# ABOUT TRANSMISSION INFRASTRUCTURE PARTNERSHIPS

Transmission Infrastructure Partnerships Limited (TIP-1) is a partnership between Taykwa Tagamou Nation (50%), ATX Canada (25%) , a subsiduary of Ameren Corporation, a Fortune 500 utility company, and Vires Partners Inc (25%) , a company focused on working with First Nations and Inuit for infrastructure investment opportunities.

The TIP-1 partnership was formed to build a power transmission line that will supply clean, green, electricity to a new nickel mine being developed by Canada Nickel Company (CNC).

CNC's Crawford Nickel Mine is one of the largest nickel deposits in the world. Nickel is a key commodity to facilitate the green energy transition and to supplying the production of stainless steel.

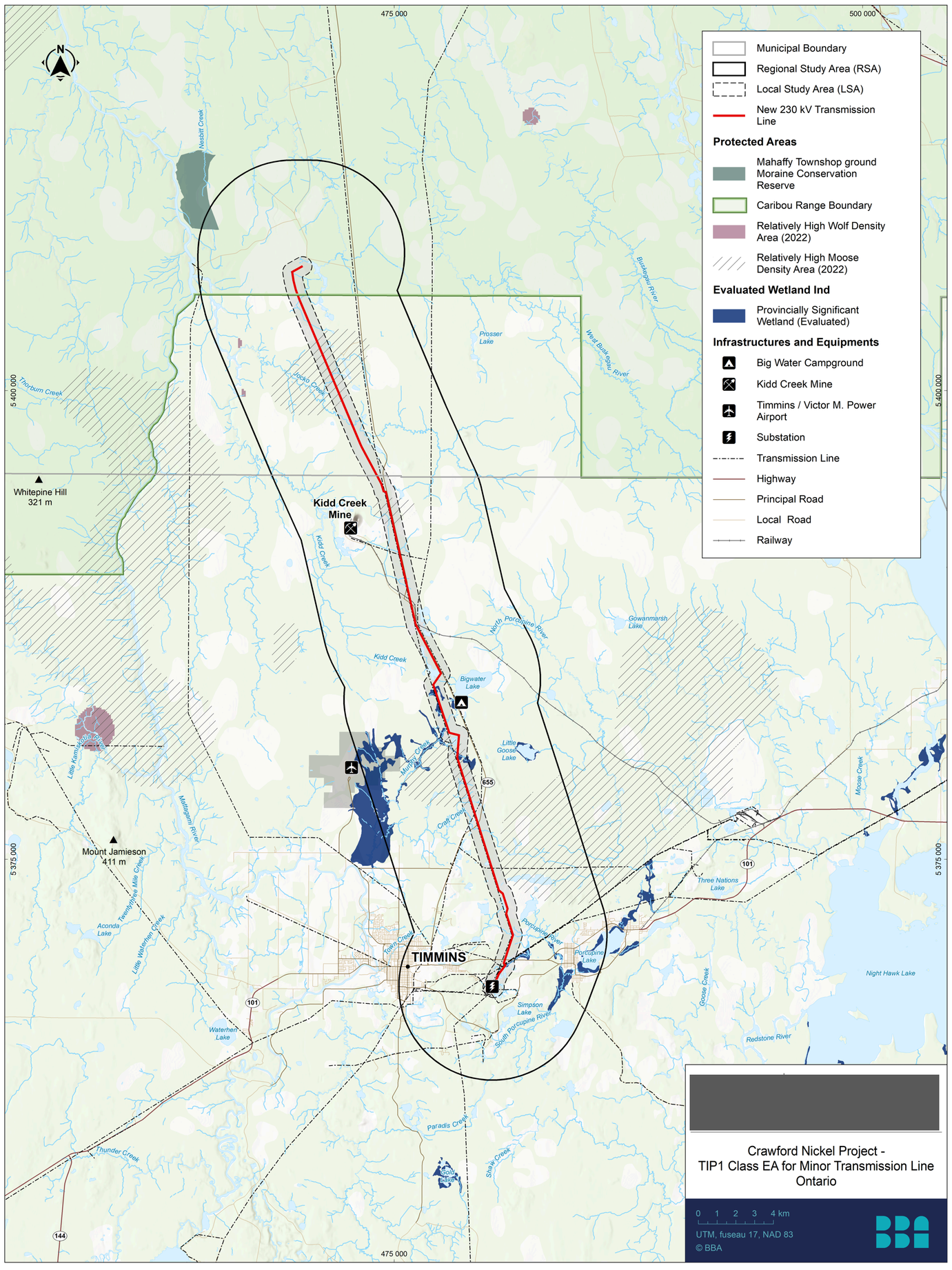
The Crawford Mine will also be the world's largest carbon neutral mining operation with an all-electric powered mining fleet and an ability to capture and sequester carbon emissions.

