



# WELCOME TO OUR OPEN HOUSE!

## GOAL OF TODAY'S OPEN HOUSE:

- ✓ Learn more about the project
- ✓ Review project maps
- ✓ Provide feedback and input to the project team



**We need the community's valuable feedback about the Peoria County area to develop a route for this new line and energy investment.**



We look forward to your input in understanding the project area from the community's perspective.



## ABOUT THE PROJECT

### IMPROVING ENERGY RELIABILITY IN YOUR COMMUNITY

Ameren Illinois is proposing the Peoria County Reliability Project to improve energy reliability for local customers in the Peoria County area. This Project includes the construction of a new 138 kV transmission line to connect the Alta Substation with the Pioneer Substation. Our goal is to have this new line in service and providing benefits to the local community by December 2025.

### THE NEW LINE:



Improves local energy reliability by creating additional pathways to support current and future energy needs



Helps minimize power outage impacts to the local communities



Supports expansion needed for continued area growth

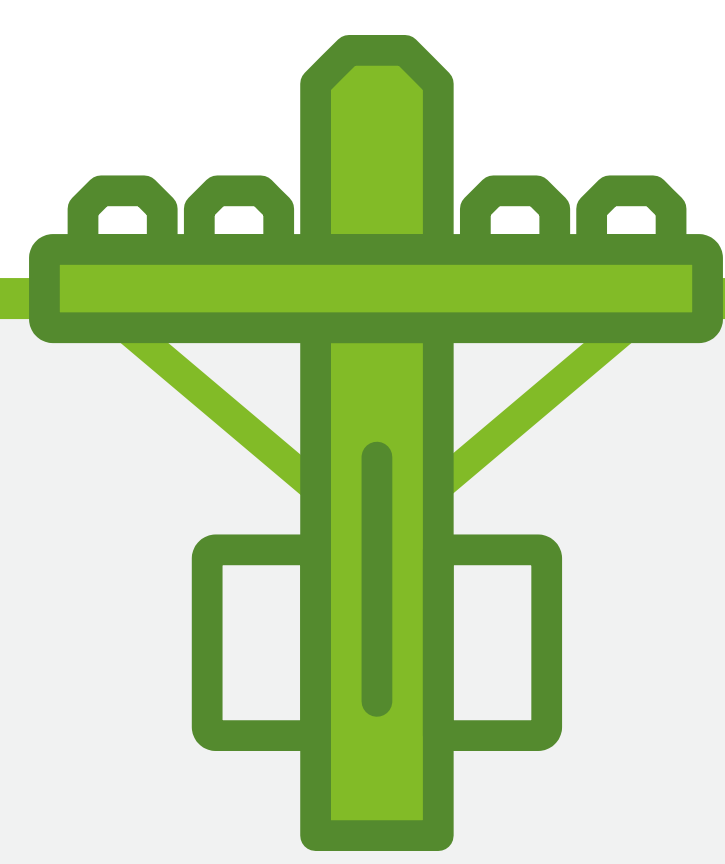


Upgrades aging substations



## WHY IS THE PROJECT NEEDED?

Communities in this area are currently supported by two Ameren Illinois 138 kV transmission lines that serve as the backbone for the energy system in this area.



Continuing to rely on these transmission sources in the event of a power outage could result in extended restoration times and community-wide impacts.



This project will help minimize power outage impacts to the local communities by creating additional pathways to support current and future energy needs.



As we continue to serve and invest in our communities, new projects allow us to support the needs of our customers in your area.



# ROUTING PROCESS & STAKEHOLDER OUTREACH



## ONGOING

### Identify, Analyze, and Select Final Route(s)

- We collect data from federal, state and local agencies, stakeholders, public comments and publicly-available data sources



