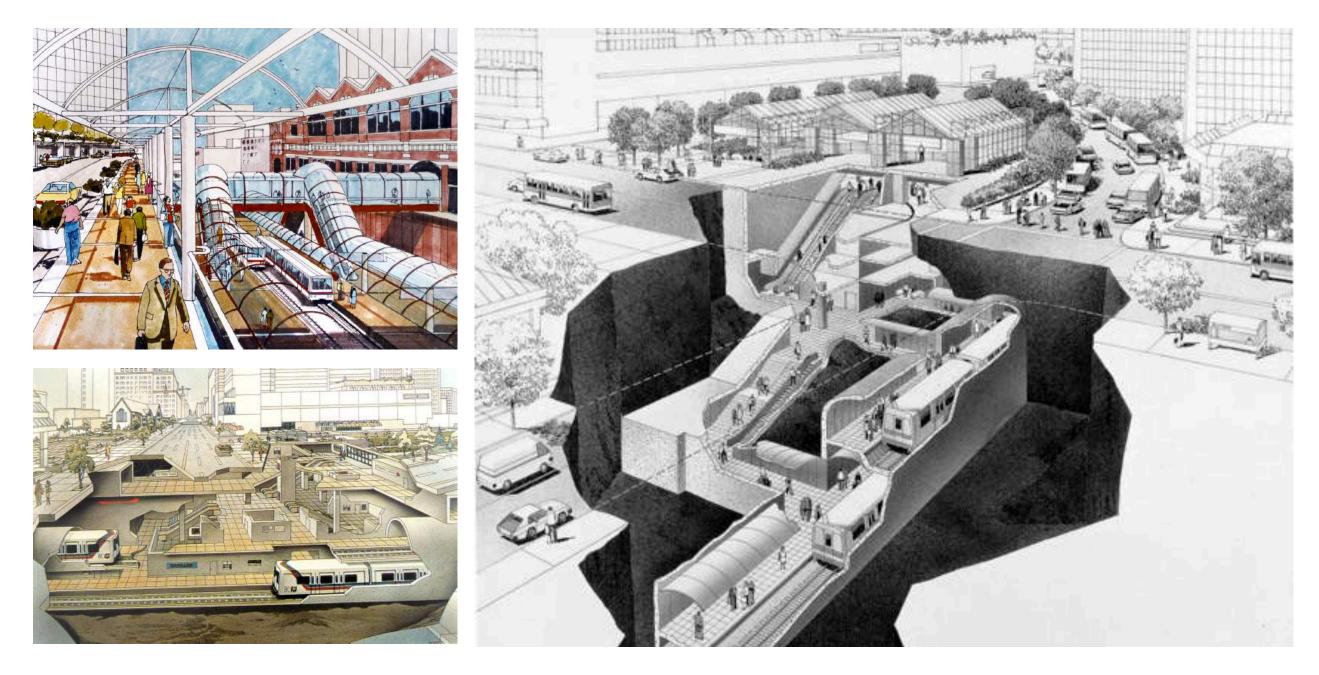
# **VANCOUVER SKYTRAIN**

# Infrastructure Case Study

Derek Wong

ARCH 544U