Carbon neutrality at the mine is an achievement that will be facilitated by the power provided from TIP-1's transmission line.

This initial project is an investment opportunity in a significant transmission line, with a high potential for stable regulated asset returns.

TRANSMISSION
INFRASTRUCTURE
PARTNERSHIPS

# PROJECT INFORMATION




## Description

A 230 kV transmission line will connect the Porcupine Substation in Timmins, ON, to a new switching station located 42 km north, adjacent to the planned Crawford Mine Project.

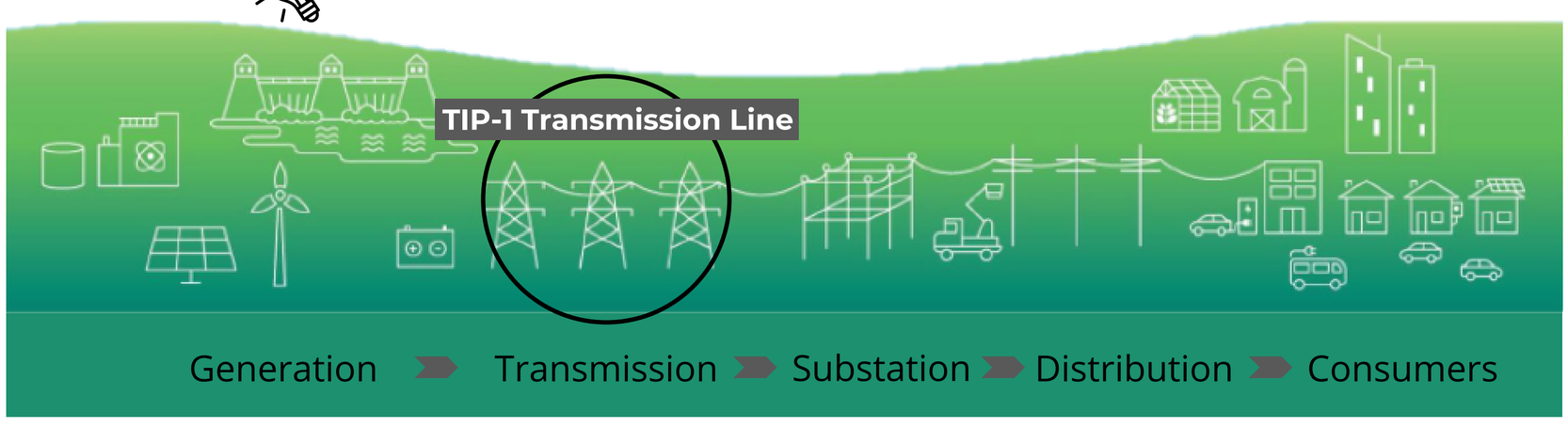
## Installation details

Transmission structures will be installed within a 50m right of way. Structures are anticipated to be a guyed steel structure pending final design.

## Environmental considerations

Watercourse crossings and sensitive wildlife habitats will be avoided wherever feasible to minimize environmental impact.

## Transmission Line vs Powerline



# NEED FOR THE PROJECT

## TIP-1 Indigenous commitment

- Taykwa Tagamou Nation holds an equal majority equity stake in TIP-1 and is dedicated to fostering Indigenous employment, contracting, procurement, support, and participation within the project.

## Critical Mineral Supply for Energy Transition

- The Project will facilitate the electrification of the upcoming Crawford Mine, a critical mineral project that will contribute to Ontario's electrification goals and the advancement of electric battery, automotive, transportation, and energy storage sectors.

## Electricity Infrastructure Needs

- The demand for dependable electricity transmission infrastructure in this region is underscored by regional planning and studies highlighting the inadequate electricity reliability in certain northern and Indigenous communities across Northern Ontario.

## Promoting Sustainable Development

- TIP-1 and the proposed transmission project support employment growth in Northern Ontario, contributing to Ontario's shift towards a lower carbon economy through the establishment of very low emissions electricity infrastructure, particularly in regions where communities heavily rely on higher emissions energy sources.

