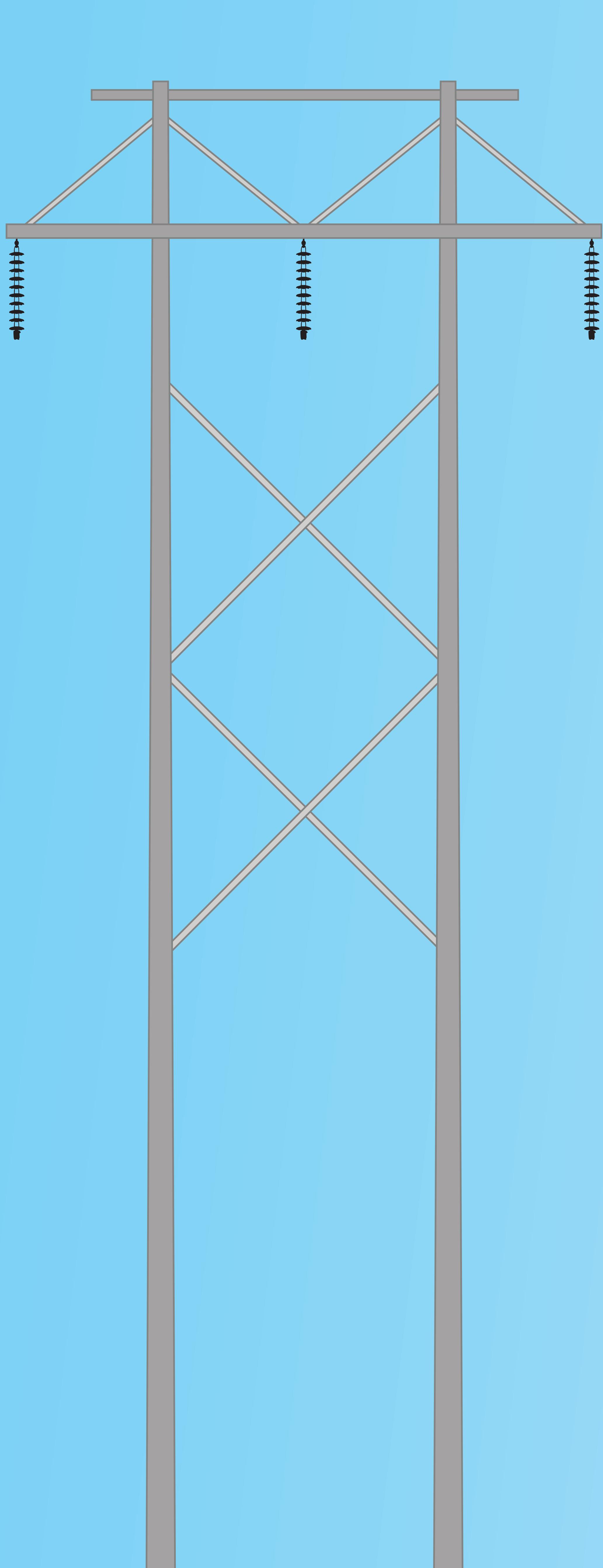
We anticipate using galvanized steel H-Frames and monopoles. In most instances, the number of structures is lessened with a smaller footprint due to design and longer spans.

### 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)

### Steel Monopole

- **Voltage:** 138 kV & 34.5 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 for 138 kV) 20 ft. (minimum for 34.5 kV)