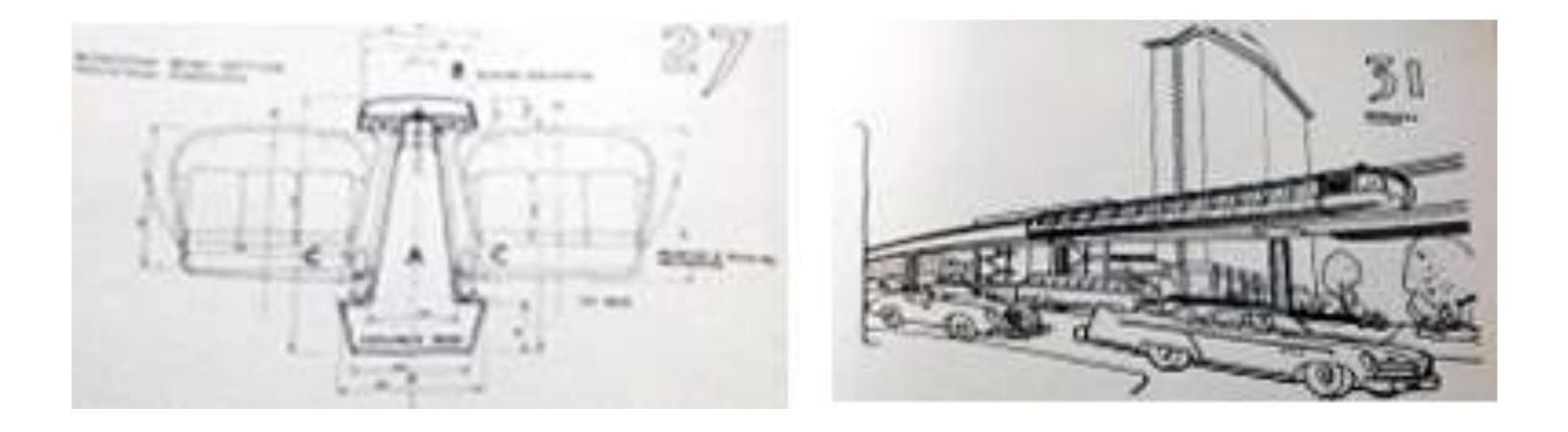
Fall 2015



Ron Love

# Monospan Twin-Ride System (MTRS)

Wells Coates, 1957

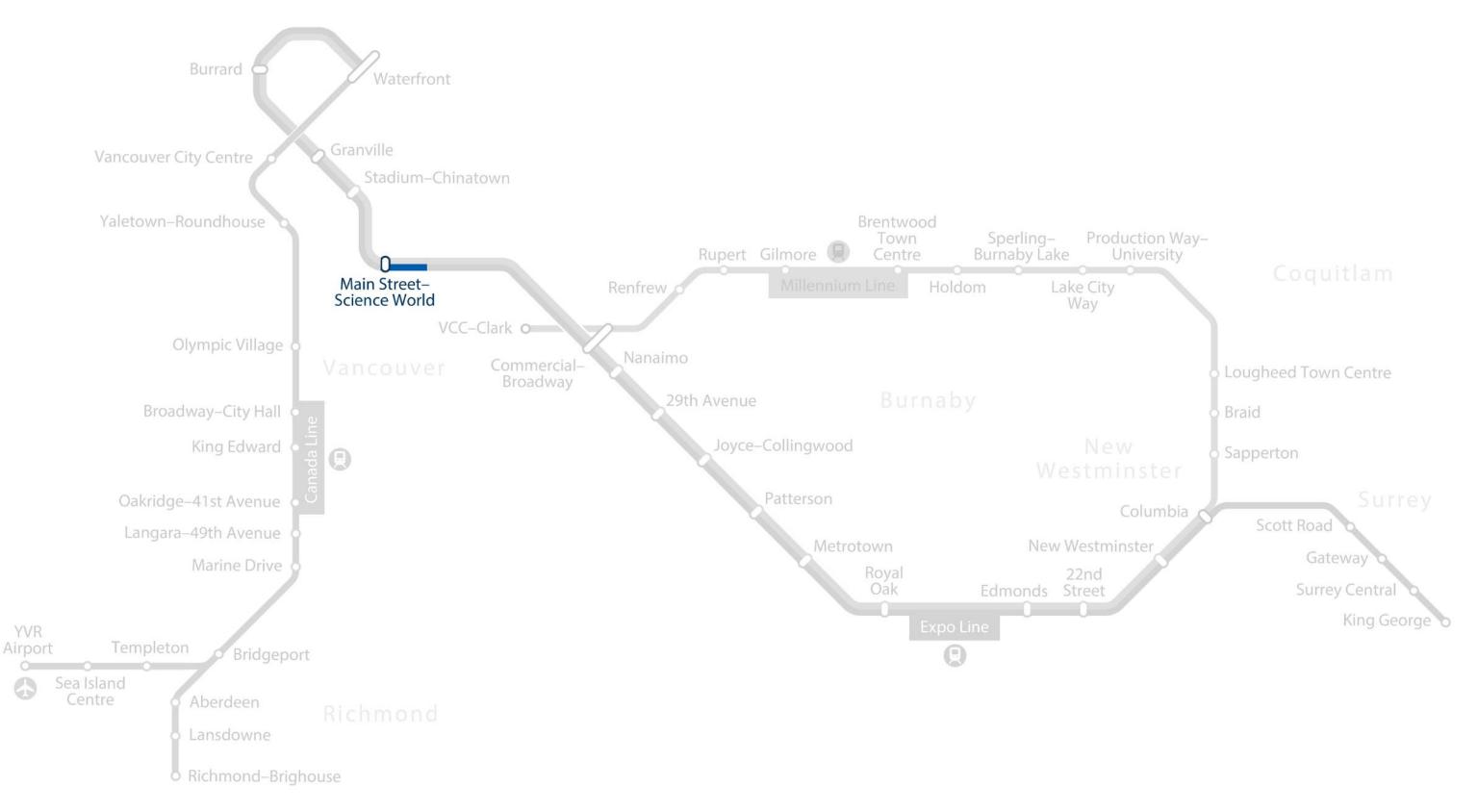