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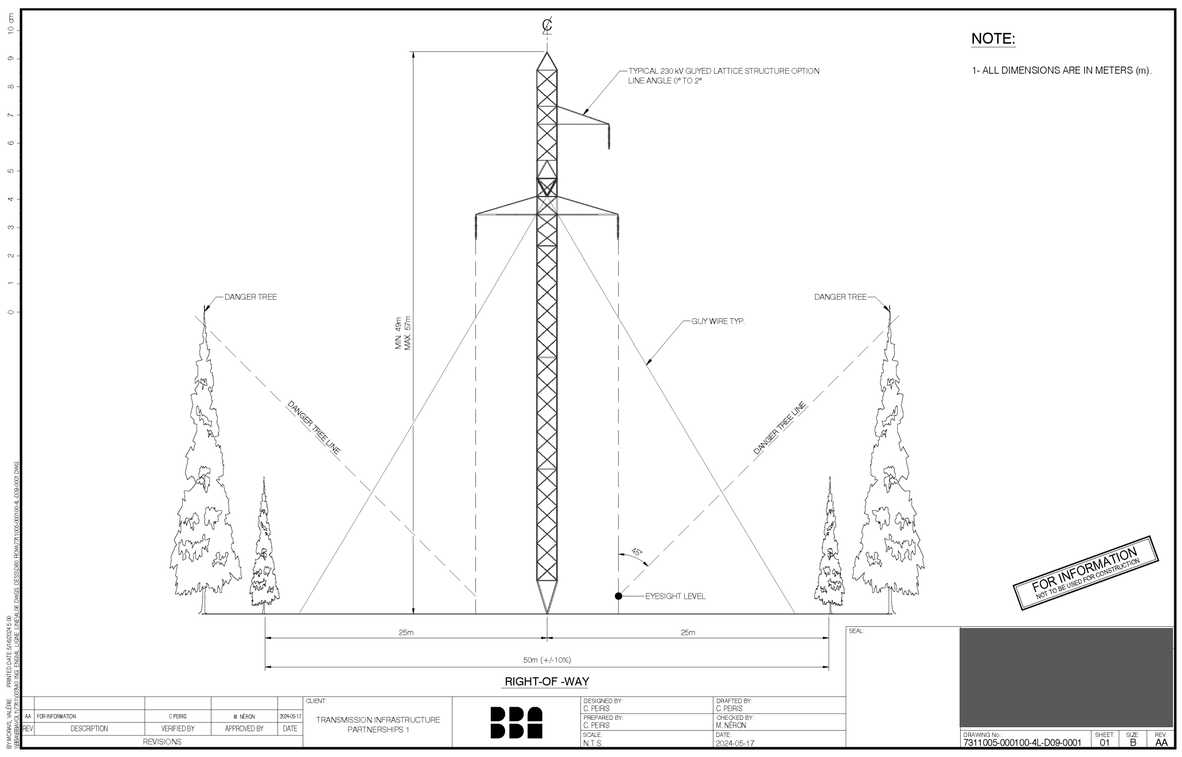
# INFRASTRUCTURE INFORMATION

