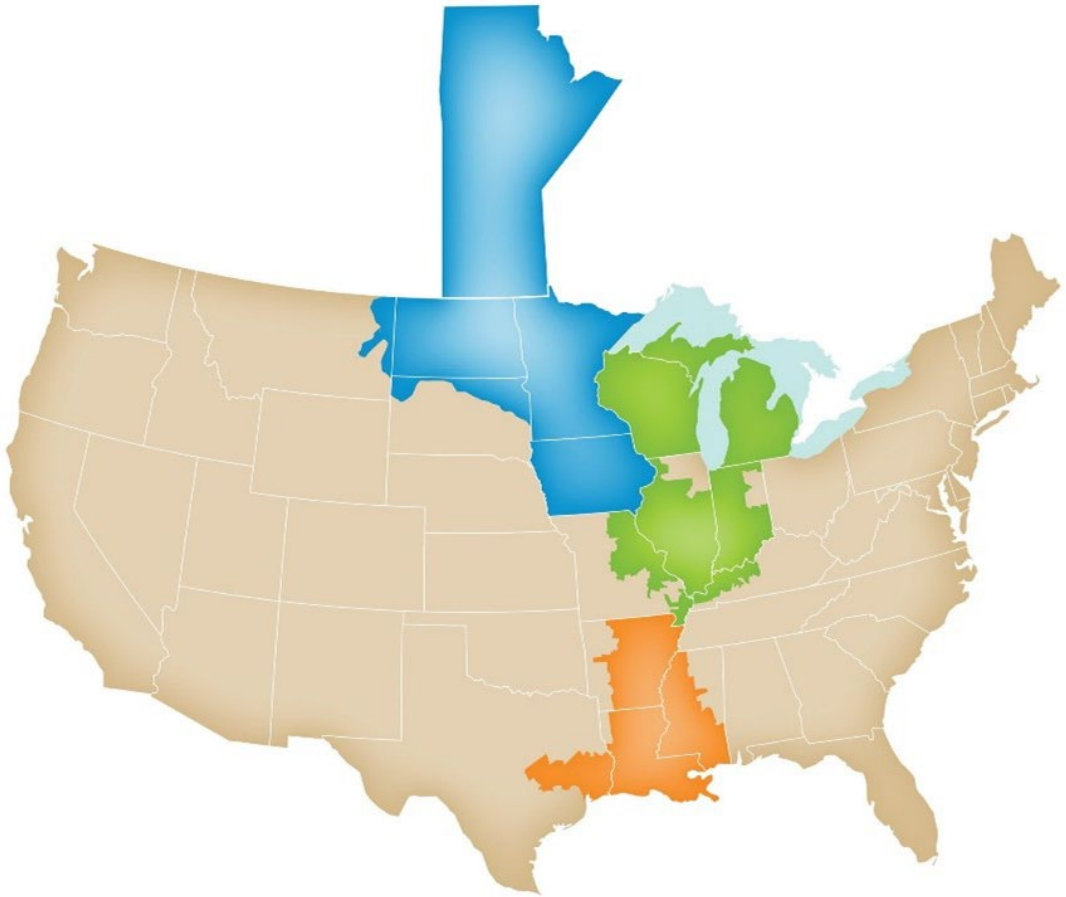
Elm Road to Racine Project
June 17, 2025

Who is ATC?

- A Wisconsin-based company that plans, builds, operates & maintains the electric grid
  - 10,000+ miles of line and
  - More than 585 substations,
  - In Wisconsin, Michigan, Minnesota and Illinois

Project Need



- Project part of a larger plan developed by MISO
  - MISO plans for future regional grid needs
  - Cost of projects shared across the MISO footprint
  - Elm Rd to Racine is one of the projects included in this region

Project Need

- Reduce constraints on the electric grid
- Maintain reliability
- Support increasing demand for energy
- Provide access to lower-cost energy including renewable generation