## JULY - AUGUST 2022

### Study Area

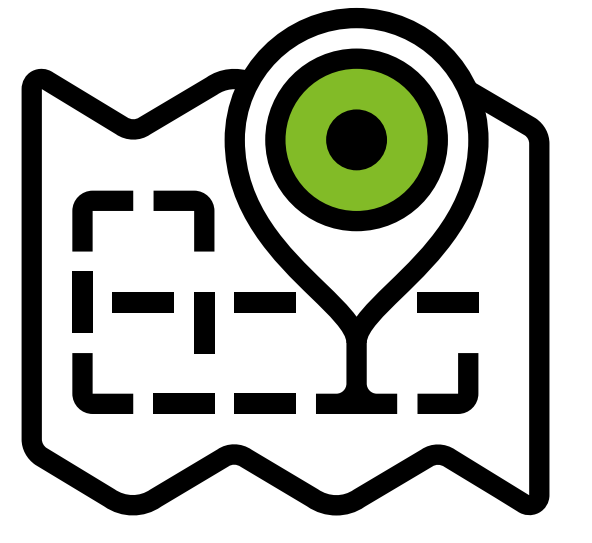
- Develop study area and routing criteria
- Review of publicly available information
- Community Representative Forum (August 2 and 3)



## AUGUST - SEPTEMBER 2022

### Route Segments

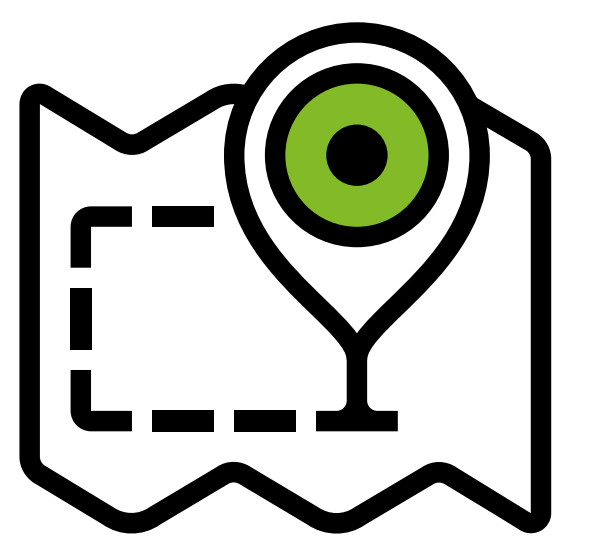
- Evaluate stakeholder input and develop Route Segments
- Present potential Route Segments to the public



## NOVEMBER 2022

### Preliminary Route Alternatives

- Evaluate public input and develop Route Alternatives
- Present preliminary Route Alternatives to the public



## WINTER 2022

### Identify Final Route(s)

- Evaluate public input and develop Final Route(s)



