



Vancouver Board of Parks and Recreation

Stanley Park Causeway Safety Improvements

March 23, 2015

Visit the Park Board website at: vancouverparks.ca



Recommendations

- A. THAT the Board approve the safety improvements to the Stanley Park Causeway proposed by the Ministry of Transportation and Infrastructure as described in this report;
- B. THAT the July 12, 1999 Causeway Agreement with the Ministry of Transportation and Infrastructure be amended to widen the surface maintenance area to reflect the proposed improvements to the satisfaction of the General Manager, Vancouver Board of Parks and Recreation and the Director of Legal Services; and
- C. THAT the environmental compensation for the use of park land be subject to approval by the Board.



Stanley Park Cycling Plan



Stanley Park Cycling Plan

March 27, 2012



Context: National and Regional Trails

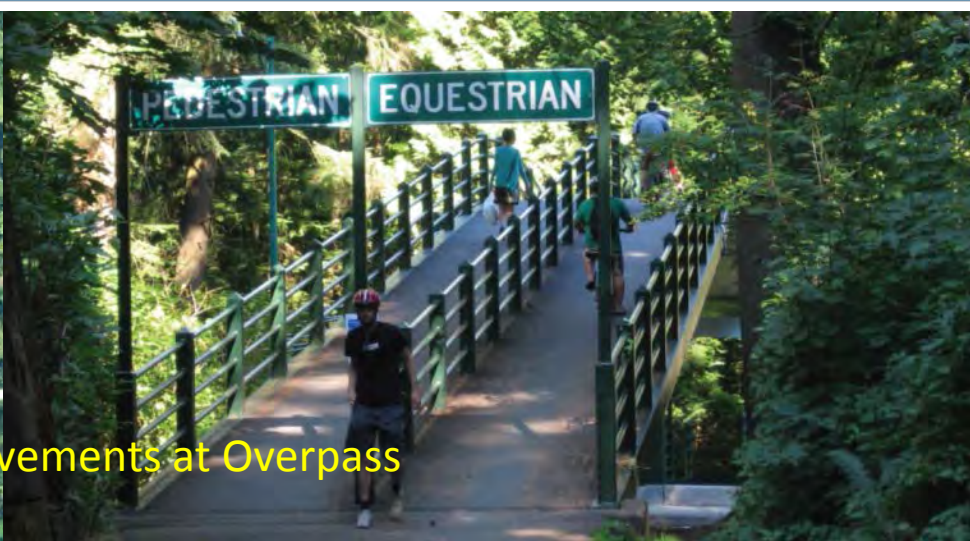
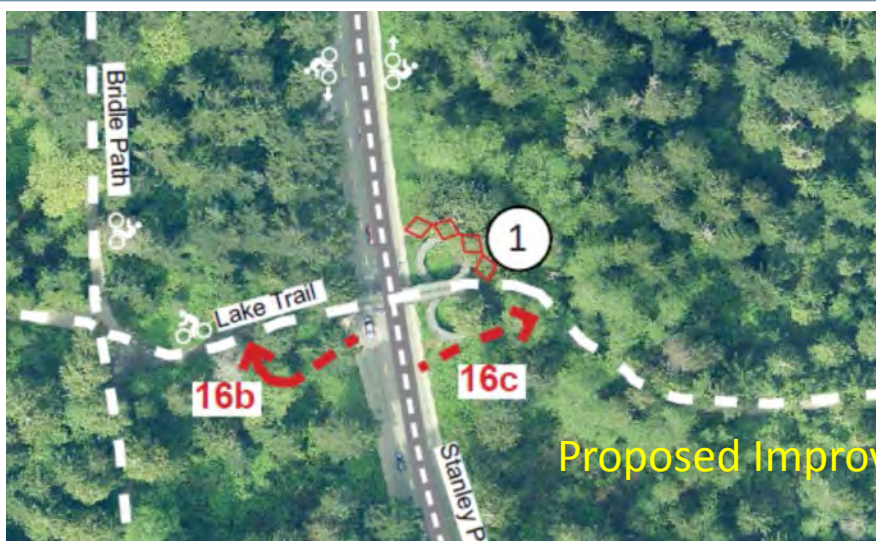
1. Trans Canada Trail Burrard Loop (2017)
2. Great Blue Heron Trail
3. National Hiking Trail