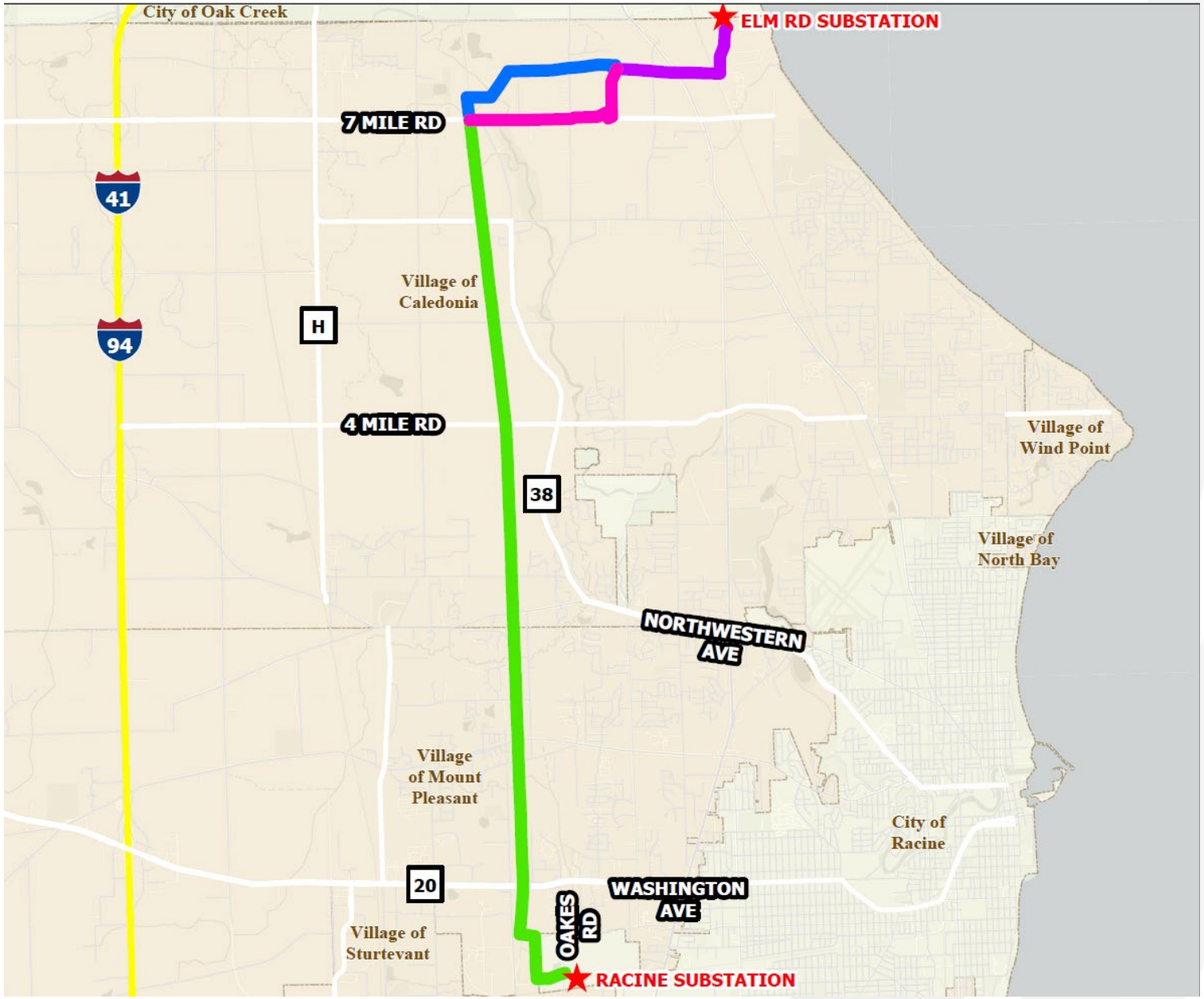
Project Description

ATC project proposal

- Connect the existing Elm Road Substation to the Racine Substation
- Construct 3.5 miles of new 345-kV power line
- Reconfigure 9 miles of existing power line to 345-kV