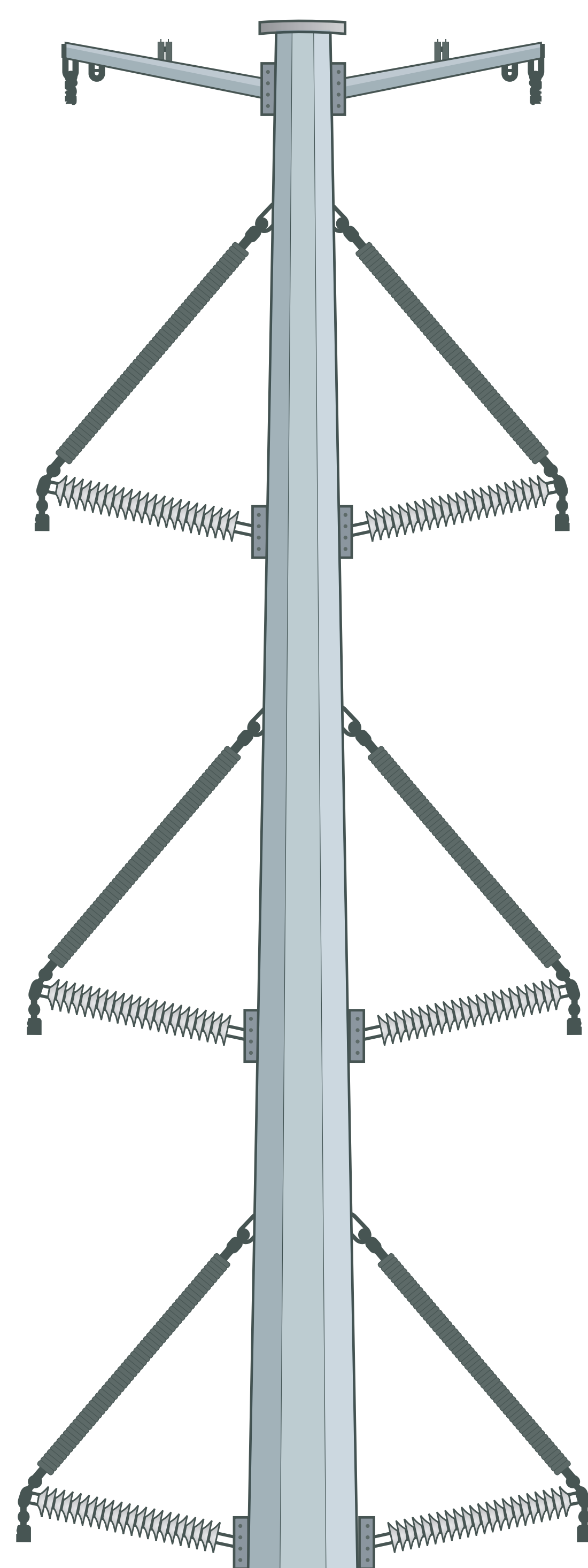
## EARLY 2023

### Illinois Commerce Commission (ICC) Filing

- File Final Route(s) with the Illinois Commerce Commission (ICC)

\*All items shown are pending regulatory approvals.  
Schedule is subject to change.

We anticipate using a single steel monopole design with drilled pier foundations.



### STRUCTURE SNAPSHOT

**VOLTAGE:**

138,000 volts

**STRUCTURE:**

Single-shaft steel poles

**FOUNDATION:**

Concrete

**FOUNDATION DIAMETER:**

6-10 feet (typical)

**HEIGHT RANGE:**

80-120 feet tall (typical)

**SPAN LENGTH:**

700-800 feet (average)

**STRUCTURES PER MILE:**

7-8 (average)

**CONDUCTOR CLEARANCE:**

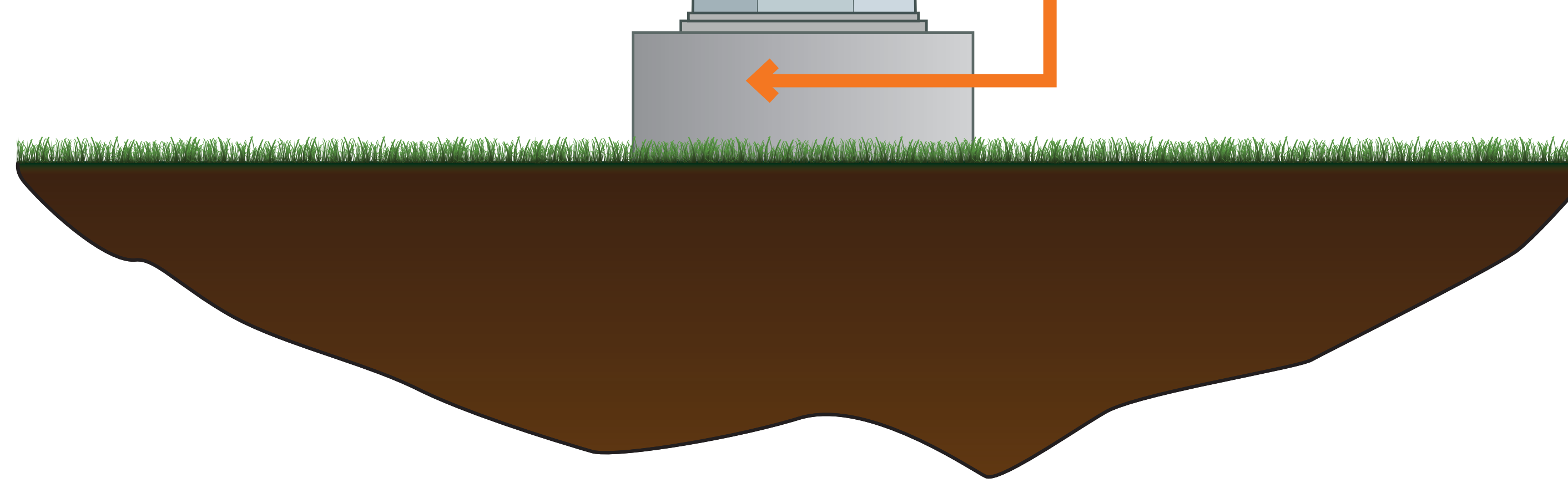
21 feet (minimum)

### EXISTING LINES IN THE AREA

Currently, there are existing Ameren lines in the area that may provide an opportunity to co-locate the new Peoria County Reliability Project line.

