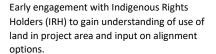
PTH 1E TWINNING - PROJECT OVERVIEW

MAY 2023 - OCT 2025

CONCEPTUAL DESIGN

<u>Purpose:</u> Gain understanding of existing conditions, design parameters and requirements. Develop corridor alternatives and select preferred alternative.



Develop corridor alternatives and evaluate based on social, environmental, engineering, cost, and other criteria.

Includes Phase one engagement with IRH and stakeholders (SH) to provide project overview.

Crown-Indigenous Consultation initiated.

Includes Phase 2A engagement with IRH, SH & EngageMB to present three viable corridor alternatives for consideration and evaluate.

Select preferred corridor alternatives and develop alignment alternatives.

Includes review TKLUO studies completed by IRH for information to be included in the evaluation matrix.

Includes Phase 2B engagement with IRH, SH & EngageMB to present evaluation matrix and alignment alternatives for evaluation.

Evaluate and select preferred alternative.

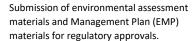
Includes Environmental Assessment Process following selection of preferred alternative.

Includes Phase 3 engagement with IRH, SH & EngageMB to share preferred alternative.

Refine preferred alternative. Document study findings and complete Final Report.

FUNCTIONAL DESIGN

Purpose: To select an alignment within the preferred corridor and begin design.
Selection of alignment will be based on preliminary site investigations including preliminary geotechnical investigations and topographic surveys among others.



Ongoing Crown-Indigenous Consultation with IRH directly impacted by the preferred corridor alignment. Maintain low-level engagement with IRH indirectly impacted.

To include the IRH engagement and SH/public engagement to keep groups informed of project progress.

Preliminary site investigations including geotechnical investigations, topographic surveys, data gathering & collection and utilities coordination.

Establish acceptable design criteria, prepare design specifications, functional design drawings and preliminary structural drawings.

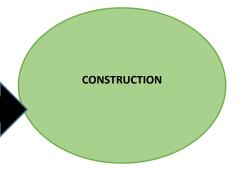
Completion of functional design study report.

To include Environment Approvals.

To include land acquisition.

DETAILED DESIGN

<u>Purpose:</u> To further advance the design and specifications sufficiently to construct the infrastructure.



Ongoing Crown-Indigenous Consultation with IRH directly impacted by the preferred corridor alignment. Maintain low-level engagement with IRH indirectly impacted.

To include the IRH engagement and SH/public engagement to keep groups informed of project progress.

Further coordination with utilities and Pipeline.

Completion of construction drawings, project specifications, tender documents, and construction schedule.

Completion of detailed design report.

Tender process for construction contract.