Proposed Trans Canada Trail Burrard Loop



Safety and Access Improvements at the Causeway




Proposed Improvements at Overpass

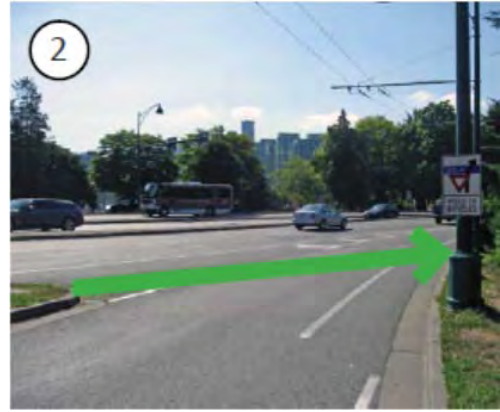
Proposed and Implemented Improvements at south end of Causeway



Description:

Proposed one-way bike path (asphalt) 

New bike path from Causeway sidewalk that "T's" with North Lagoon Drive. Signage should direct cyclists onto North Lagoon Drive.





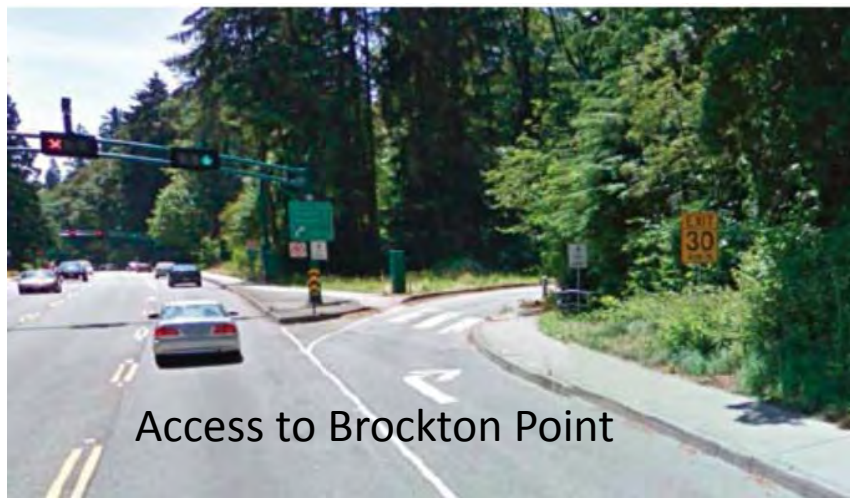
Cycling Plan: Increased Safety and Accessibility



Proposed Accessible Loop



Recommendation 18a



Access to Brockton Point



Steep access to Causeway south of the Rose Garden

Context: Cycling Plan Implementation



Stanley Park Causeway

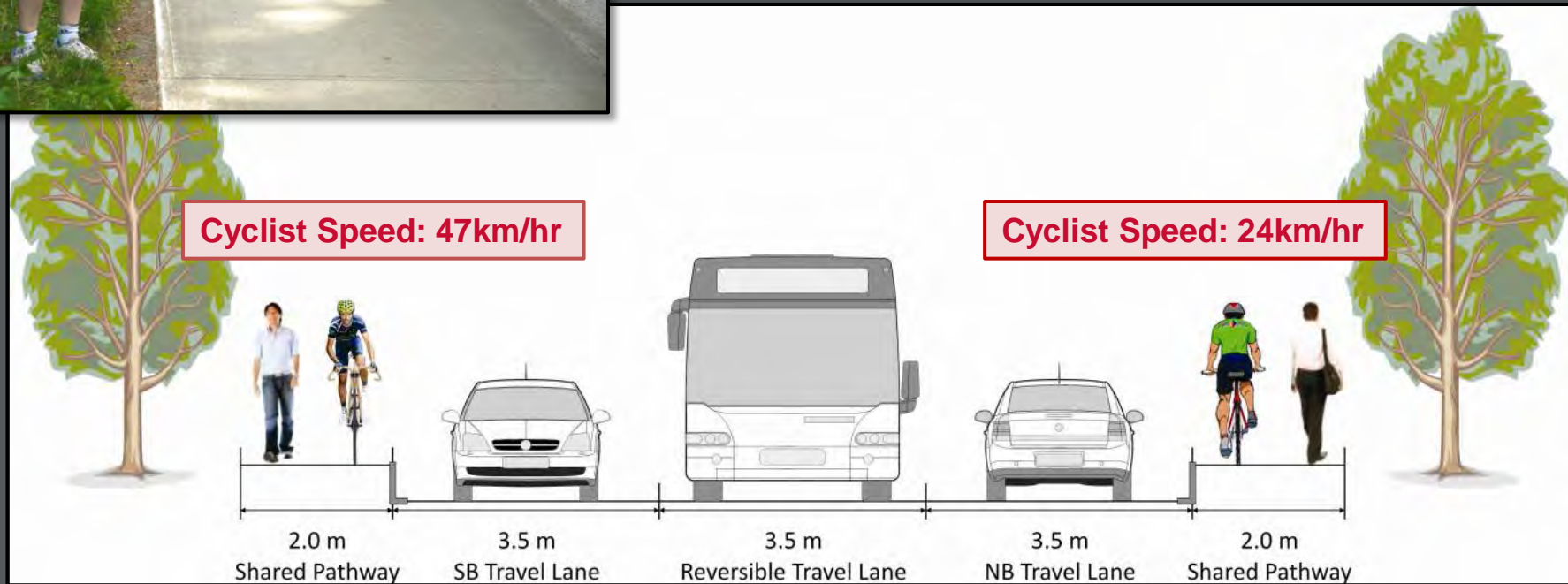
Pedestrian and
Cyclist Safety
Improvements
March 23, 2015