### WHAT ARE DRILLED PIER FOUNDATIONS?

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



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.



## VEGETATION MANAGEMENT

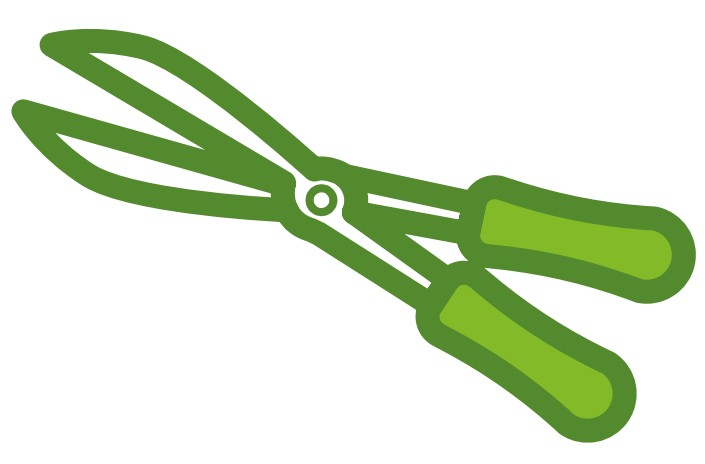
Safety and reliability are the driving factors behind managing trees, and other forms of vegetation, around our transmission lines. Trees and other vegetation can damage the line and can hinder our ability to deliver electric services safely and reliably. They can make the job of storm restoration more 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 a 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:



**MOWING**



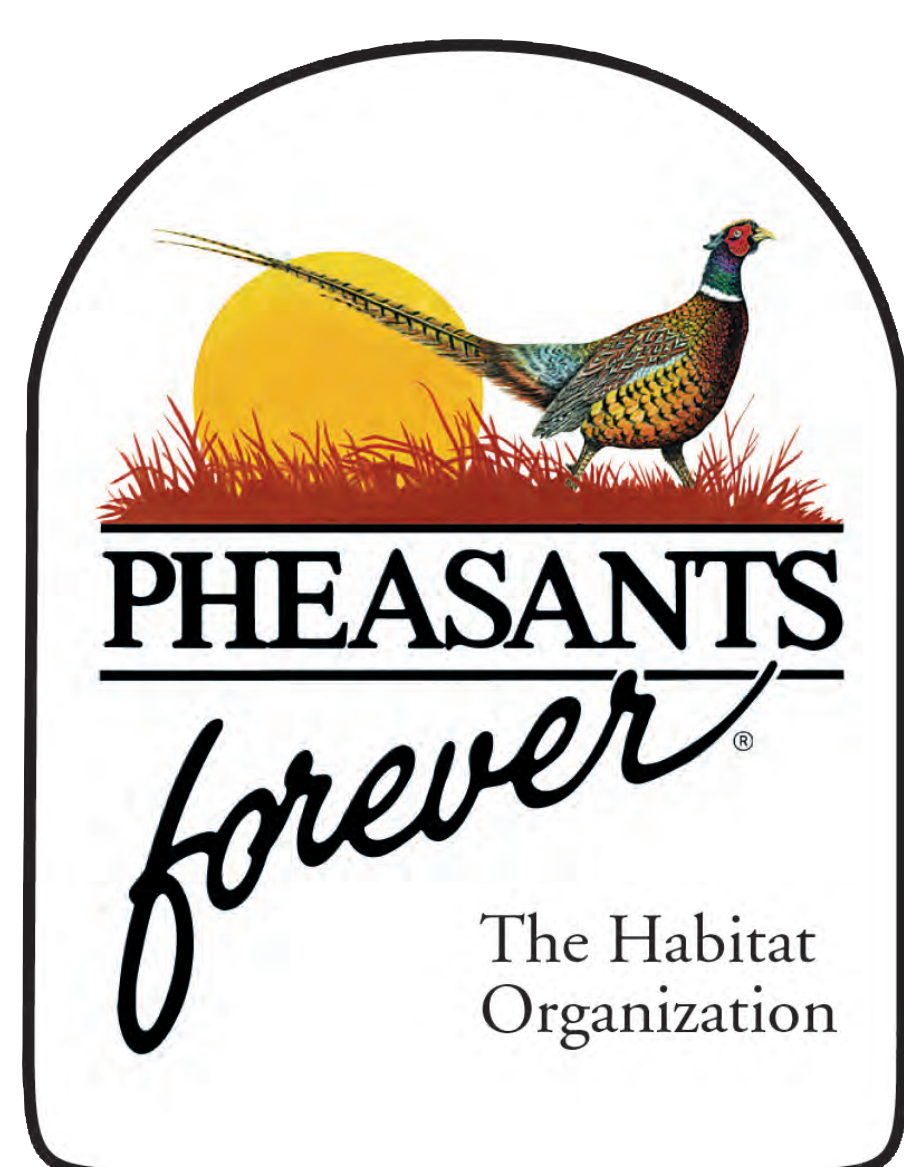
**MANUAL AND AERIAL TRIMMING**



**REMOVAL OF VEGETATION**



**APPLICATION OF ENVIRONMENTALLY SAFE HERBICIDES**





# 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.



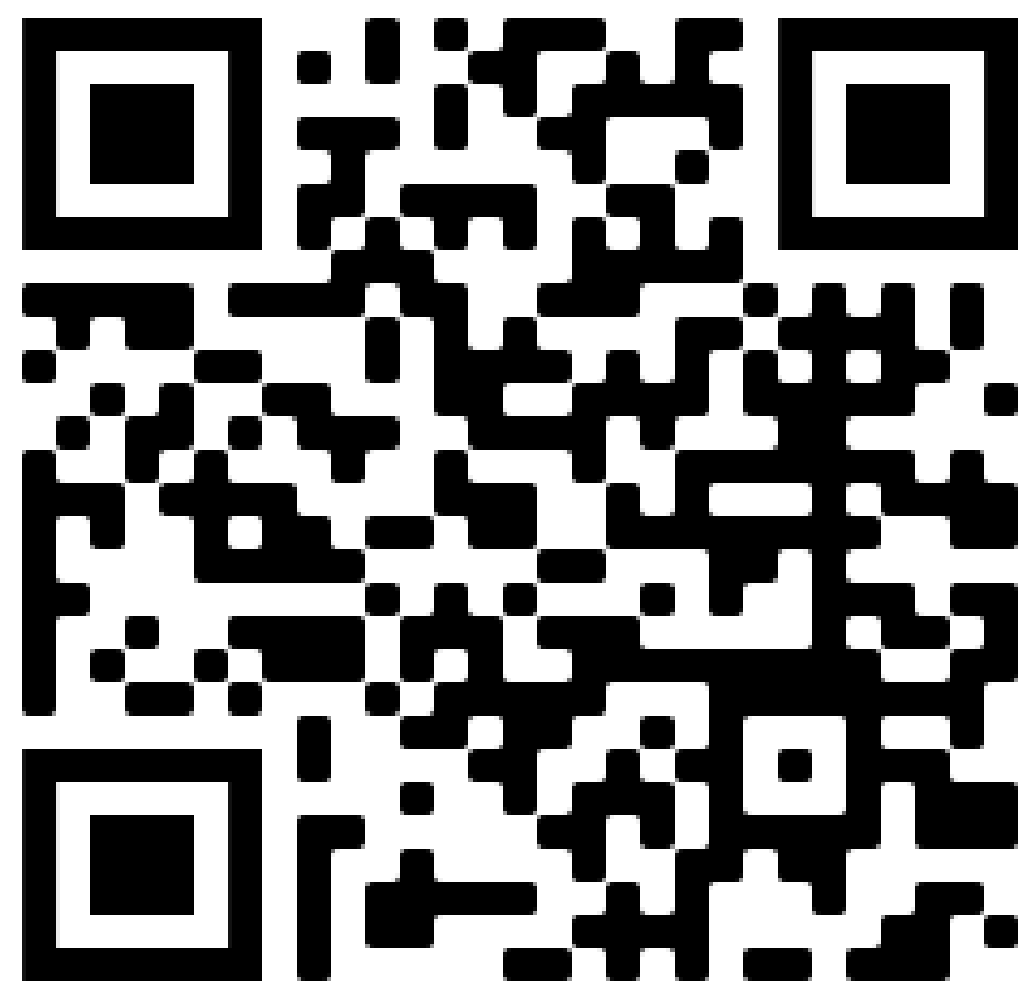
### VIRTUAL ENGAGEMENT

Review similar information from today's open house.



### VISIT OUR PROJECT WEBSITE

Learn more at [www.PeoriaCountyReliability.com](http://www.PeoriaCountyReliability.com)



SCAN THIS CODE WITH YOUR  
SMARTPHONE TO VISIT THE WEBSITE  
AND VIRTUAL ENGAGEMENT



### CONTACT US

 Leave us a message: 309.740.0216

 Email Us: [PeoriaCountyReliability@Ameren.com](mailto:PeoriaCountyReliability@Ameren.com)