Power Line Routes

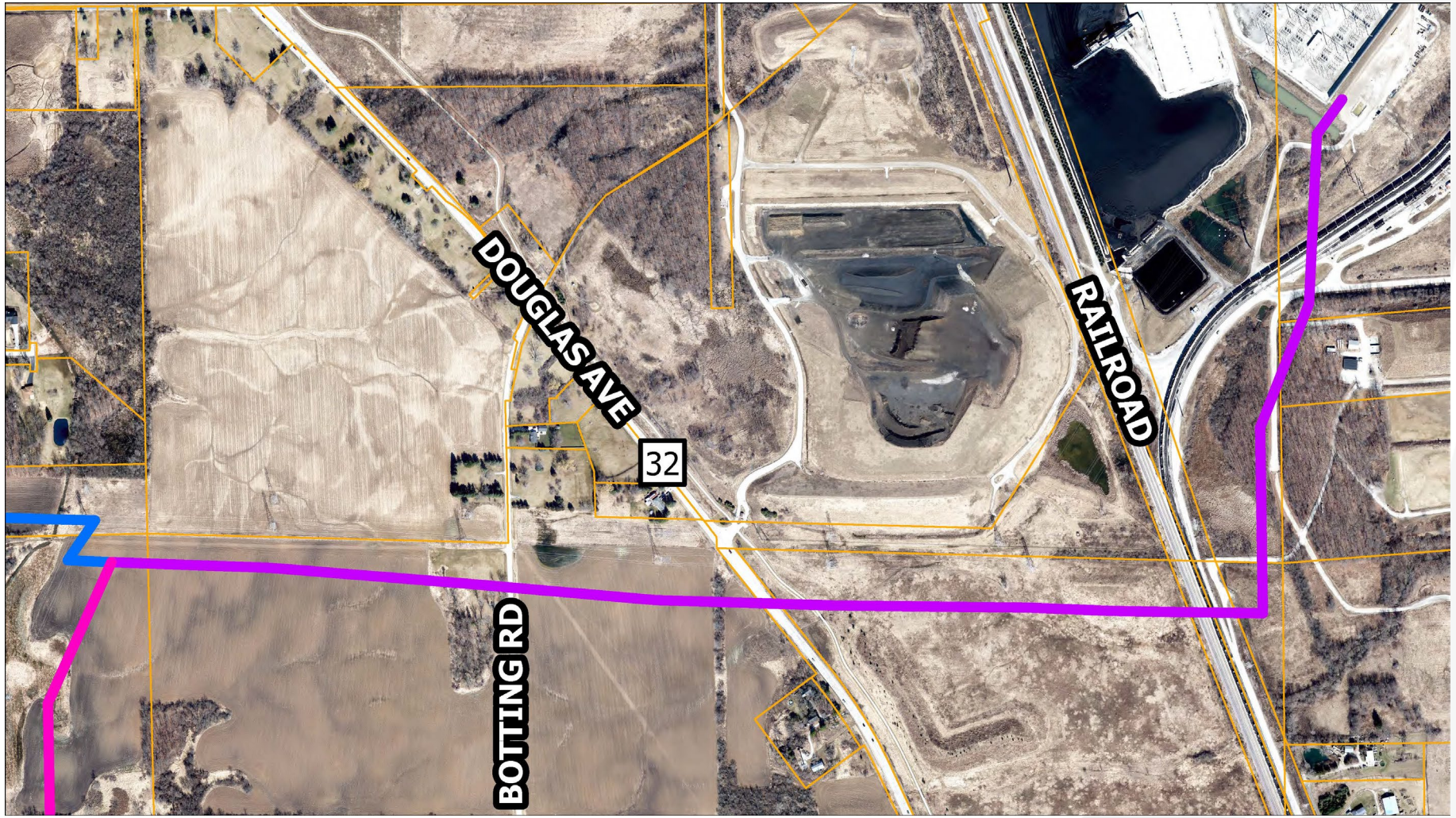
- Common Route (New Line)
- Preferred Route (New Line)
- Alternate Route (New Line)
- Common Route (Upgrade of Existing Line)



Power Line Routes

Common Route (New Line)