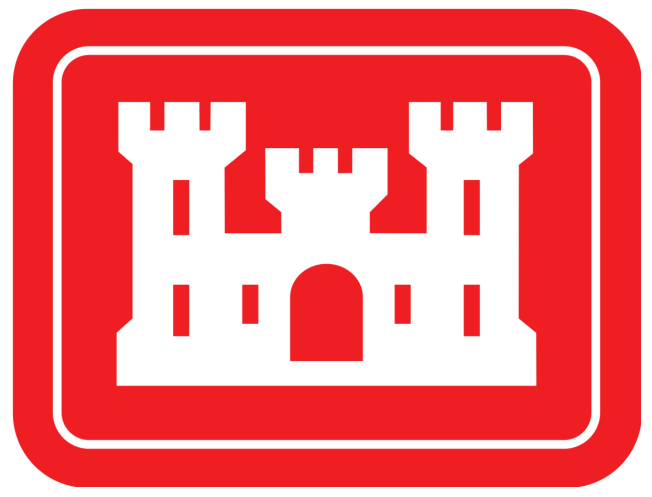
Note, this graphic is not to scale. The number of arms on a typical structure and the sizing of the structure may vary depending on the final route.



# FRANKLIN COUNTY CONNECTOR PROJECT

## ENVIRONMENTAL REVIEW & AGENCY COORDINATION

Our team coordinates with federal, state and local agencies regarding protected or sensitive resources within the project area. Sometimes additional permits or approvals from these agencies are necessary for construction:



### U.S. ARMY CORPS OF ENGINEERS

Section 404 Clean Water Act  
Section 10 Rivers and Harbors Act  
Section 408 Authorization



### U.S. FISH AND WILDLIFE SERVICE

Endangered Species Act, Bald and Golden Eagle Protection Act, and Migratory Bird Treaty Act



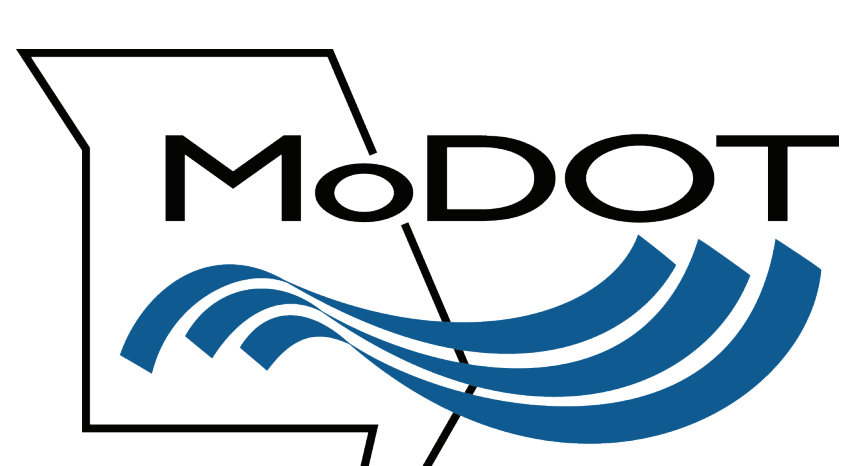
### MISSOURI DEPARTMENT OF CONSERVATION

State protected species and conservation areas



### MISSOURI STATE HISTORIC PRESERVATION OFFICE

Section 106 Cultural Resources Review



### MISSOURI DEPARTMENT OF TRANSPORTATION

Road permits



### MISSOURI DEPARTMENT OF NATURAL RESOURCES

Section 401 Water Quality Certificate and General NPDES Permit for stormwater discharge from construction site



### LOCAL PERMITS

Erosion control and road crossings

### LOCAL AGENCIES

City of Union, Franklin County, Franklin County Historical Society





# FRANKLIN COUNTY CONNECTOR PROJECT

## REAL ESTATE

Ameren's real estate team will have several land agents assisting landowners during the entire real estate process for existing and new corridors. Discussions with landowners will include topics such as:

- ✓ **Land surveys and studies**
- ✓ **Access roads**
- ✓ **Structure/line design**
- ✓ **Right-of-way clearing**
- ✓ **Compensation**
- ✓ **Property restoration**





# FRANKLIN COUNTY CONNECTOR PROJECT

## CONSTRUCTION

### CONSTRUCTION WILL BEGIN IN 2028

We will provide more information before construction begins on any landowner's property. On most structures, **there will be six (6) major stages of construction**, including:



