



December 15, 2022

MEMO TO : Park Board Commissioners

FROM : Donnie Rosa - General Manager

SUBJECT : **Stanley Park Temporary Bike Lane Removal Update – Board Briefing Memo**

Dear Commissioners,

The purpose of this memo is to provide an update on the removal of the Stanley Park Temporary Bike Lane per the Board Motion adopted December 5, 2022, and inform the Board on a proposed approach that will facilitate meeting the 2022 holiday season deadline.

Overview of Bike Lane Removal

The information below provides the timelines, costs and site work required to remove the bike lane. An overview of the work is provided to help understand why a phased removal is required.

The current bike lane was installed in 2021 following Board direction to complete extensive engagement with the accessibility community, stakeholders in the park and the public and make improvements from the 2020 bike lane. In response to this engagement work a more robust bike lane was implemented in 2021, thus requiring a more involved approach for the current lane's removal.

The removal of the temporary bike lane (approx. 9km in length) from Park Drive, involves the following construction works:

1. Removal of 700 traffic delineators and 1,000 traffic cones;
2. Removal of 250 signs, with bracket hardware and mounting posts;
3. Removal of 830 concrete barriers using special machinery to load onto trucks and haul barriers off site (6-8 barriers at a time);
4. Scrubbing and full removal of 3.5 km of line painting;
5. Removing some temporary asphalt;
6. Reinstated traffic lines vehicular lines where required;
7. Line painting/ signage for modified intersections at Ferguson Point & Beach Ave; and
8. Traffic management for all work above.

Cost

A preliminary cost estimate for this work is between \$375,000 to \$425,000. A detailed breakdown of this estimate can be found in appendix A attached to this memo. The removal will be funded out of the Capital Plan from accounts dedicated for permanent cycling infrastructure.



Projects of this scale in Stanley Park are almost exclusively done at night to avoid major disruptions to park access and use during the day. This estimate assumes night work which is on average 30% higher than daytime costs due to higher labour costs and double handling of material when disposal sites are closed.

Procurement & Construction Timeline

The City of Vancouver's procurement process requires all projects over \$200,000 in value follow a request for services (RFS) process with quotes from at least three (3) vendors. Contract drawings developed and stamped by an Engineer are required for both cost detailed estimating, bidding and execution of the works. Estimated timeframe of 14 weeks is required for the following scope:

- development of construction drawings;
- request for quotes from 3 vendors;
- review of vendor quote submissions;
- selection of a contractor;
- signing of contract and insurance;
- mobilization; and
- construction works.

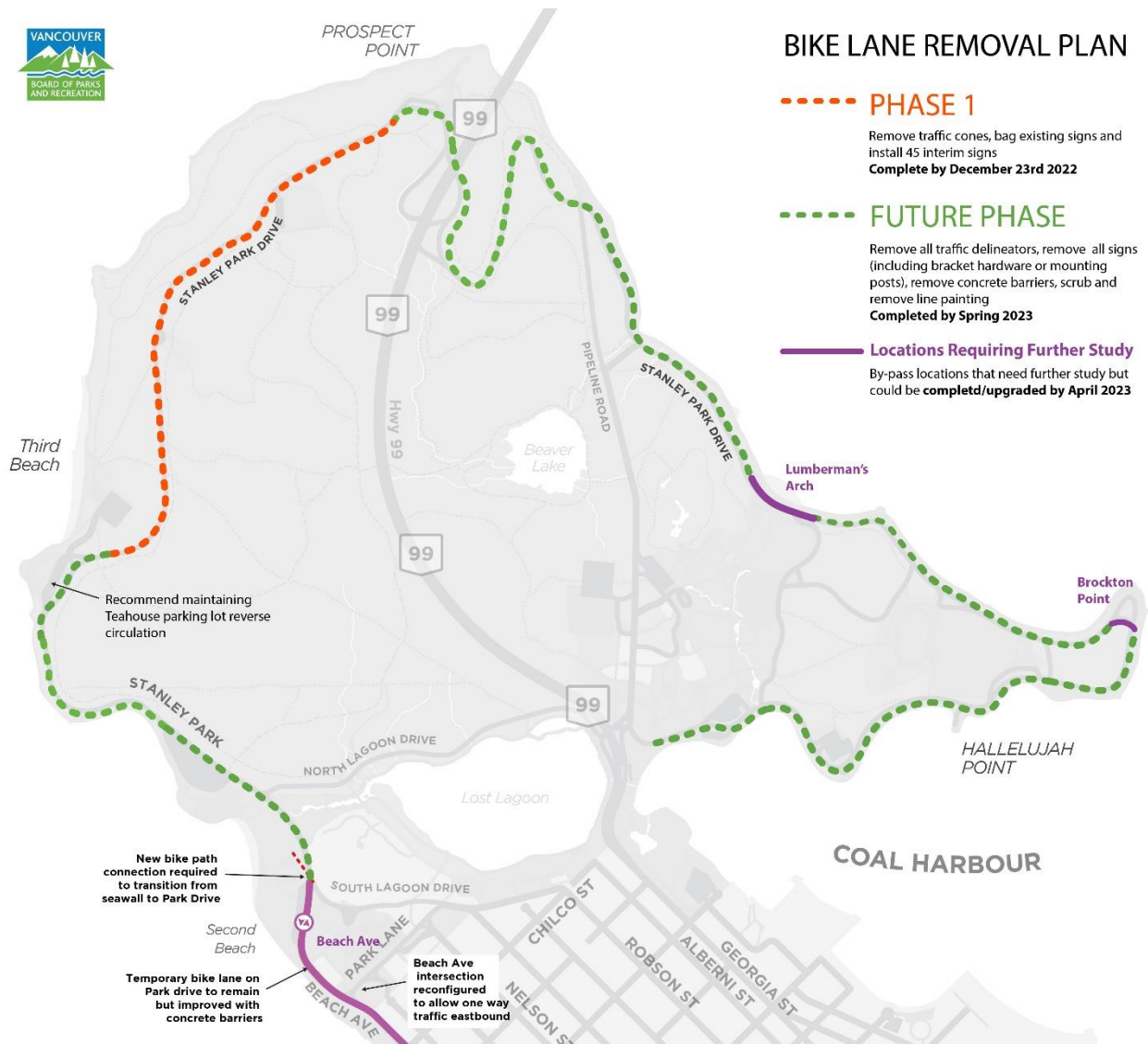
This required timeframe puts the full removal complete by the first week of April 2023 at the earliest. It should also be noted that, irrespective of the procurement and construction timeline, permanent line painting cannot be done in wet weather or colder temperatures, and while it is the last piece of work in the construction sequencing, it is typically not possible until April at the earliest.