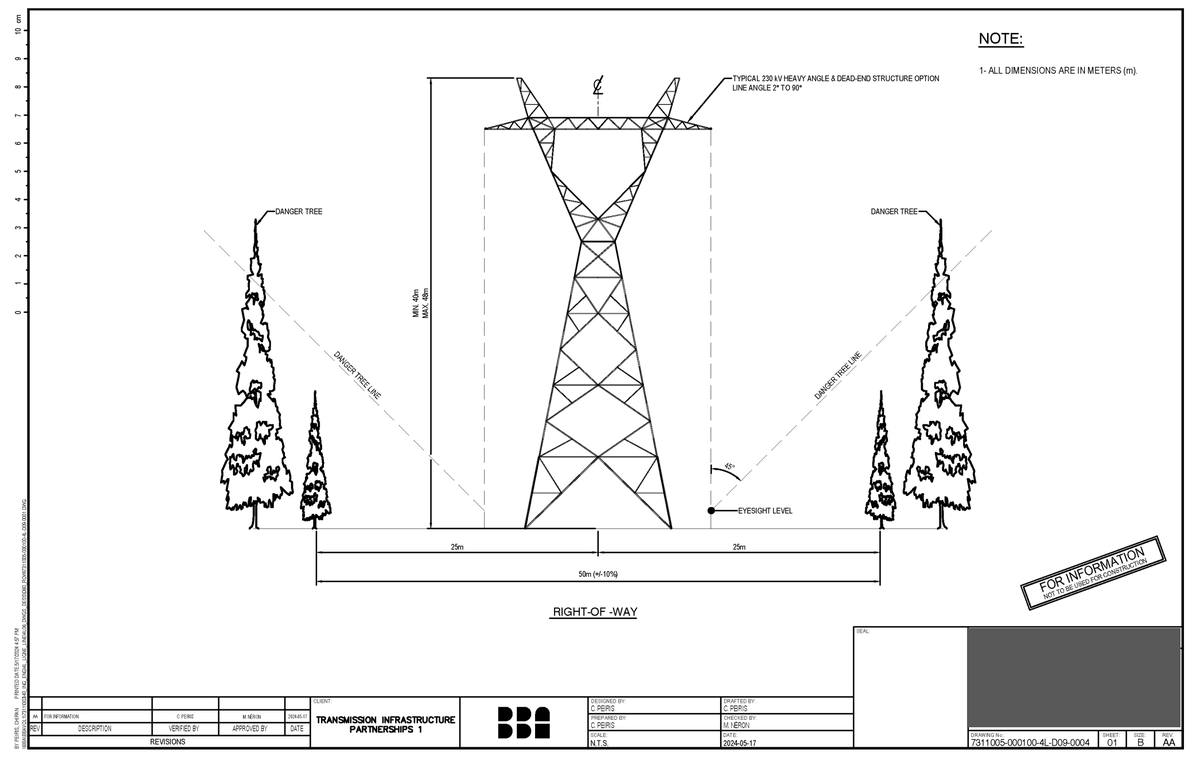
**Structural Options**

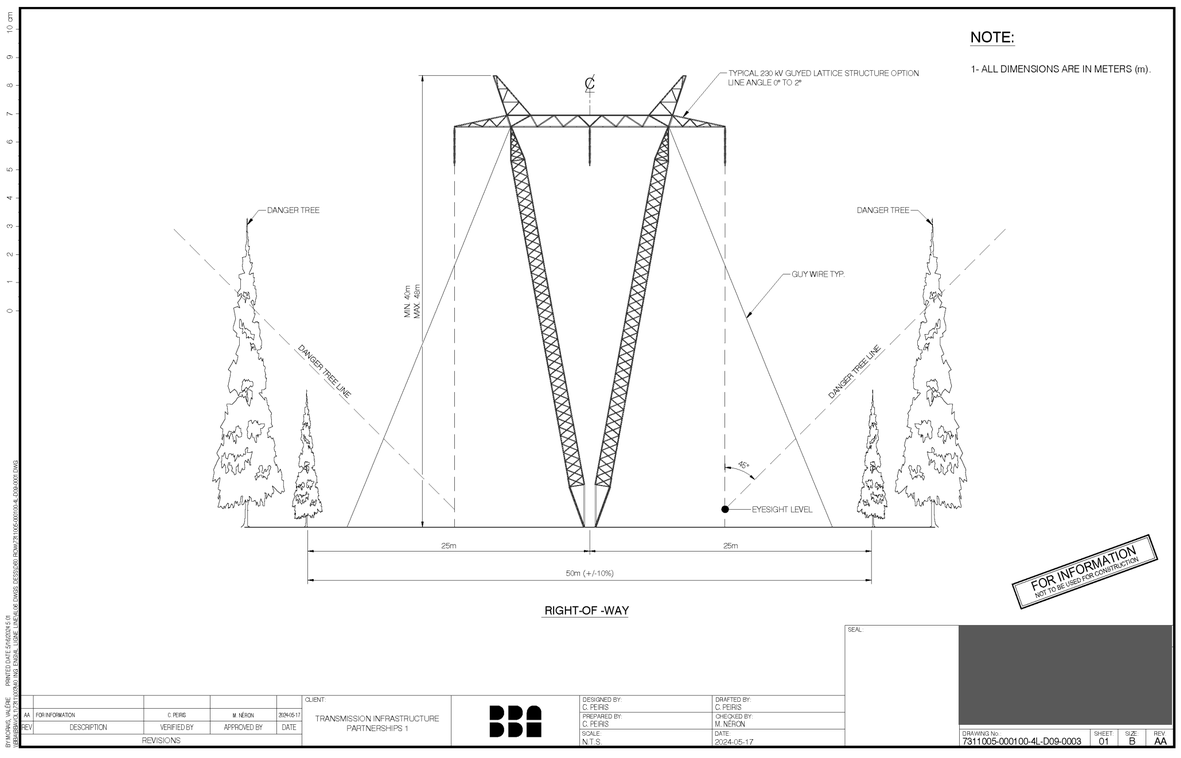
- Four types of structures are under consideration for the project.
- Two or three of these options will be selected for use.