- Line would exit substation and extend south
- Turn west to cross the railroad, Douglas Ave. and Botting Rd.
- Total length: ~1.5 miles



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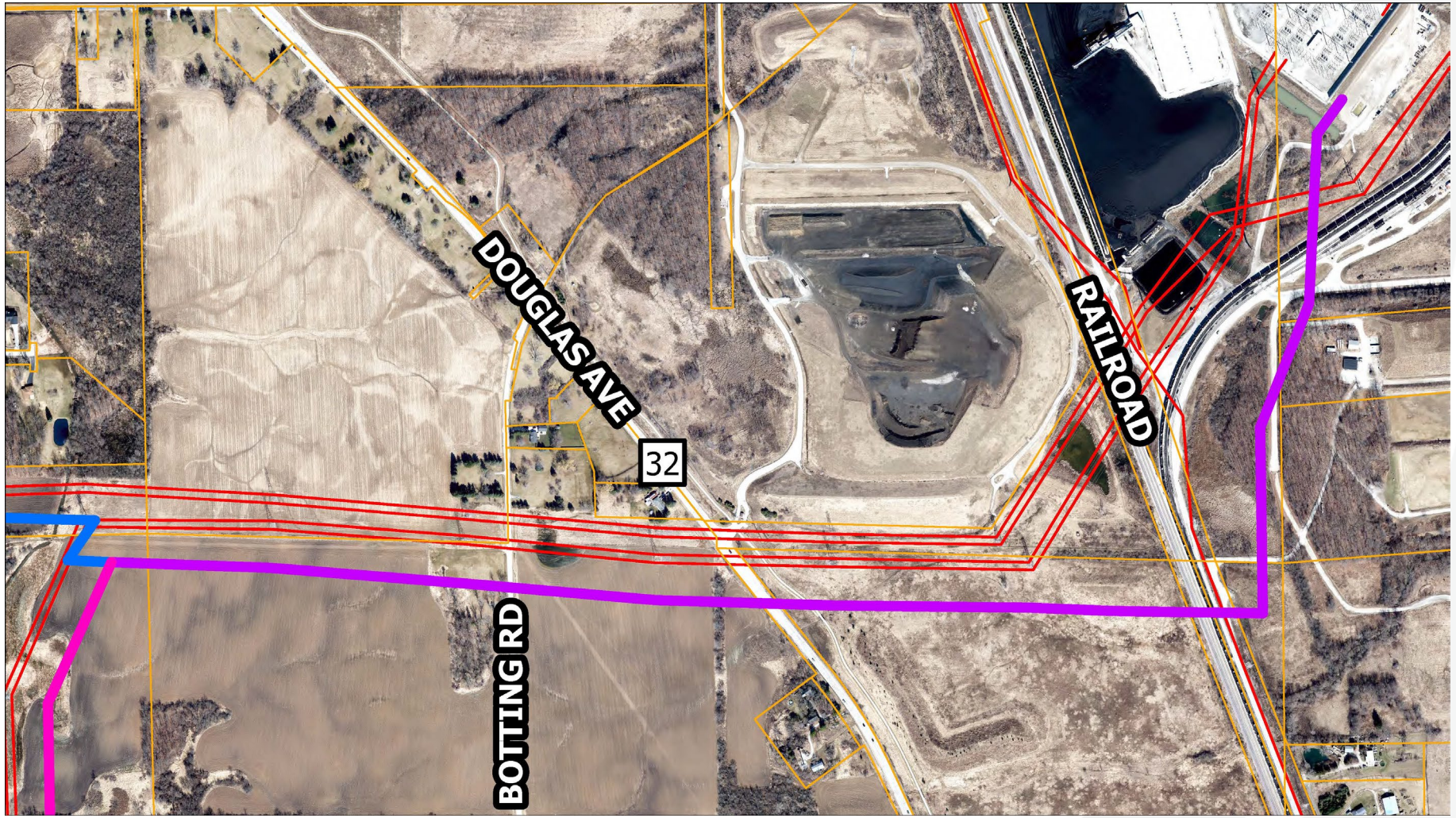
Existing Lines



