



Fraser River Tunnel Update 2024

March 20, 2024

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Director, Transportation**

Agenda

- Fraser River Tunnel
- Steveston Interchange
- Questions

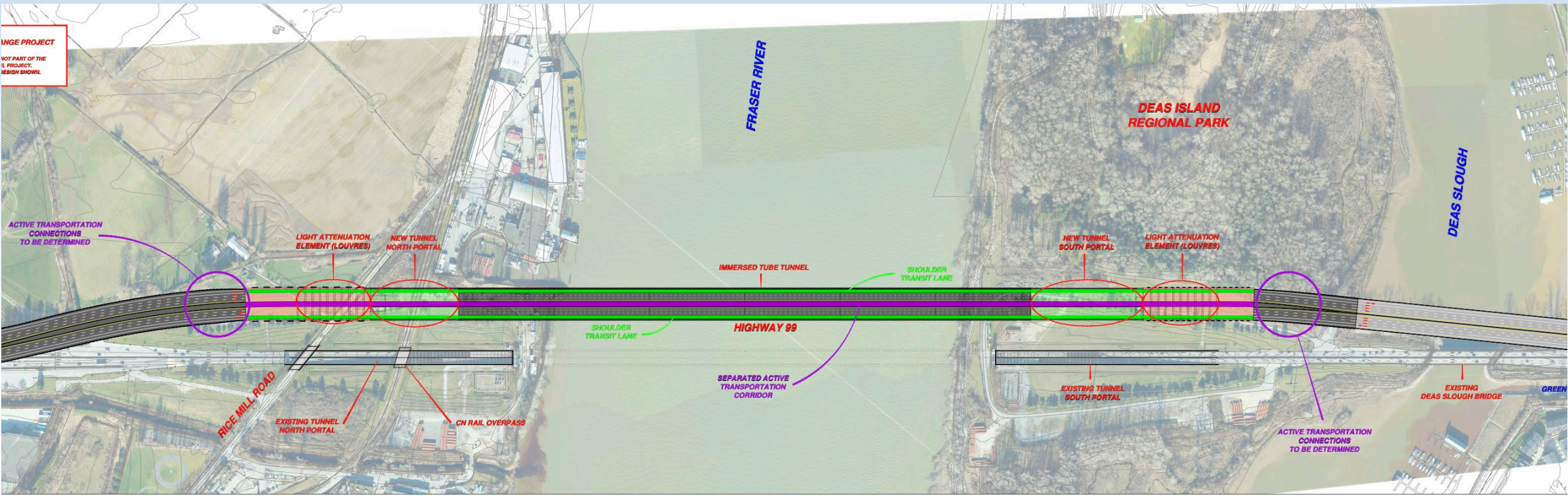


Fraser River Tunnel - Overview

- 780 m in length
- 1.3 km including ramps
- 8 Lane Immersed Tube Tunnel
- 2 dedicated Transit Lanes
- 6 General Purpose Lanes
- Cyclist and Pedestrian Facilities
- East of Existing George Massey
- \$4.15 B (2021 Dollars)
- Scheduled Completion 2030
- ~~Existing GMC Tunnel removed by 2032~~