# Expo 86

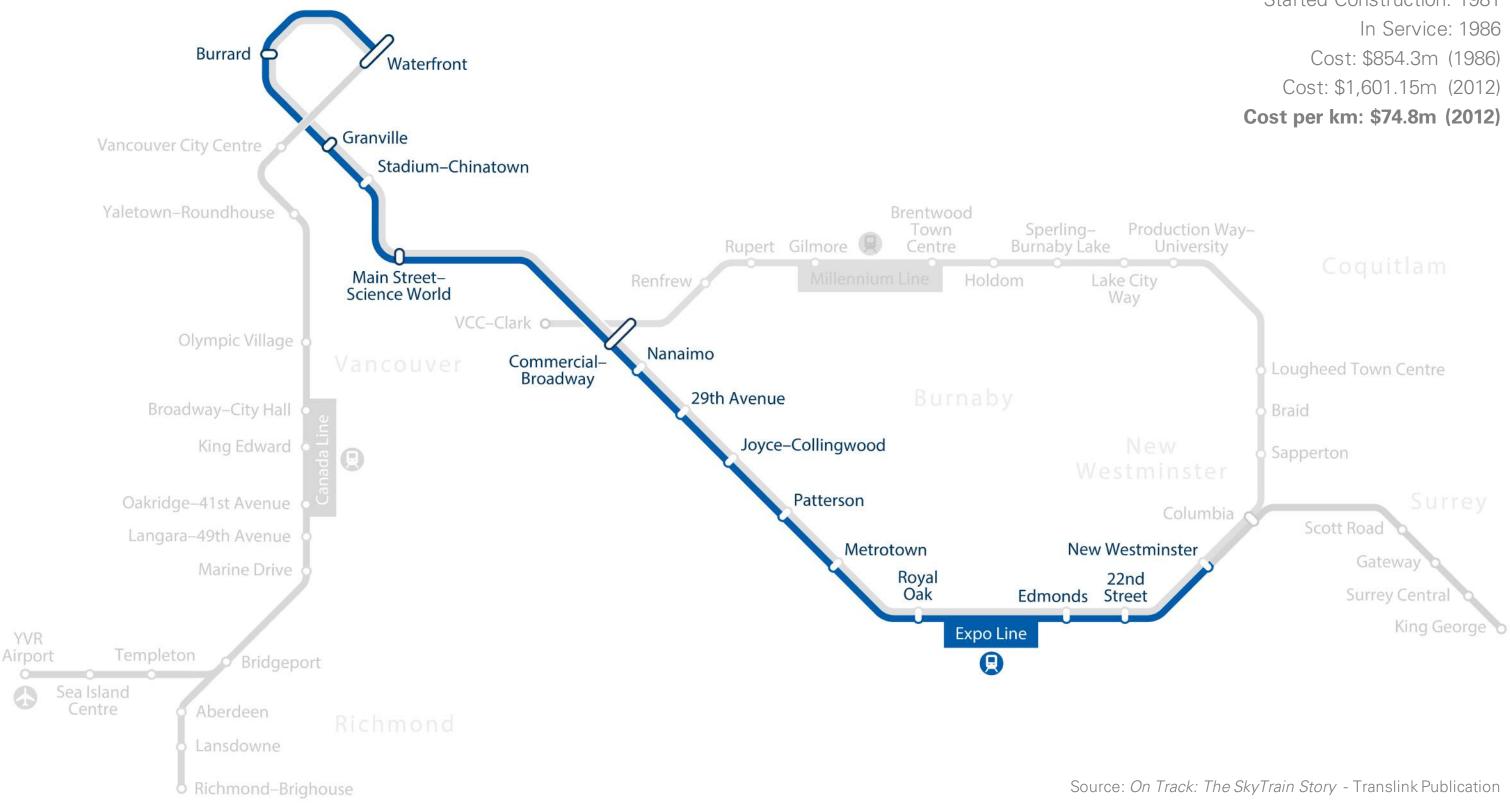
World Exposition on Transportation and Communication, 1986 Land, Air, Water