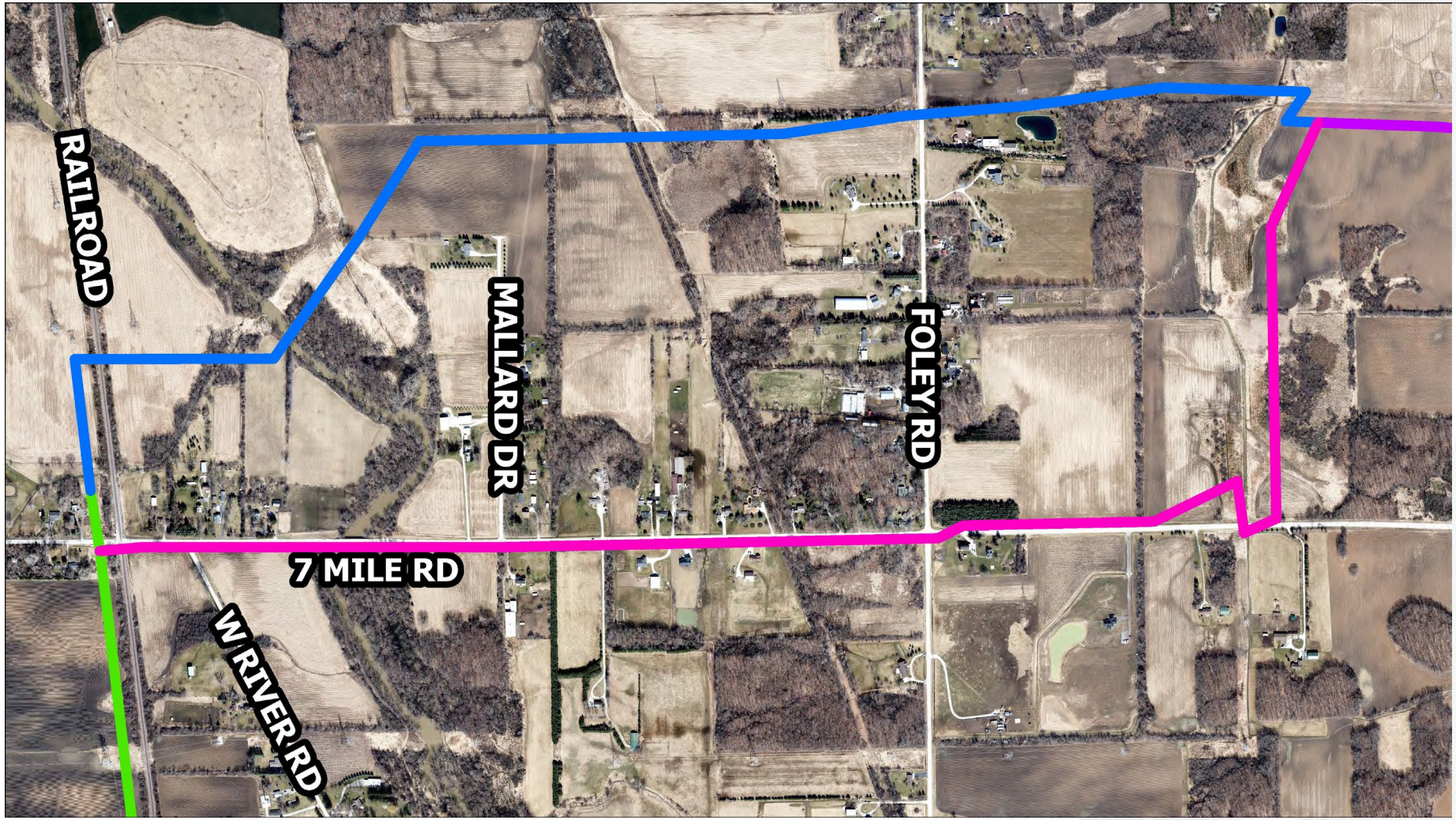
Power Line Routes

Preferred Route

- Preferred route would continue west, paralleling existing lines
- Total length: ~ 1.8 miles

Alternate Route

- Alternate route would parallel existing north-south lines east of Foley Rd then turn west along 7 Mile Rd.
- Total length: ~ 2 miles



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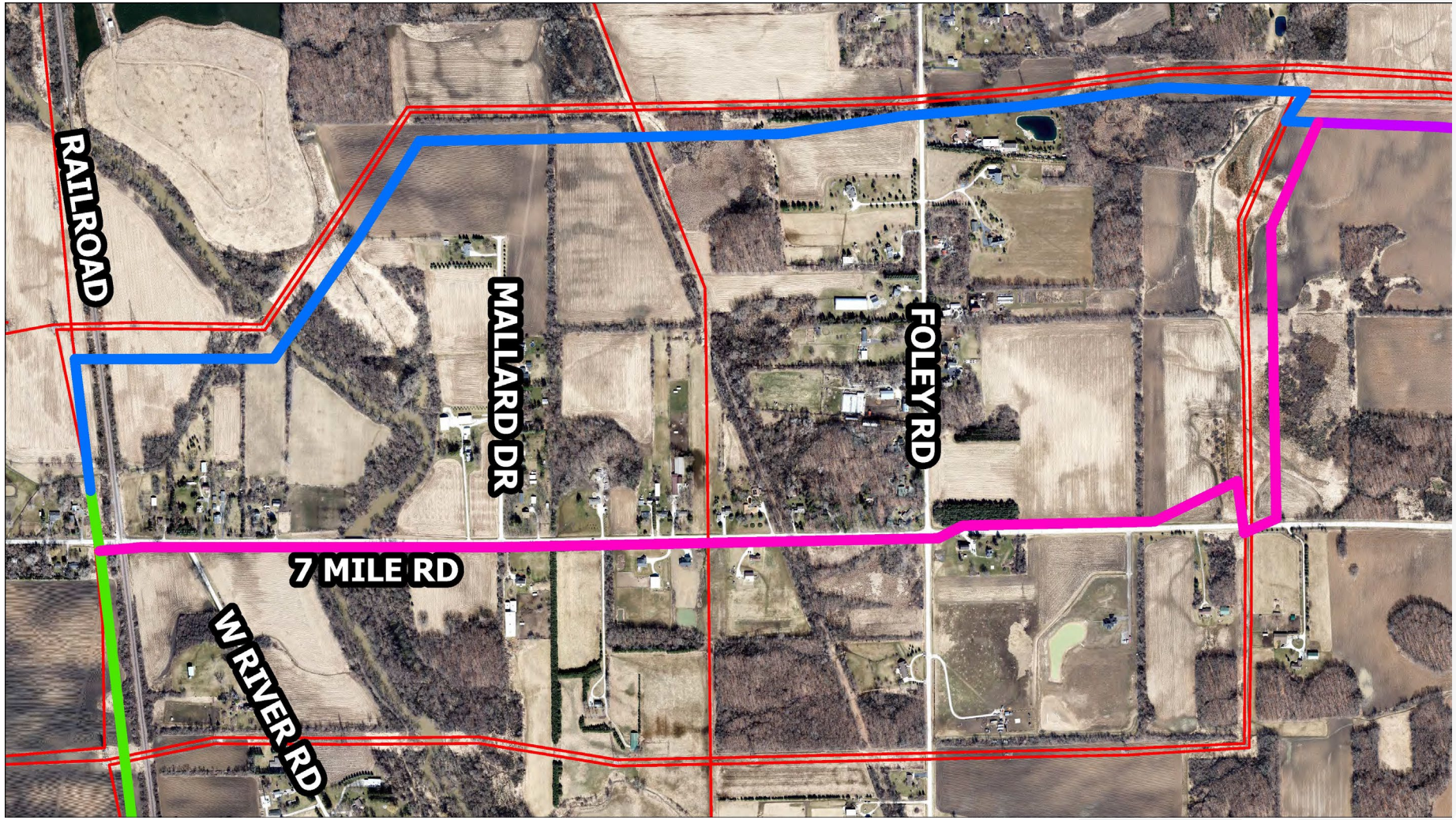