Background

- Fatal cyclist accident occurred May 2013
- Safety review completed in late 2013
- Started design in consultation with the Park Board, the City of Vancouver, local First Nations and various stakeholder groups in early 2014
- Public Open House held December 2014
- Consulted with new Park Board early 2015

Existing Conditions



Source: Delcan 2013

Stakeholder Comments and Concerns

- **Provide a barrier** between motor vehicle traffic and the sidewalk along the Causeway,
- **Widen cycling and walking paths** beside the Causeway to meet today's standards,
- **Minimize impacts to the park** including green space and trees, and
- **Improve wayfinding signage** between bike routes in downtown Vancouver and the North Shore, as well as within Stanley Park.

Other Options Considered

Add Railing Only - No Widening

Add Railing - Widen Both Sides Equally

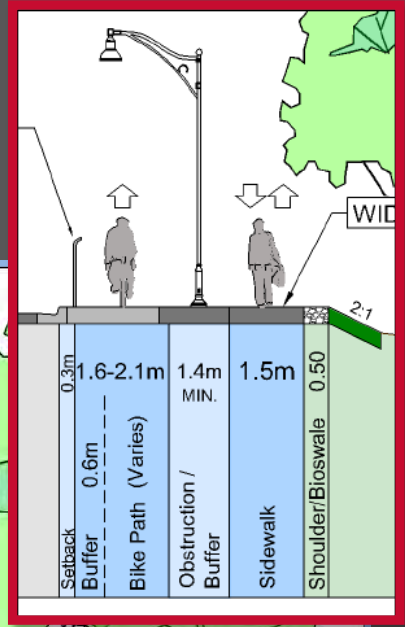
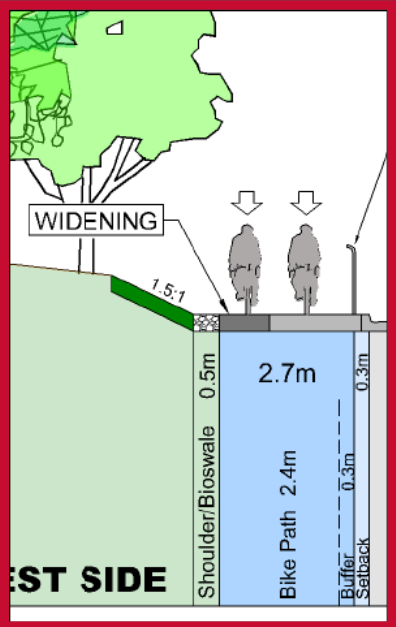
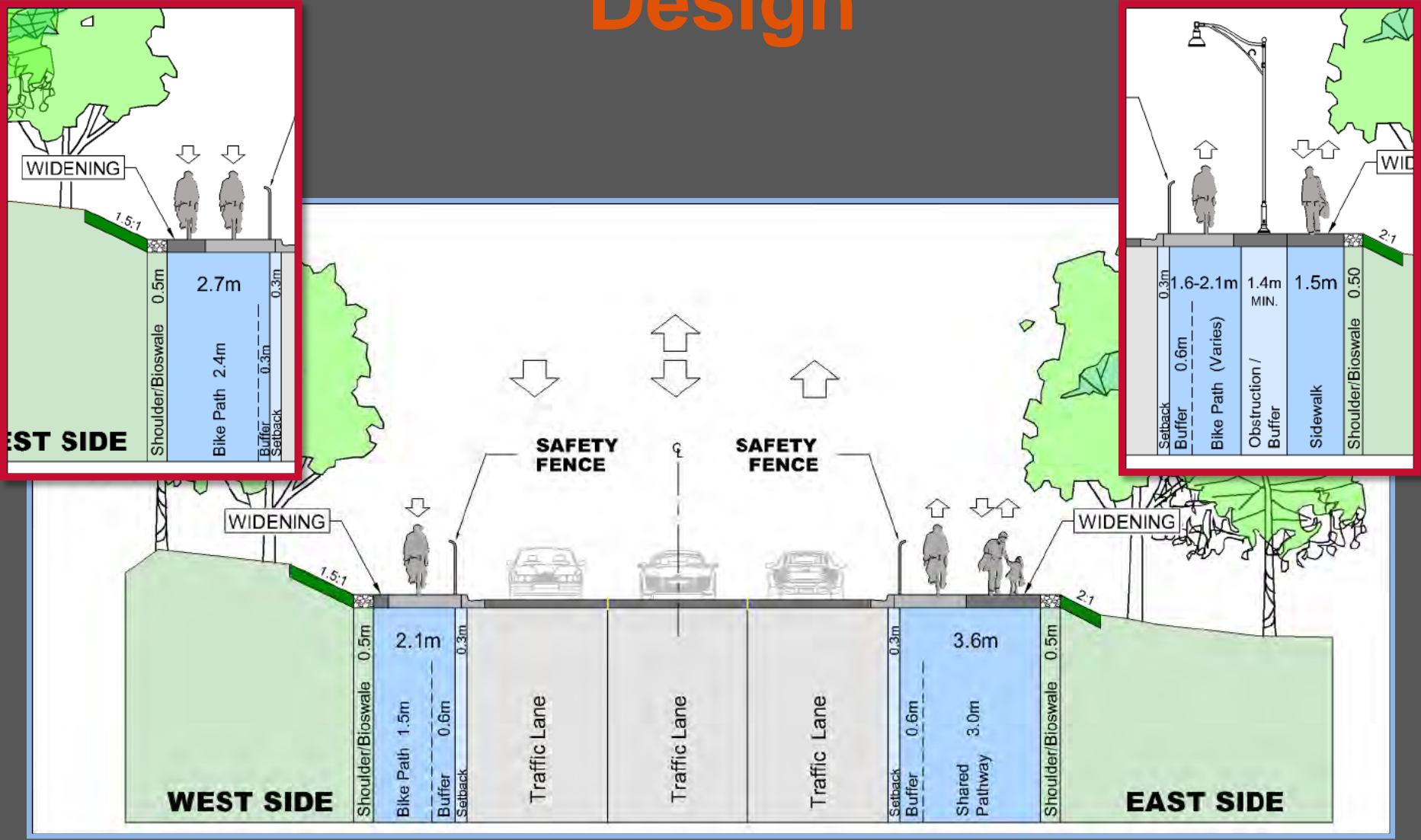
No Causeway Improvements - New Routing Through Park