Demonstration Line, 1983

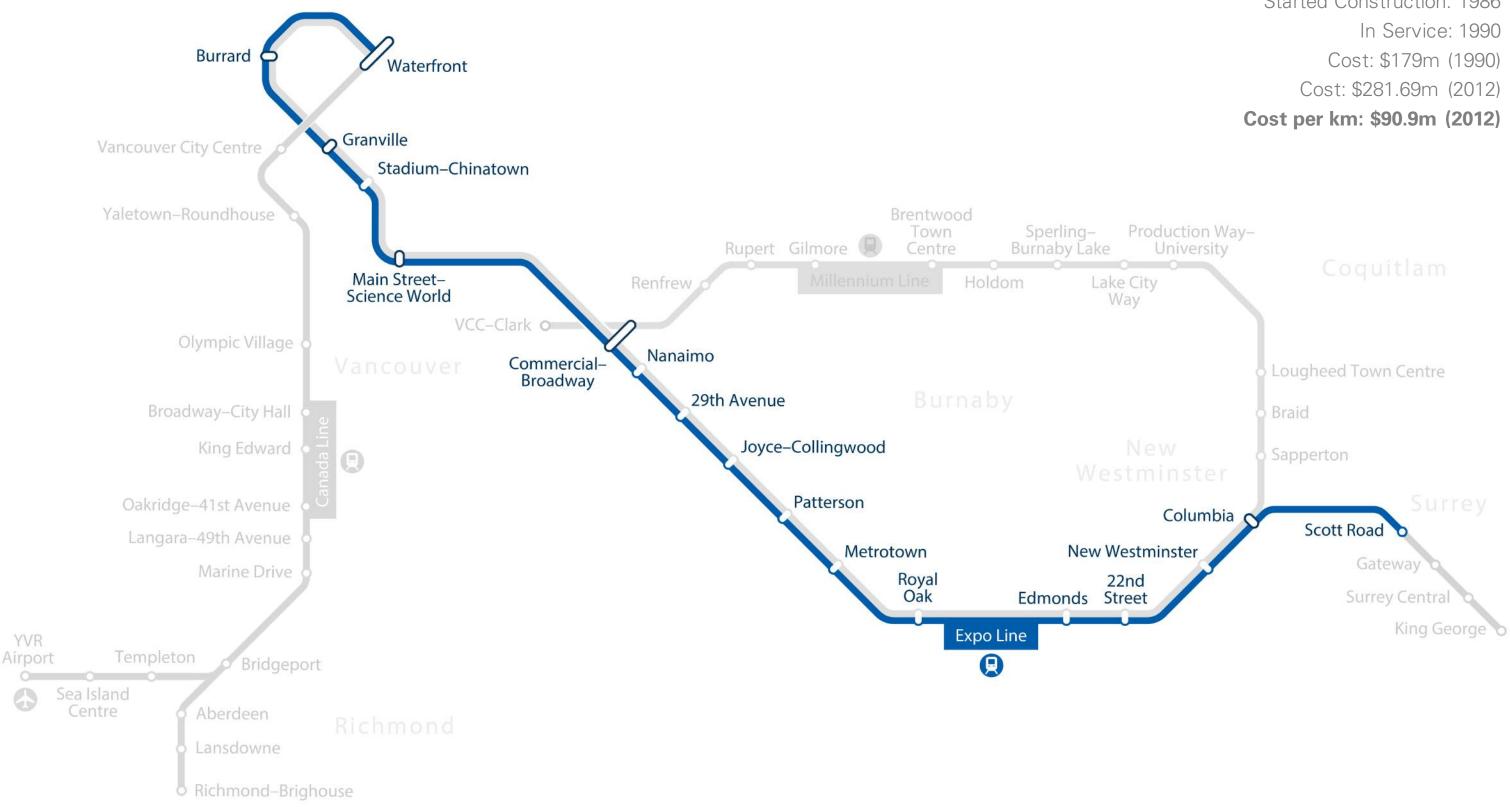


Phase I Original Expo Line, 1981 - 1986