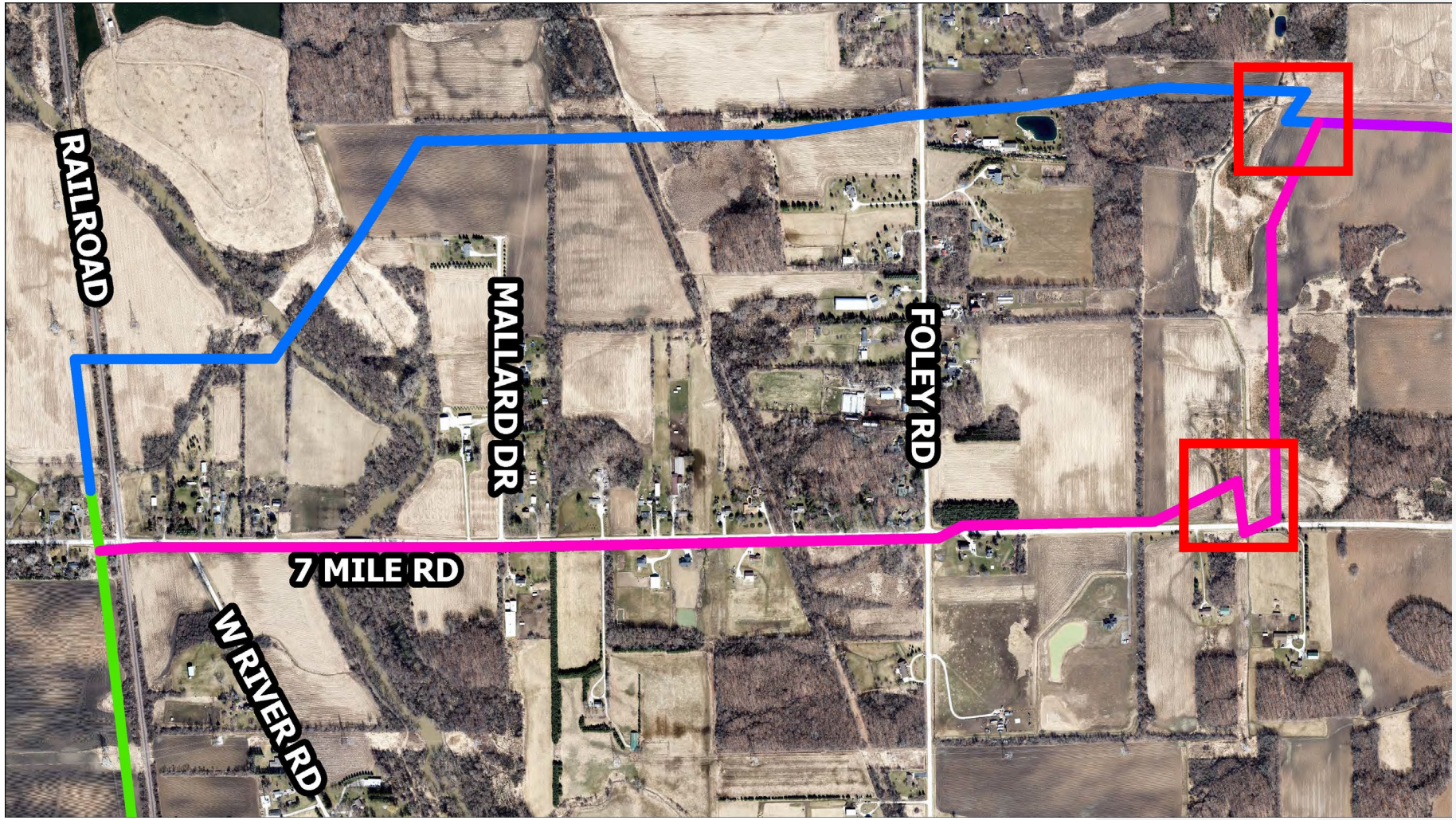
Existing Lines

Power Line Routes

Preferred Route

Alternate Route

- Red boxes represent areas where adjustments to existing lines are required due to crossings / line untangling



Power Line Structures (New Line)

