

Bridges of Vancouver



No, not this one!

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Vancouver's Bridges

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Cambie Bridge



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Cambie Bridge



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Iron Workers Memorial Second Narrows Crossing



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Burrard Bridge



This vehicular bridge "guards" the entrance to False Creek, home to marinas, Granville Island, Science World and numerous restaurants.

More than a decade ago there was another bridge, just east of the Burrard Street Bridge. This bridge, the Kerrisdale railway trestle, was torn down.

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Granville Bridge

The Granville Street Bridge is one of the major thoroughfares into the downtown peninsula.



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Granville Bridge

Recent seismic upgrading has secured the trusswork to the supporting pillars.



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Granville Bridge



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Port Mann Bridge

This steel arch, once the third-longest of its kind in the world, carries the Trans-Canada highway across the Fraser River.



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Port Mann Bridge

Canada #1 westwards.



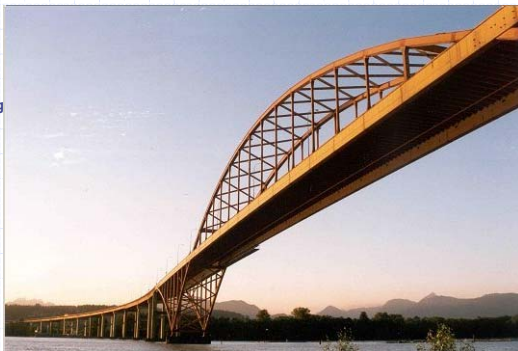
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Port Mann Bridge

In 2002 its capacity was increased with the addition of an eastbound high occupancy vehicle (HOV) lane, bringing the total to five.



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.. voices from Vancouver's past mingle with the sounds of nature, beautiful gardens skirt colourful totem poles, British Columbia First Nations artisans chisel legend into cedar and Capilano Suspension Bridge takes you to the serenity of a West Coast rainforest and Canada's award-winning attraction, ...



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Lions' Gate Bridge

Its three traffic lanes, the centre lane being switchable according to demand, are often said to be an anachronism.

In 2002 a drawn-out rehabilitation project was finally completed with all components, other than the two towers and the main support cables, having been replaced. This includes the entire deck superstructure.

The net result is smoother (slower?) traffic flow along wider lanes, although the total remains at three.



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Lions' Gate Bridge



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Lions' Gate Bridge

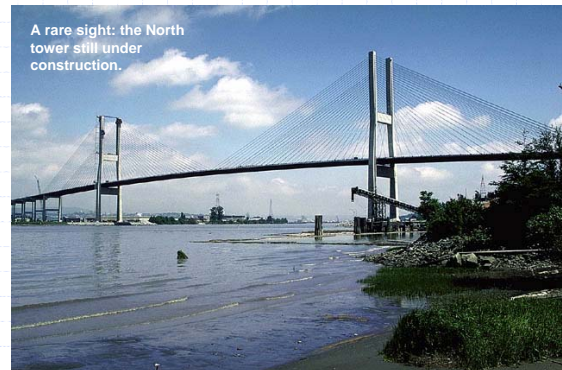


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Alex Fraser Bridge



A rare sight: the North tower still under construction.

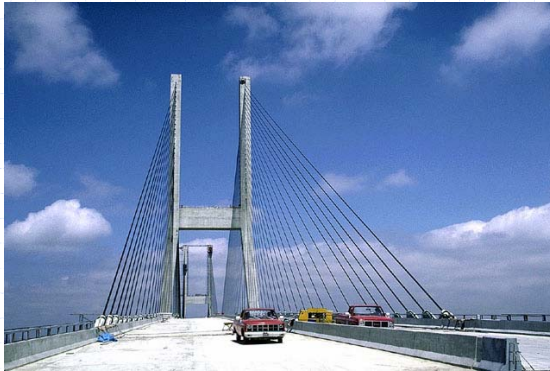
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Alex Fraser Bridge

Spans: 182-465-183 m;
Height of towers: 153.8 m



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Alex Fraser Bridge

Cable anchorages



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Golden Ears Bridge

The Golden Ears Bridge will provide a vital new link between communities on the south side of the river - Langley and Surrey - and the north-side communities of Maple Ridge and Pitt Meadows.



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Golden Ears Bridge

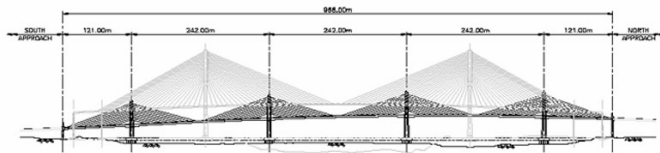


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Golden Ears Bridge



GOLDEN EARS BRIDGE ELEVATION

This drawing compares the design for the Golden Ears Bridge (with the lower profile) and the Alex Fraser Bridge.

Tutorial Make-up Problem: Take the structural systems of Burrard Bridge, Granville Bridge and Port Mann Bridge (in principle) into DrFrame-2D, load the bridge with a nominal uniform loading and depict shear and moment distributions. Do the static systems really make sense?

Solution to be handed in as PPT file electronically by e-mail before Mar. 28.

Arrgggh, it's over!

Usti nad Labem

Czech Republic : Mariansky bridge Usti nad Labem.



Usti nad Labem

Czech Republic : Mariansky bridge Usti nad Labem.



Donzere-Mondragon

Belgium : Donzere-Mondragon
Double Bow-sting Bridge for TGV



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Storebælt

Denmark: Storebælt - The East
bridge



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Storebælt

Denmark:
Storebælt - The
East bridge



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Arrgggh, now it's over!

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