Enclosure: Provincial Advice Record – Summary of Issues and Potential Cooperation Plan

Project: Crawford Nickel Project
Proponent: Canada Nickel Company
CIAR No.: X83857
Response invited by: **September 7, 2022**

All comments should be submitted via the ***Submit a Comment*** feature available on the Project's Canadian Impact Assessment Registry page (reference 83857)[1]. Letters and forms can be uploaded using this feature. If you have any difficulties submitting this way, please contact the Agency at *Crawford@iaac-aeic.gc.ca.*

1. Confirm whether your ministry would participate in the federal impact assessment process for this Project. ☐ Yes ☐ No

   If yes, please provide contact details for the person(s) who will be working with the Agency.

Ministry/Agency: Ministry of Transportation Ontario	
Date of Advice: September 2022	
Primary Contact Name, Title, Work Unit: Raymond Hong, P.Eng Area Manager	
Email: Raymond.Hong@Ontario.ca	**Phone: 705-491-1207**
Alternate Contact Name, Title, Work Unit:	
Email:	**Phone:**
Generic Email (for public):	

2. Expertise

Please identify and describe the area of expertise within your ministry that is relevant to an assessment of the Project.

[1] *http://iaac-aeic.gc.ca/050/evaluations/proj/83857.*

Highway Engineering
MTO Highway design standards, TACC Highway Design Guidelines, Highway commissioning of new Highway alignment.

Environmental
Requirements of MTO's Class Environmental Assessment Process for Provincial Transportation Facilities must be met.

Geotechnical
Pavement structure design of new highway.

Structural
MTO Structural Manual
MTO Structural Planning Guidelines

Property
Acquisition of property for new highway alignment.

Geomatics
Legal surveys for new highway right of way for new highway alignment. Highway designation for new highway alignment. Revocation of highway designation for old highway alignment.

Corridor Control
Ensuring new alignment addresses access and set back requirements satisfy MTO Corridor Control standards.

Traffic
Ensuring appropriate traffic control measures satisfy OTM Book 7.

3. **Key issues and solutions**

(a) From the perspective of the mandate and area(s) of expertise of your ministry, what are the key issues that are material and relevant to decision-making and should be addressed? In identifying key issues, be mindful of the Project's context (size, scope, geography, policy) and the definitions of *effects*,[2] *sustainability*[3] and *public interest*.[4]

(b) For each **key** issue:

i. Identify the relevant valued component(s) within your mandate and describe the key pathway of effect, or describe the nature of the issue. This may consider[5] positive and negative effects on components of the environment or on health, social and economic conditions.

ii. Identify any clarifications or commitments the Proponent could make in its Detailed Project Description and Response to the Summary of Issues that would build confidence that issues can be addressed and managed without further impact assessment[6], or that can help focus the Tailored Impact Statement Guidelines[7], if an impact assessment is required.

(c) For each issue and solution discussed, provide a concise, plain-language summary that is appropriate for inclusion in the Summary of Issues.

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[2] Note: effects, direct and incidental effects, and effects within federal jurisdiction are defined in section 2 of the *Impact Assessment Act,* which can be found at *https://www.canada.ca/en/impact-assessment-agency/corporate/acts-regulations/legislation-regulations.html*

[3] Guidance: Considering the Extent to which a Project Contributes to Sustainability *https://www.canada.ca/en/impact-assessment-agency/services/policy-guidance/practitioners-guide-impact-assessment-act/guidance-considering.html*

[4] Policy Context: Public Interest Determination under the *Impact Assessment Act* *https://www.canada.ca/en/impact-assessment-agency/services/policy-guidance/public-interest-determination-under-impact-assessment-act.html*

[5] Other considerations may include sources of high uncertainty that complicate predictions; the purpose and need for the Project and selected alternatives.

[6] This could mean that mitigation measures that the proponent has committed to in the Detailed Project Description are referenced in the potential Tailored Impact Statement Guidelines.

[7] For example, regulatory instruments, operational guidance or well-understood mitigation and monitoring measures of proven effectiveness.

4. Provincial policies, operational guidance, and permits and approvals

Within the mandate and area(s) of expertise of your ministry, list, along with a brief description, specific operational policies or guidance documents that could help address issues and manage effects relevant to the project context.

Highway Engineering
Ministry of Transportation Highway Design Standards. (MTOD, OPSD)
TACC Geometric Design Guide for Canadian Roads
MTO Highway Planning and Design Process Guidelines

Environmental
MTO's Class Environmental Assessment Process for Provincial Transportation Facilities
The required realignment of highway must meet the requirements of MTO's Class EA process for a 'B' category undertaking including consultation, evaluation of alternatives, addressing the predicted impacts and incorporating responses to any and all applicable legislation (Endangered Species Act, Fisheries Act, Heritage Act, Migratory Birds Convention Act, etc.).

Geotechnical
For geotechnical design of pavement structure, the investigation and design must be carried out in accordance with standard ministry procedures including Provincial Pavement Engineering Investigation Guidelines (current version 2.1) and MTO Pavement Design and Rehabilitation Manual. The pavement structure design is required to be carried out considering both the structural capacity requirements and frost susceptibility.

Structural
Canadian Bridge Design Code
MTO Structural Manual
MTO Structural Planning Guidelines
Canadian Navigable Waters Act

Geomatics
Legal Survey Manual
Engineering Survey Manual

Corridor Control
MTO Highway Corridor Management Manual

Traffic
Ontario Traffic Manual Book 7

(a) List and provide a short description of provincial permits or regulatory approvals that might be applicable to the Project.

(b) For each provincial permit or regulatory approval that would be required for the Project, please provide the following information:

i. Explain any associated framework to address effects on valued components within your mandate.

ii. Describe any Indigenous consultation activities that would occur, potential timelines for Indigenous participation, and how potential impacts to Indigenous communities are addressed by your ministry.

iii. Describe any public participation opportunities that would occur, and potential timelines for public participation.

5. Is there any additional information related to the geographic context of the Project (e.g. potential effects to natural heritage features, Indigenous protected and conserved areas, provincial species at risk, provincial policy statements on planning or zoning in the area) for which your ministry has information or authority?

Highway Engineering Previous contract drawings and tender documents of existing Highway 655. Environmental Previous environmental reports of existing Highway 655. Geotechnical Previous contract drawings and tender documents including borehole logs.