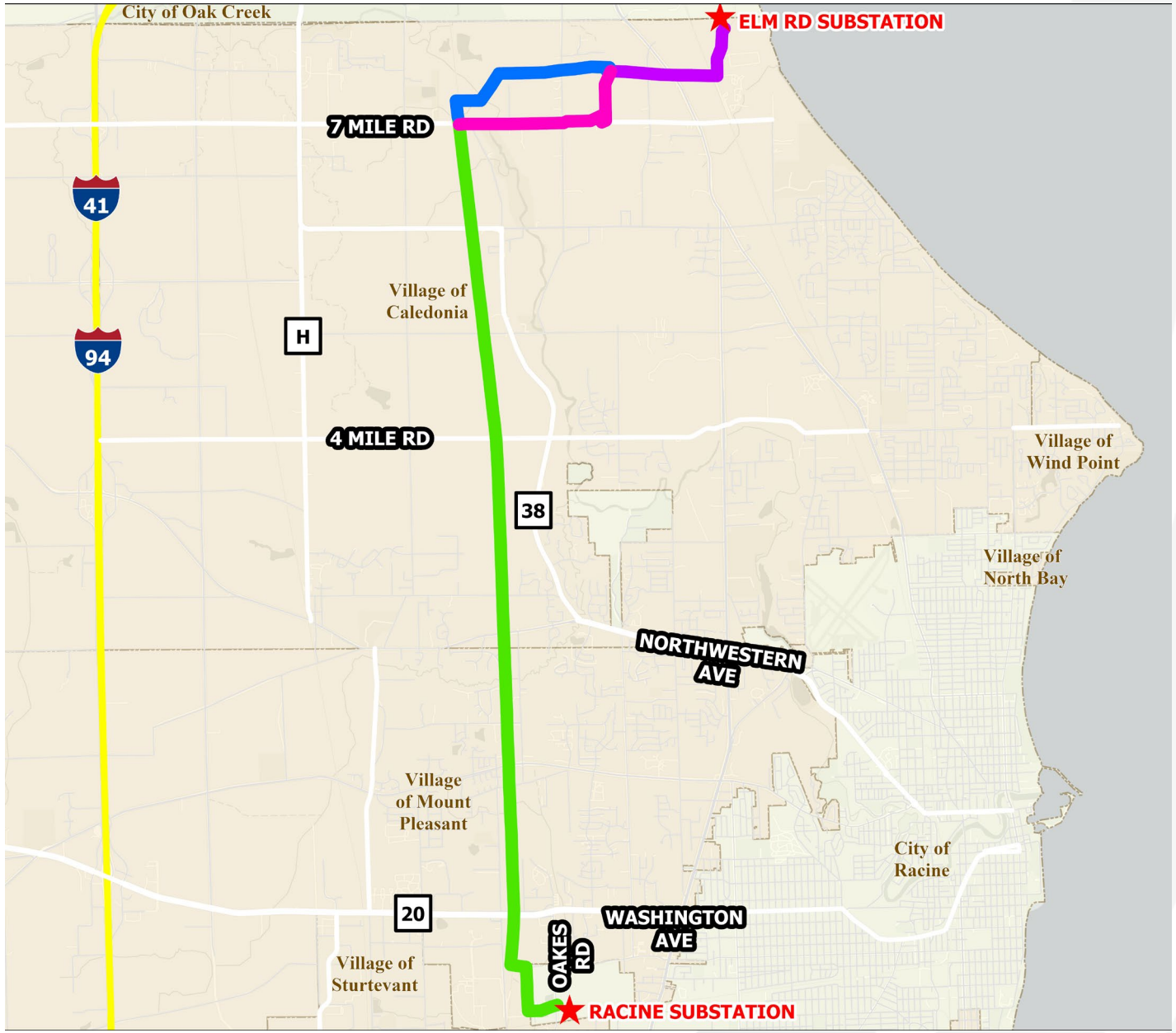
- Typical new monopole towers would be brown/weathering on concrete base
- Typical pole height 135 – 155 feet
- 150 foot utility corridor
  - Additional width in some places
- Spacing between poles would typically range from 600 to 1,000 feet

Proposed Structures

Power Line Routes

Common Route (Line Upgrade)

- Current: 1 – 345-kV line, 1 – 138-kV line
- Proposed: 2 – 345-kV lines
- Towers and conductor wire are in place (no construction)
- North end: Work to tie to the proposed new line
- South end: Adjustments into the existing Racine Substation
- ~ 9 miles



Power Line Structures (Existing)

- In use along the north-south common segment
- No modifications
  - Exception: Tie-in on the north end
  - Note: Lattice structures near Racine Substation will remain in place

Preliminary Project Schedule*

- Public announcement ……**June 2025**
- Application files with the PSCW ……**Summer 2025**
- Application decision from the PSCW ……**Summer/Fall 2026**
- General construction……**Summer/Fall 2026**
- Project in service……**Early 2028**

** Subject to change*

Routing and Siting

Wisconsin Statute 1.12

(6) SITING OF ELECTRIC TRANSMISSION FACILITIES. In the siting of new electric transmission facilities, including high-voltage transmission lines, as defined in s. 196.491 (1) (f), it is the policy of this state that, to the greatest extent feasible that is consistent with economic and engineering considerations, reliability of the electric system, and protection of the environment, the following corridors should be utilized in the following order of priority:

(a) Existing utility corridors.