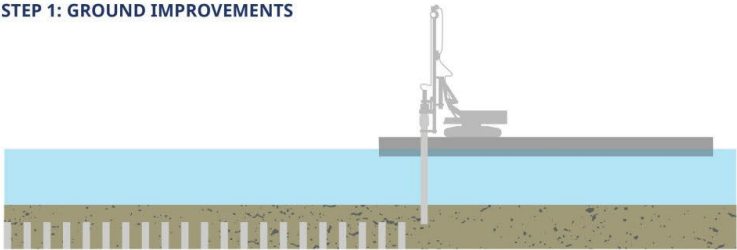


Fraser River Tunnel - Location

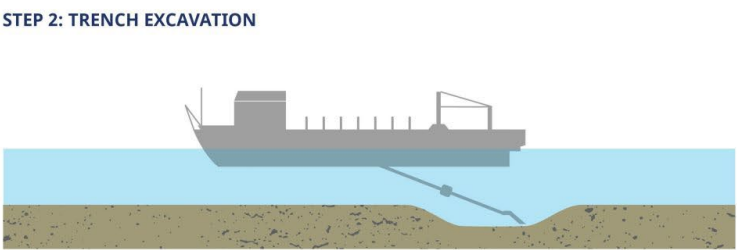


Construction Technique

STEP 1: GROUND IMPROVEMENTS



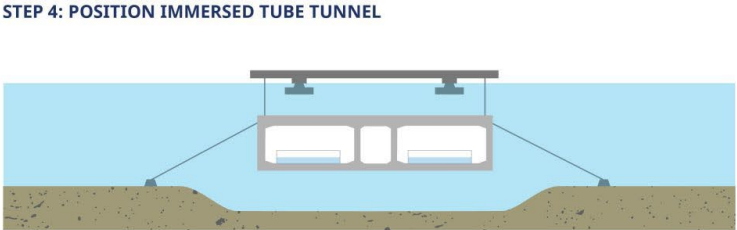
STEP 2: TRENCH EXCAVATION



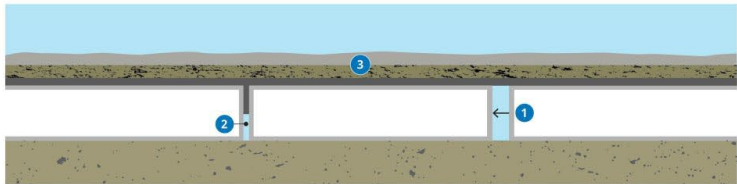
STEP 3: TOW IMMERSED TUBE TUNNEL



STEP 4: POSITION IMMERSED TUBE TUNNEL



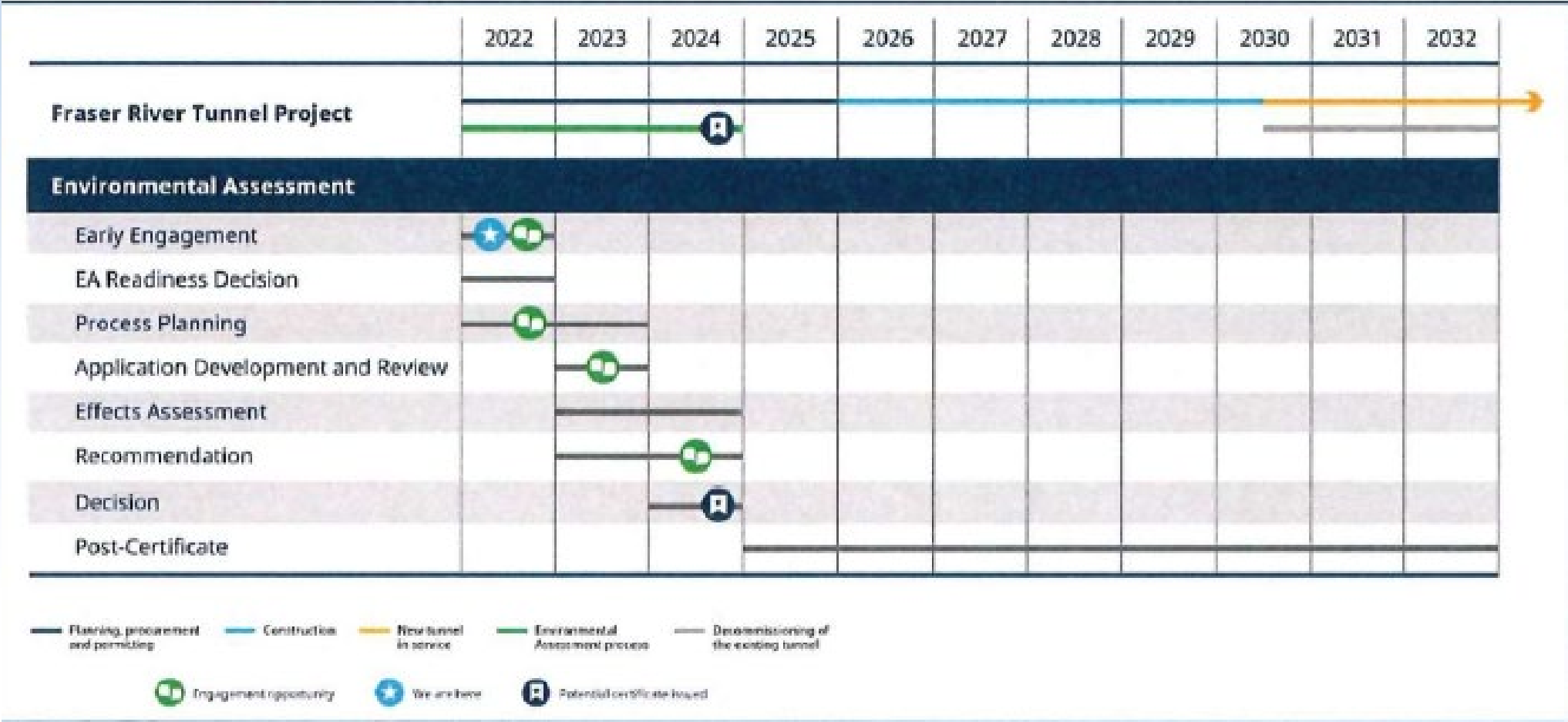
STEP 5: SEAL SECTIONS AND ADD PROTECTIVE LAYERS



WHAT IS AN IMMERSED TUBE TUNNEL?