Length: 21.4km Started Construction: 1981

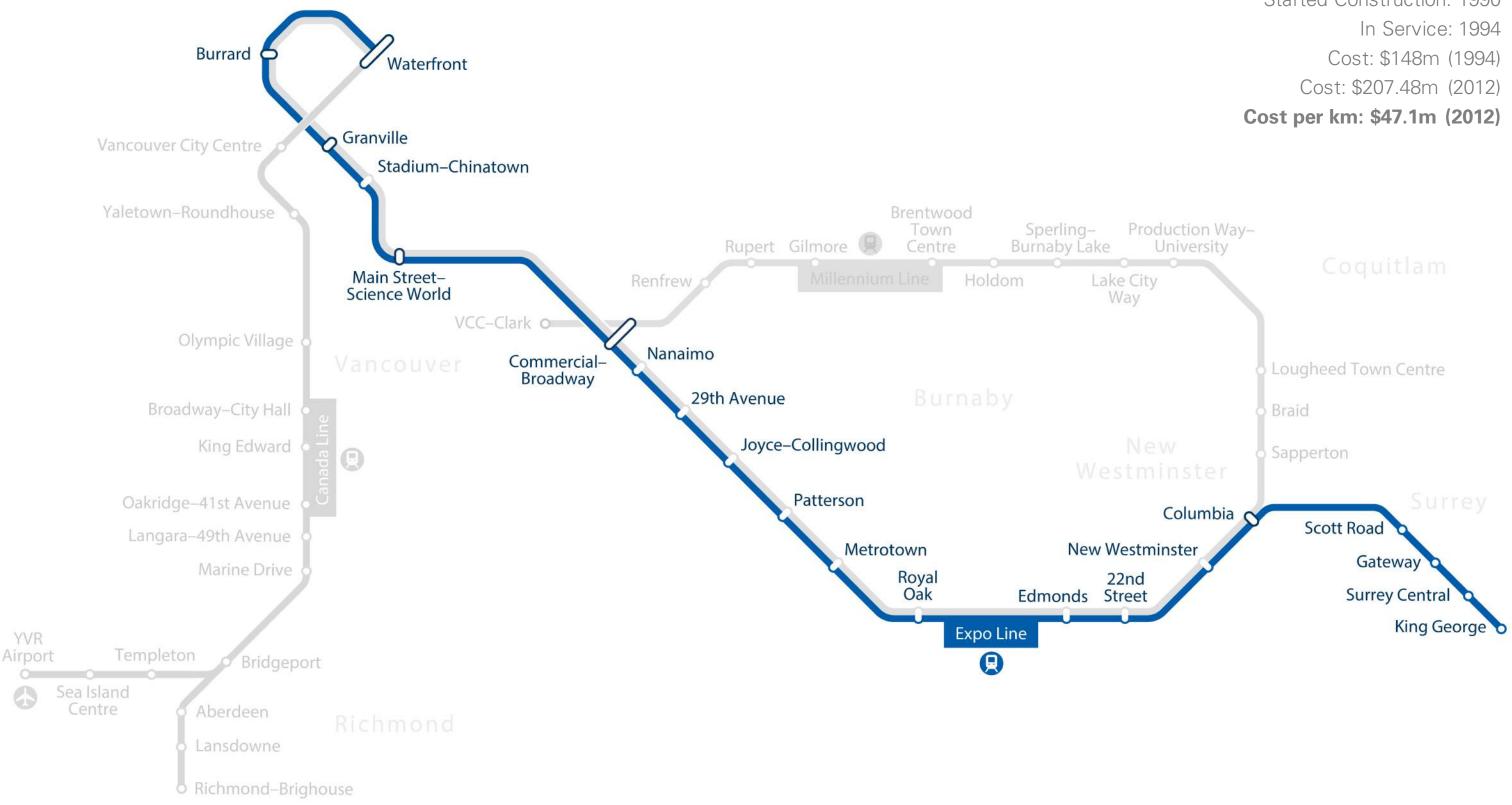
Phase II Columbia to Scott Road, 1986 - 1990