(b) Highway and railroad corridors.

(c) Recreational trails, to the extent that the facilities may be constructed below ground and that the facilities do not significantly impact environmentally sensitive areas.

(d) New corridors.

Routing and Siting Analysis Criteria

- Environmental Criteria
- Cultural and Social Criteria
- Land Use Criteria
- Engineering Criteria

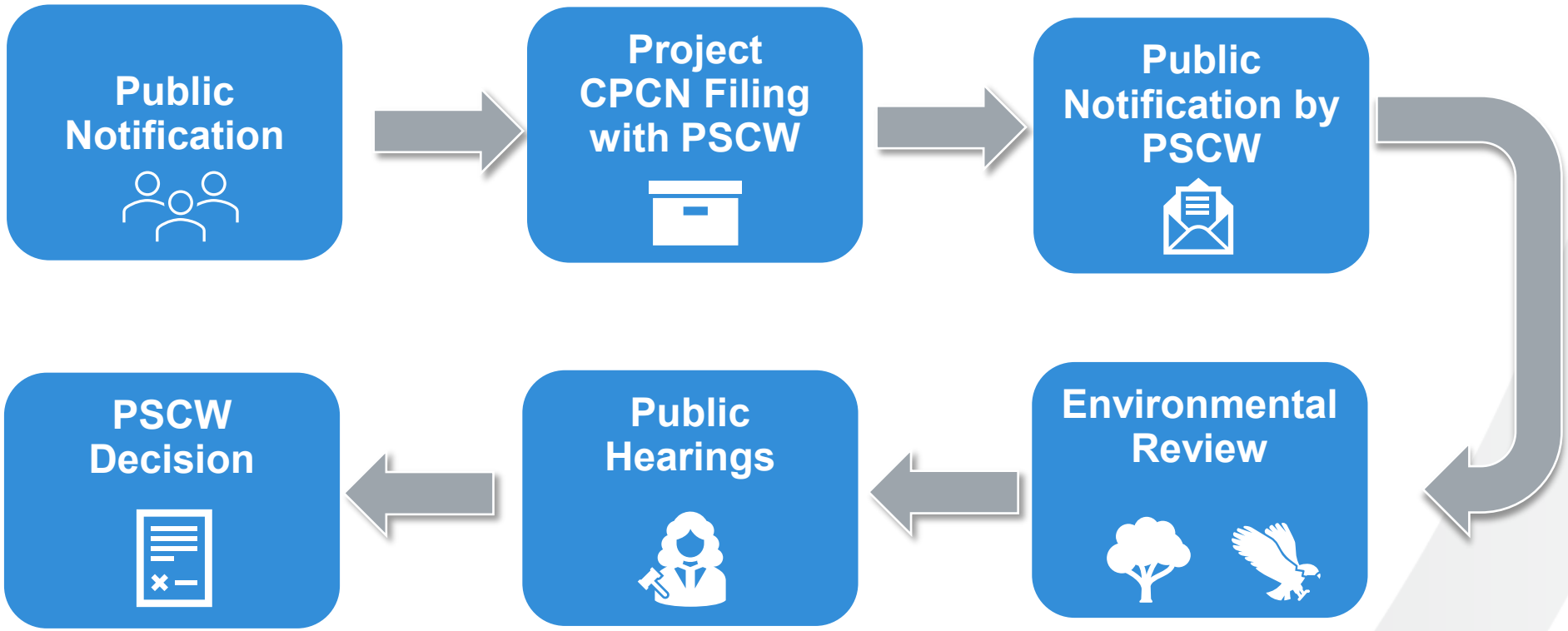
Environmental Commitment

- Minimize environmental impacts, ensure regulatory compliance
- Identify & map natural resources to support route selection & regulatory approval
- Site within existing corridors where possible
- Regulated by WDNR, U.S. Army Corps of Engineers, U.S. Fish & Wildlife Service
- Monitor during and post construction
  - Construction best management practices
  - Compliance with permit conditions
  - Complete site restoration

What is an Easement?

- Property rights that grant permission to use another person's land for a specific purpose.
- Ownership and title to the property remain with the landowner.
- If property is transferred/sold to new owners, the easement rights remain in place.
- Rights vary but typically limit the use of the easement area, allowing ATC to remove trees, incompatible vegetation and other obstacles that could interfere with the safe operation, maintenance, and access of the electric grid.

Regulatory Review & Approval Process



Project Recap

- Reduce constraints on the electric grid, maintain reliability, support increasing demand for energy and provide access to lower-cost energy including renewable generation.
- ATC is proposing to build a new line and upgrade an existing line to connect the Elm Road Substation in Oak Creek to the Racine Substation in Racine.
  - ~3.5 miles of new 345 kV power line
  - ~9 miles of reconfigured existing power line to 345-kV
- Regulatory filing Summer 2025, Project in-service 2028.

Thank you!