An immersed tube tunnel is an underwater tunnel composed of prefabricated tunnel elements that are floated and towed to the tunnel alignment, lowered into place with ballast tanks and then linked together.

Fraser River Tunnel – Schedule



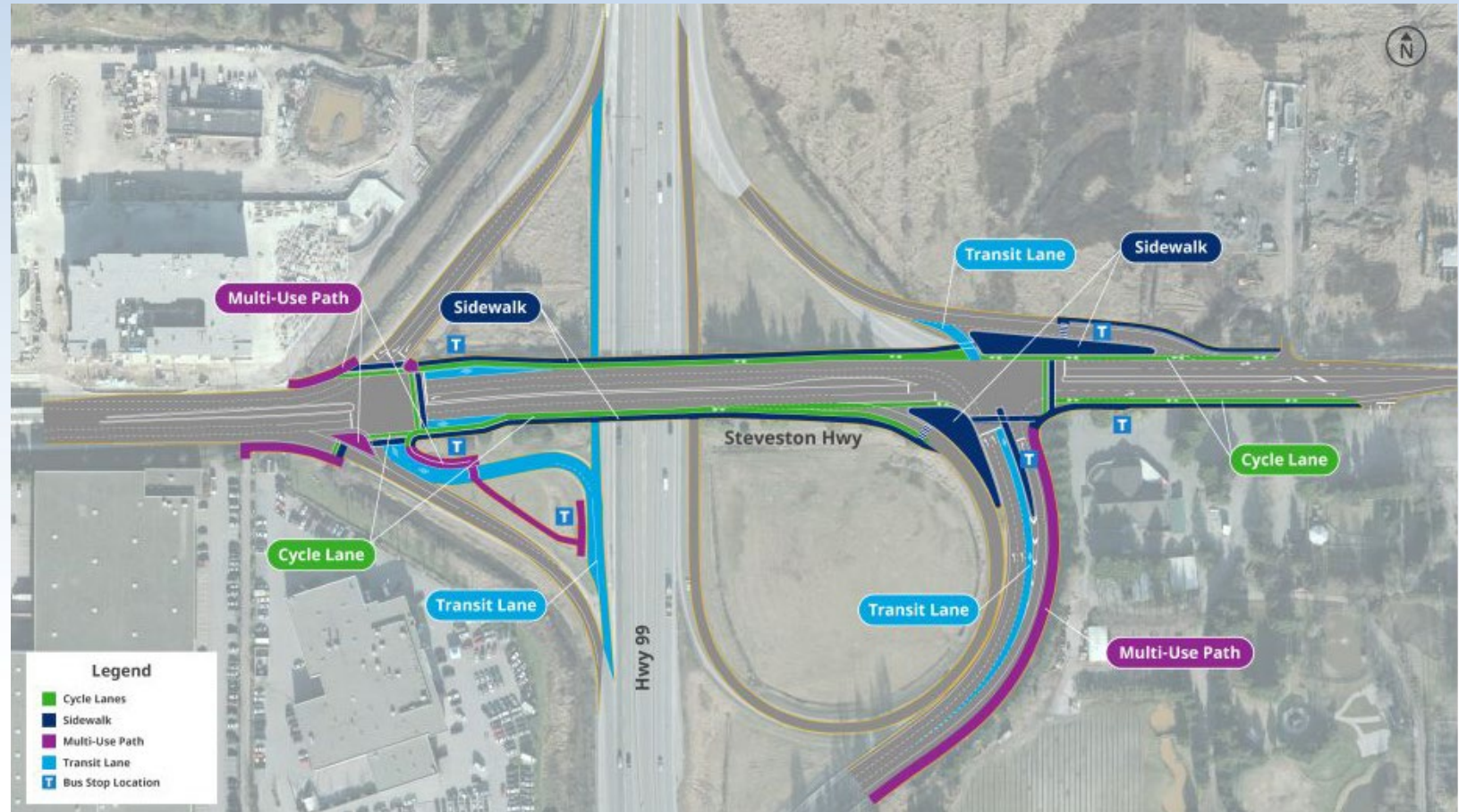
Fraser River Tunnel - Progress

- Request for qualifications for design/build team – June 2023
- 3 teams shortlisted – October 2023
- Project in the Environmental Assessment process



Steveston Interchange Project

- 5 General Purpose Lanes
- Pedestrian and Cycling Facilities
- Design/Build Contractor is Flatiron
- \$87.5 M (2021 Dollars)
- Scheduled Completion 2025



Steveston Interchange Project Progress

- Site preparation complete
- Geotechnical foundation work complete
- Pile driving under way
- Building in two segments to maintain traffic



Steveston Interchange Project



Questions?