**Surveys, soil borings, vegetation management and access roads**



**Assemble structure on the ground**



**Dig structure holes**



**Lift structure into hole and backfill with concrete**



**String wires**



**Energize line and restore easement**



# FRANKLIN COUNTY CONNECTOR PROJECT

## VEGETATION MANAGEMENT

Safety and reliability are the driving factors behind managing trees and other forms of vegetation around our transmission lines. Trees and other vegetation can damage the line and hinder our ability to deliver electric services safely and reliably. That can make the job of storm restoration more difficult, extend restoration times and pose additional hazards to line crews.

To protect the public and reduce the risk of extended power outages, Ameren has the vegetation management program designed to ensure proper clearances around the lines as required by federal and state agencies. The program reduces the potential for damage and allows access for crews to maintain and repair transmission equipment.

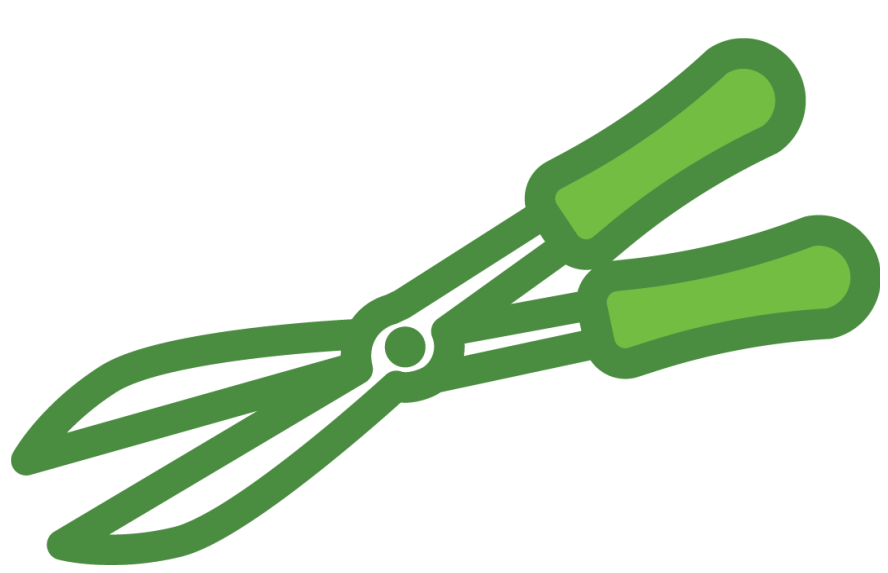
**This vegetation management work may include:**



**Inspections**



**Mowing**



**Manual  
and Aerial  
Trimming**



**Removal  
of Vegetation**





# FRANKLIN COUNTY CONNECTOR PROJECT

## WE VALUE YOUR INPUT!

### TELL US YOUR THOUGHTS



#### COMMENT FORM

Submit a comment form today or email/mail it to us later.



#### ONLINE COMMENT MAP

Submit a comment on our online comment map.



#### PROJECT WEBSITE

Learn more at  
[Ameren.com/FranklinCounty](http://Ameren.com/FranklinCounty)

### CONNECT WITH THE PROJECT TEAM



[Ameren.com/FranklinCounty](http://Ameren.com/FranklinCounty)



636-214-6086



[contact@franklincountyconnector.com](mailto:contact@franklincountyconnector.com)



**Franklin County  
Connector Project**

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Creve Coeur, MO 63141



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and sign up  
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# FRANKLIN COUNTY CONNECTOR PROJECT

## EASEMENTS

The typical total easement width for the new structures will be up to 150 ft. The width requested along existing corridors will vary depending on the current easement widths in those locations.

**Easements allow our team access for construction, operation, and maintenance of the transmission line. In general, the land can continue to be used as before, provided that the use does not interfere with the transmission line.**