Phased Approach

Staff have reviewed the temporary bike lane design with Parsons Engineering, the Engineer of Record for the 2021 bike lane design, and have determined that a portion of the removal of the bike lane could be expedited with the addition of interim signage. Staff have confirmed that the removal of the cones on the west side (along with the installation of new temporary signage as required) would be achievable by December 23rd, 2022.

The cones would be removed from Prospect Point around to Third Beach. Removal of the cones on the west side of the park would effectively remove the "separated" bike lane in this section, where the left-hand lane becomes a shared lane with vehicles. The exception to this is on Park Drive in front of Prospect Point, and Ferguson Point (at the Teahouse) to Second Beach. These small segments of Park Drive at Prospect Point, Ferguson Point and Second Beach would involve the removal of concrete barriers, removal of asphalt paving and/or scrubbing of line painting, which would require more time and be included in a future phase by the spring of 2023.

Approximately 27 new interim signs will be required for Phase 1 to ensure that vehicles merge into a single lane for those small segments where the bike lane will remain until it can be fully removed as part of the future phase. Refer to the map below, which outlines the proposed phasing for this work.



BIKE LANE REMOVAL PLAN

PHASE 1

Remove traffic cones, bag existing signs and install 45 interim signs
Complete by December 23rd 2022

FUTURE PHASE

Remove all traffic delineators, remove all signs (including bracket hardware or mounting posts), remove concrete barriers, scrub and remove line painting
Completed by Spring 2023

Locations Requiring Further Study

By-pass locations that need further study but could be **completed/upgraded by April 2023**

The total cost for the Phase 1 work is \$25,000 which includes drawings and stamp by the Engineer of Record (EoR), fabrication and installation of new interim signage, removal of the cones, and final EoR inspections and sign off.

Locations Requiring for Further Study

Due to the complexity of the road network in and around Stanley Park, and as indicated on the map above, there are a number of areas that would require further study. This work would need to be completed prior to full bike lane removal. Staff will report back on this work in Q1 of 2023.



Next Steps

Staff have currently initiated the sign order and will begin the removal of cones on the west side as per the plans above. The Phase 1 work is anticipated to be complete by December 23, 2022. Staff will report back to the Board in Q1 of 2023 with plans and consideration (as noted above) for the removal of the remainder of the bike lane.

Staff will also initiate a communications plan for Stanley Park stakeholders and the general public to inform them of the imminent removal plan and timing.

Regards,

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.

Donnie Rosa (*they/she*)
General Manager - Parks and Recreation

/hd/jk

Copy to: PB Leadership Team
Doug Shearer, Ian Stewart - PPD
PB Communications

Appendix A - Costs for Removal - Preliminary Estimate

TOTAL: \$375,000 - \$425,000*

ITEM	ESTIMATED COST
Project Management, Traffic control, traffic management	\$50,000 - \$55,000
Removal of curb and gutters, drainage pipes, asphalt ramps and asphalt path at Ceperley and restoring area	\$45,000- \$50,000
Supervision and coordination of removal of 830 concrete low barrier (CLB) and transporting and storing offsite	\$100,000- \$120,000
Removing cones, barrels and delimiters and transporting to storage area	\$5,000-\$10,000
Removing bike lane at Teahouse including arborist supervision for asphalt removal at Cedar tree. Removing asphalt, subgrade, restoring demolished areas by bringing in soil and seeding	\$50,000
Removing pavement markings	\$65,000- \$75,000
Repainting traffic lines	\$25,000- \$30,000
Removal of signage and posts	\$35,000
Estimated total	\$375,000- \$425,000

OVERVIEW

*NOTES

1. This estimate is preliminary provided by BA Blacktop (one of the contractors who installed the 2021 bike lane) for information only. City of Vancouver procurement processes require three quotes though a Request for Services before a contract can be awarded. Therefore, as a result costs may decrease or increase. And procurement timeline is min of 4 weeks.
2. Assumes full reinstatement to previous conditions (including taking out all asphalt and paths including area by Teahouse)
3. Includes the removal of barriers and relocating them offsite (location TBD)
4. Assumes night-time work to minimize disruption to visitors (higher costs than daytime work)