

To minimize impact to communities, Trans Mountain used the following considerations to guide its routing decisions:

- Route along existing Trans Mountain pipeline right-of-way where practical
- Where not practical to locate within existing Trans Mountain right-of-way, locate additional right-of-way immediately adjacent to existing right-of-way



- In areas where land use has changed significantly, review alternatives through routing studies in combination with engagement process to provide study corridor with alternative corridors where necessary
- Engage with local governments, utility companies and other stakeholders to route on previously-developed land and in transportation corridors to the extent practical
- Where not practical to locate within or next to Trans Mountain right-of-way, minimize new linear disturbance by



locating pipeline adjacent to existing linear developments (e.g., railways, roads, utility right-of-ways)

- Where “greenfield” location is required, minimize impacts to environment, indigenous lands, present and future land use, and future operations and maintenance
- Refine routing during ongoing detailed design and construction planning
- Meet all requirements of the NEB, the Canadian Standards Association (CSA) and all applicable regulatory authorities



PROPOSED RE-ROUTE FOR KAWKAWA LAKE IR REALIGNMENT

- Trans Mountain proposes a realignment within Kawkawa Lake IR located southeast of the Union Bar First Nation Kawkawa Lake IR No. 16 in the District of Hope
- The realignment extends outside the study corridor approved by NEB, therefore, Trans Mountain will apply under Section 21 of the NEB Act to revise the pipeline alignment
- No new land parcels are impacted by the realignment and the number of road and utility crossings will remain the same
- Once constructed, the proposed new permanent right-of-way will be 18 m wide

and will partially overlap with the existing TMPL right-of-way

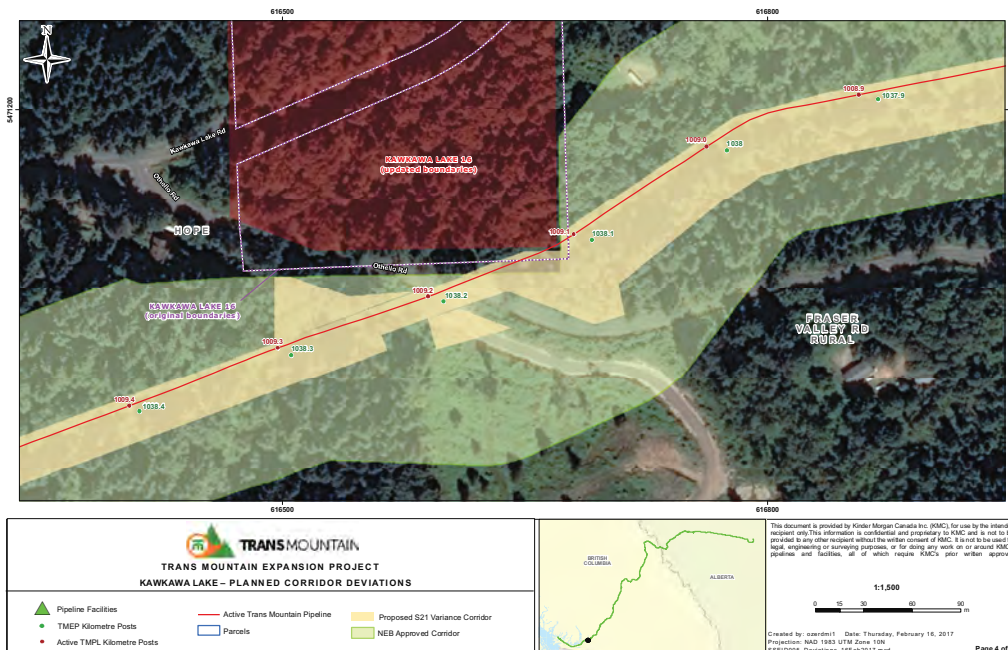
- Temporary construction footprint will be restored to the same or better condition after construction

Benefits of the realignment

- Minimize impact to water wells on two properties
- Better use of the existing pipeline right-of-way
- Reduced land disturbance

Next steps

- Section 21 filing with the NEB anticipated in Q1



ROUTING – NEXT STEPS

Trans Mountain is committed to working with each landowner along the pipeline corridor to reach voluntary agreements for the land rights needed for the Project.

Plan, Profile and Book of Reference (PPBoR)

In Q1 2017 Trans Mountain filed the Plan, Profile and Book of Reference with the National Energy Board (NEB). The PPBoR shows the exact proposed location of the pipeline and identifies the owners of the land parcels. Routing notices and maps were sent to affected landowners and tenants and additional notifications were provided through advertising in local papers.

Before Project construction can begin, Trans Mountain needs to obtain approval of the proposed detailed route from the NEB, and obtain all necessary land rights from landowners, either through preferred voluntary agreements, or alternatively through a right-of-entry process.

What if the Landowner Doesn't Agree?

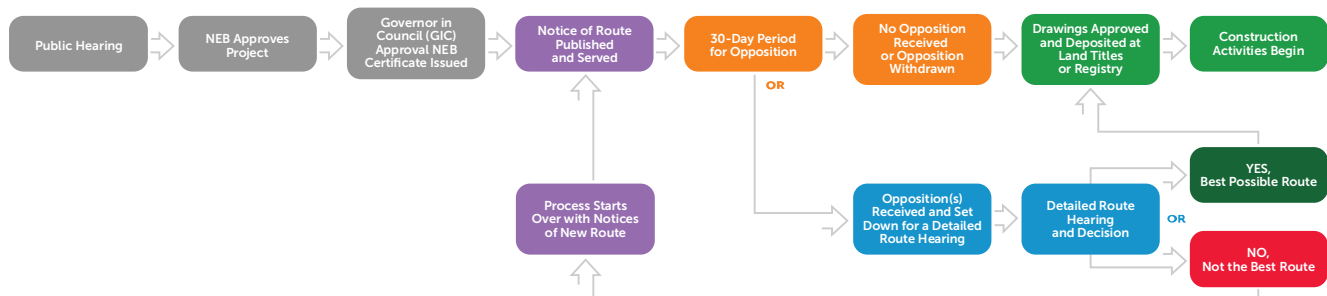
The NEB can order a Detailed Route Hearing if objections to the route are received within 30 days of the completion of notice to affected landowners.

If a Detailed Route Hearing is set by the NEB:

- Trans Mountain is required to provide evidence regarding the preferred route, proposed construction methods and timing, and any alternates considered
- Landowners can question Trans Mountain's evidence, provide evidence, and outline reasons for opposing the route
- The NEB reviews the evidence from Trans Mountain and affected landowners, and either accepts or rejects the detailed route in that specific location
 - o If the detailed route is accepted, Project construction can continue once Trans Mountain has obtained the required land rights
 - o Trans Mountain completes engineering and environmental studies for a new alternate route if the detailed route is rejected

Project construction may continue in other locations where the Detailed Route has been approved and Trans Mountain has obtained the required land rights, while a landowner's objections to the pipeline on their lands are being considered at the Detailed Route Hearing.

NEB Routing Dispute Resolution Process*



Completed

*Note: NEB Routing Dispute Resolution Process is available to assist landowners and company in reaching an agreement