

# SOUTH FRASER PERIMETER ROAD RE-ROUTE

- Based on technical studies and input from stakeholders, Trans Mountain developed a pipeline alignment adjacent and parallel to the South Fraser Perimeter Road (SFPR) to avoid routing through Surrey Bend Regional Park (SBRP)
- The SFPR re-route is outside the approved pipeline corridor for approximately 3 km and is located on titled lands in the City of Surrey, BC. Starting at approximately KP 1159.3, the re-route stays on the southwest side of the South Fraser Perimeter Road (Highway 17) to avoid SBRP. The re-route crosses 179 Street at KP 1159.3 and parallels Daly Road before crossing to the southwest side of Highway 17 at approximately KP 1160.3. The re-route then parallels Highway 17 for approximately 2 km, rejoining the approved pipeline corridor at KP 1162.3 (see map).
- Trans Mountain submitted the SFPR Route Realignment Environmental and Socio-Economic Assessment (National Energy Board (NEB) Condition 7) to the NEB in March 2017
- The SFPR re-route is subject to approval by the NEB, agreement by the BC Ministry of Transportation and Infrastructure and additional geotechnical studies

## Benefits of SFPR re-route

- The SFPR re-route addresses concerns related to routing through Surrey Bend Park
- Minimizes impact to wetlands

## Partial trenchless construction advantages

- Reduced construction footprint and surface impact during construction
- Reduced tree removals
- Reduced ground/soil disturbance and soil erosion potential
- Reduced disturbance of natural surface and subsurface water flows
- Trees retained between residential neighborhoods and the pipeline right-of-way provide visual barrier from highway and railway
- Reduced impact to Pacific Water Shrew and other terrestrial wildlife



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



## ROUTING – NEXT STEPS

Trans Mountain is committed to working with each landowner along the pipeline corridor in reaching a 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.

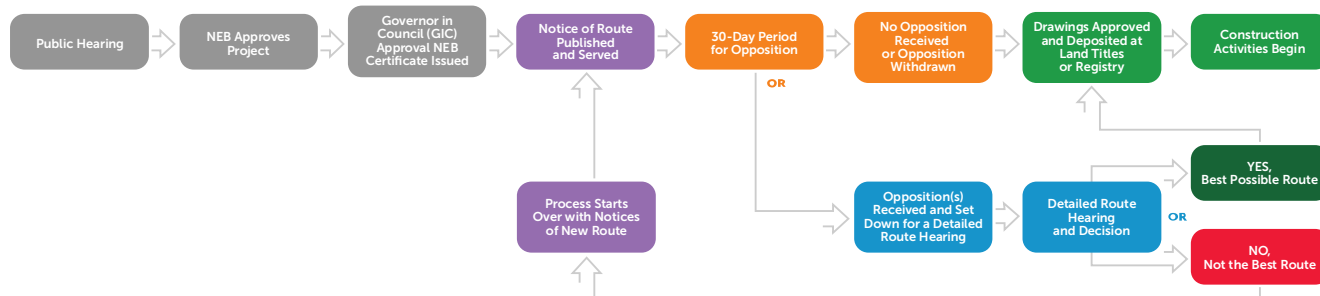
If a Detailed Route Hearing is set by the NEB:

- 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