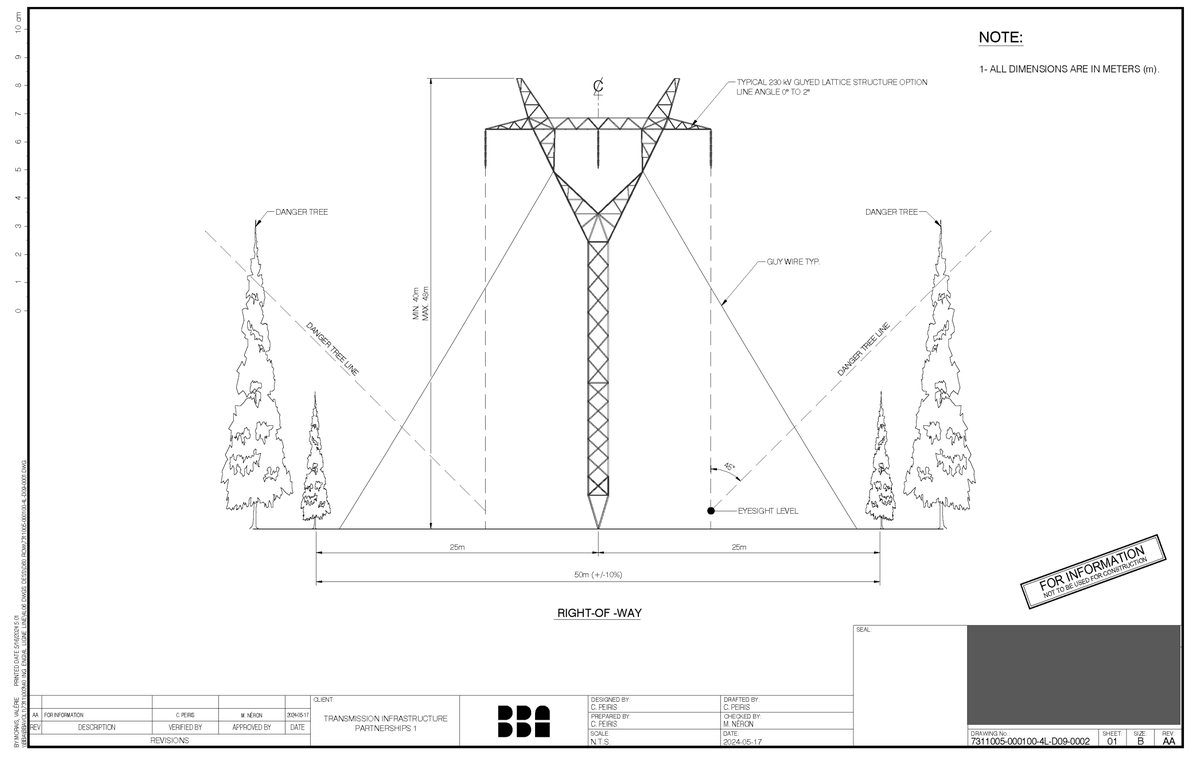
**Advantages of Steel Structures**

- Potentially greater electricity transport capabilities.
- Boast a longer lifespan compared to alternative materials.
- Fewer structures are required compared to wood poles, allowing for larger spans and greater overhead clearances.
- Lowers the risk posed by wildfire.



# INSIGHTS AND FEEDBACK

### Local Job opportunities

- Our commitment is to maximize local employment opportunities, especially for First Nations and local communities. More detailed job numbers will be provided as the project progresses.
- We will provide a list of required job qualifications to interested stakeholders to ensure they are prepared for employment opportunities associated with the project.
- Meaningful opportunities for indigenous communities will include employment, training, procurement, and economic development.

### Engagement and consultation efforts

- We have held introductory meetings with key regulatory agencies and provided a Notice of Commencement in accordance with the Class EA guideline to Indigenous communities and provincial regulators.
- Conducted a first public information session in Timmins on November 15 and a community information session with the Taykwa Tagamou community on February 1st.
- Proactive steps have been taken to engage with indigenous communities throughout the project's development process.
- We are in communication with the Wabun Tribal Council, representing the Matachewan, Flying Post, and Mattagami nations, with plans for formal consultations to be scheduled.

### Environmental process

- The Class EA for Transmission Facilities mandates an environmental inventory covering various aspects including Agriculture, Forestry, Cultural Heritage, Human Settlements, Mineral Resources, Natural Environment Resources, Recreational Resources, and Visual Resources.
- Criteria considered during route selection included minimizing environmental and cultural impacts, optimizing land use, maximizing operational efficiency, and ensuring compliance with regulatory requirements.
- The current route was selected to minimize habitat impacts through colocation with other facilities and minimize total length, reduce turns, minimize the length through high density moose and wolf habitat, and avoid dwellings.

# UPDATES ON OUR CHANGES

- Changed line route to minimize environmental impacts
- Substituted wood poles with steel structures