- West side much more constrained than east side
- Obstructions (poles, electrical boxes, walls)
- No direct, lit, paved alternative route
- Culturally and environmentally sensitive area

Passing
Zones

Context Sensitive Design

Around
Obstacles





Cross-over Opportunities



- 1 North Bridge Head Pedestrian Underpass
- 2 South Bridge Head Pedestrian Underpass
- 3 Mid-Causeway Pedestrian Overpass
- 4 Lagoon Drive Underpass
- 5 Chilco Street Underpass

Assessments

- Archaeological Impact Assessment
 - Low potential to impact archaeological resources
- Environmental Assessment
 - Adds up to 1 acre of green space impacted (most of which is grassed area)
 - Restorative planting and re-seeding included in design
- Arborist Report
 - 14 trees identified for removal
 - 122 trees will receive protection measures (specialized excavation, backfill, and aeration)

Public Consultation Results

69% supportive, 23% neutral, 8% opposed:

- 33% requested delineation on pathway
- 13% requested etiquette signage
- 10% requested widen west side too
- 10% requested safety improvements at three ramp crossings

Next Steps

- Park Board approval of project
- Finalize design details with Park Board and stakeholder groups
- Tender construction contract
- Construction (4 months total)



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Tree Removals

Tree Species Identified for Removal	Total Removed	Dbh Per Tree (m)	Approximate Tree Age ²
Bigleaf maple	3	0.32m, 0.50m, 0.64m	30, 50, 60
English oak	2	0.23m, 0.25m	30, 30
Douglas-fir	3	0.33m, 0.50m, 0.63m	30, 60, 60
Western hemlock	4	0.22m, 0.44m, 0.57m, 1.02m(2 stemmed tree)	30, 45, 55, 60
Western redcedar	2	0.20m, 0.25m	30, 30