# ROUTING PROCESS



## STEP 1: DEFINE STUDY AREA

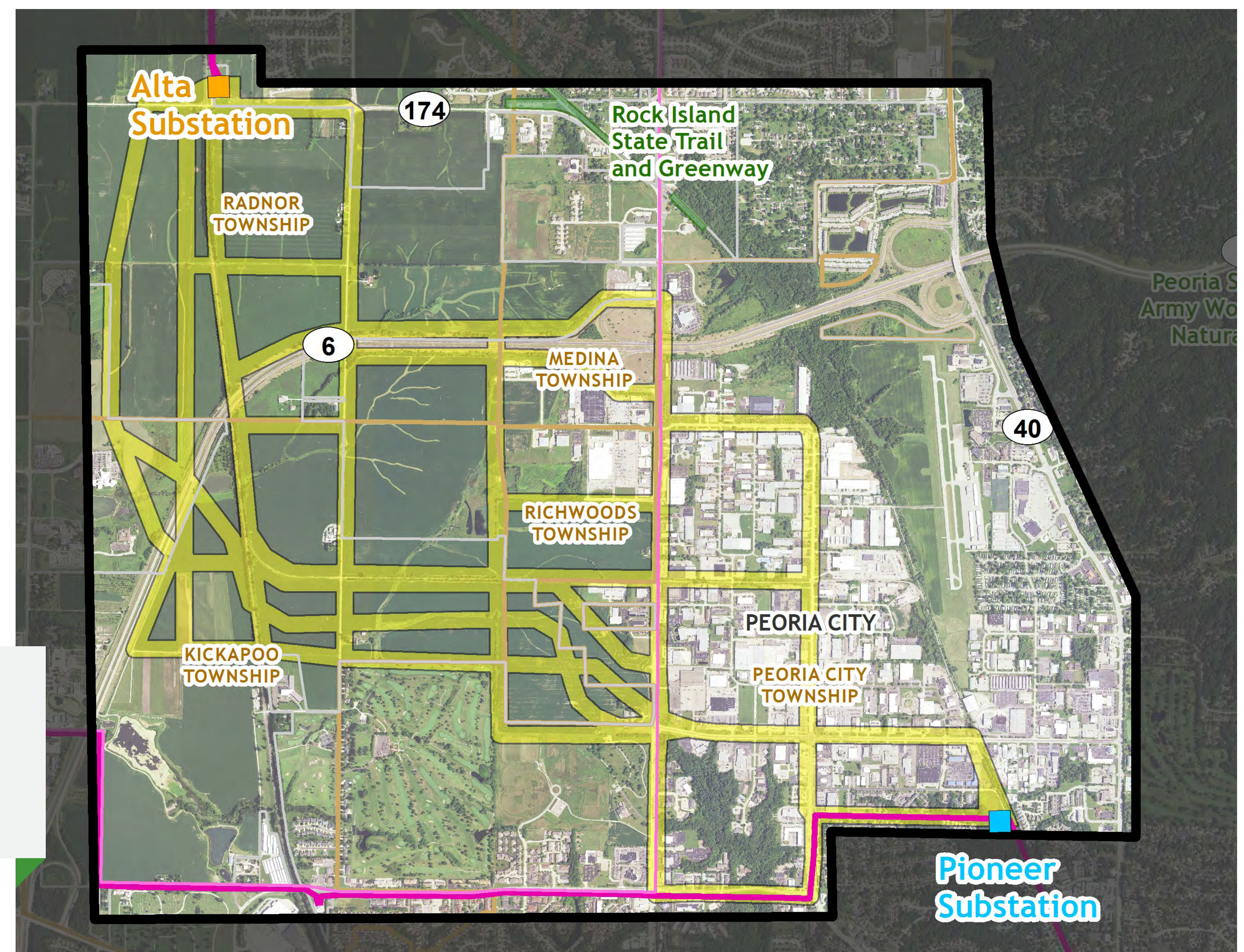
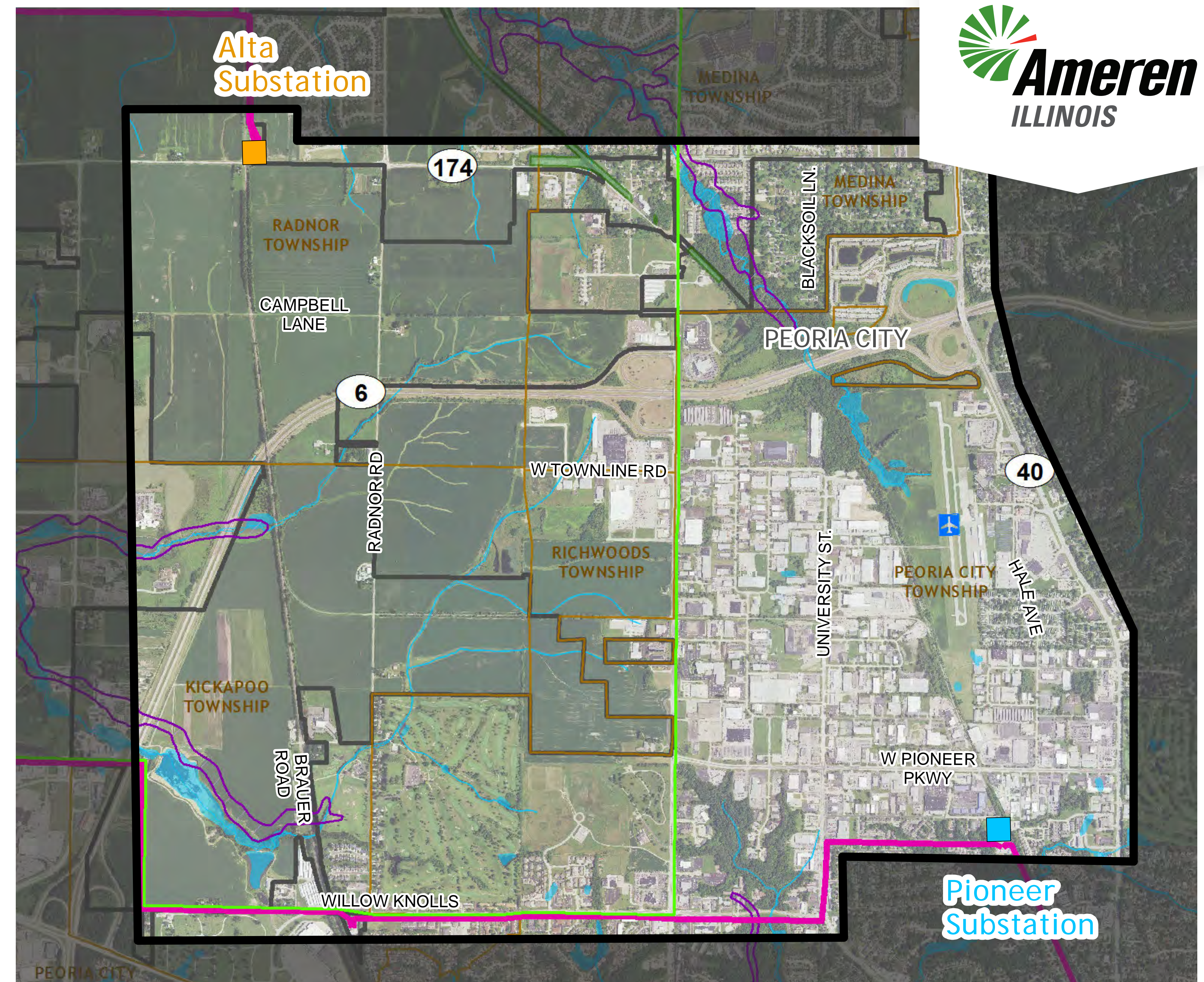
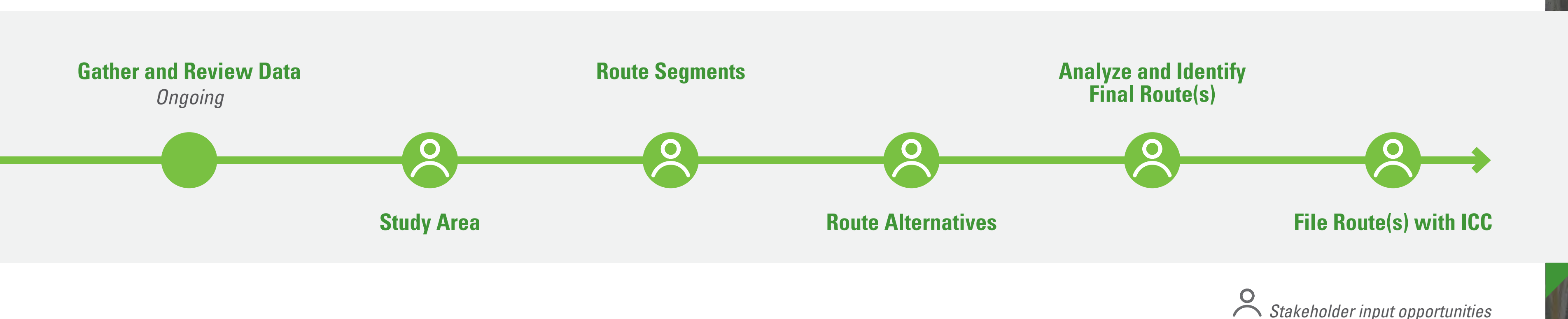
Our team started by using data from publicly available data sources to create our study area. We considered existing utility corridors, existing land use, resource areas, natural environment data and field survey data to help minimize impacts while providing a feasible route opportunity.



## STEP 2: DEVELOP ROUTE SEGMENTS

Then our team used data collected from our stakeholders and federal, state and local agencies and the four categories of routing criteria – Opportunities, Sensitivities, Technical Guidelines, and Statutory Requirements – to develop potential Route Segments.

### ROUTING PROCESS & OUTREACH





# ROUTING CRITERIA

We need the community's valuable feedback to develop a route for this new line and energy investment. 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 Preserves
- Contaminated Areas
- Cultural/Historic Resources
- Planned Development (future)
- Floodplains *(more difficult construction and many times have sensitive species)*
- Forest/Grassland
- Hospitals
- IL DNR Resource Lands
- IL DNR State Parks
- 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!

What “sensitivities” are most important to you? Place your dot stickers next to the ones below that are more important to you.

AGRICULTURAL CONFLICTS

AIRPORTS/VOR

CEMETERIES

COMMUNICATION TOWERS

CONSERVATION AREAS/NATURE PRESERVES

CONTAMINATED AREAS

CULTURAL/HISTORIC RESOURCES

PLANNED DEVELOPMENT (FUTURE)

FLOODPLAINS

FOREST/GRASSLAND

HOSPITALS

IL DNR RESOURCE LANDS

IL DNR STATE PARKS

LEVEES/DAMS

MINES/QUARRIES

PIPELINES

RAILROADS

RELIGIOUS FACILITIES

RESIDENCES

SCENIC HIGHWAYS

SCHOOLS/DAYCARES

SENSITIVE CROPS

SENSITIVE SPECIES

STREAMS/WETLANDS

WELLS

**REMINDER:** Sensitivities are area resources or conditions that may require additional review and consideration.