0

Length: 3.1km Started Construction: 1986

Phase III Scott Road to King George, 1990 - 1994



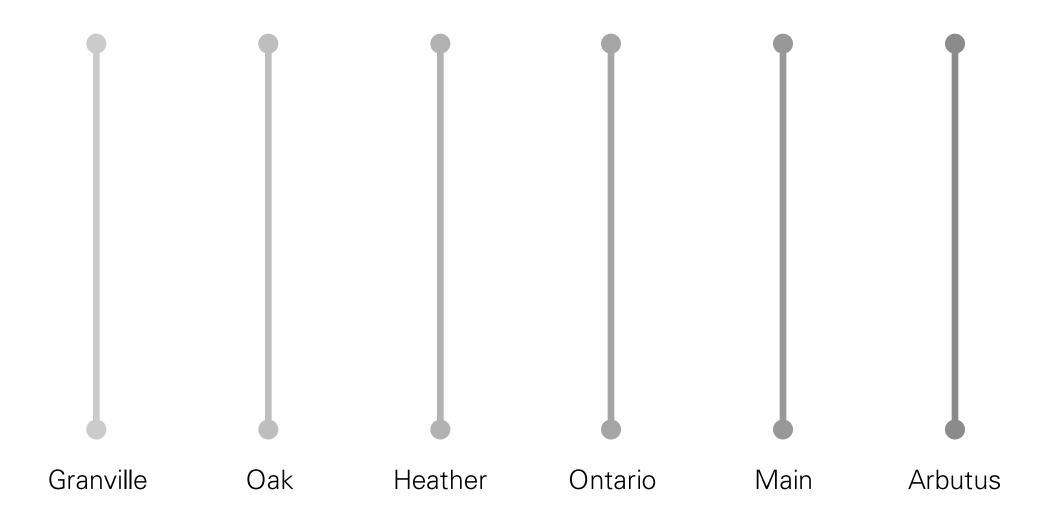
0=

0

Length: 4.4km Started Construction: 1990

### Richmond – Vancouver Connection

Route Options, 1989 - 1993

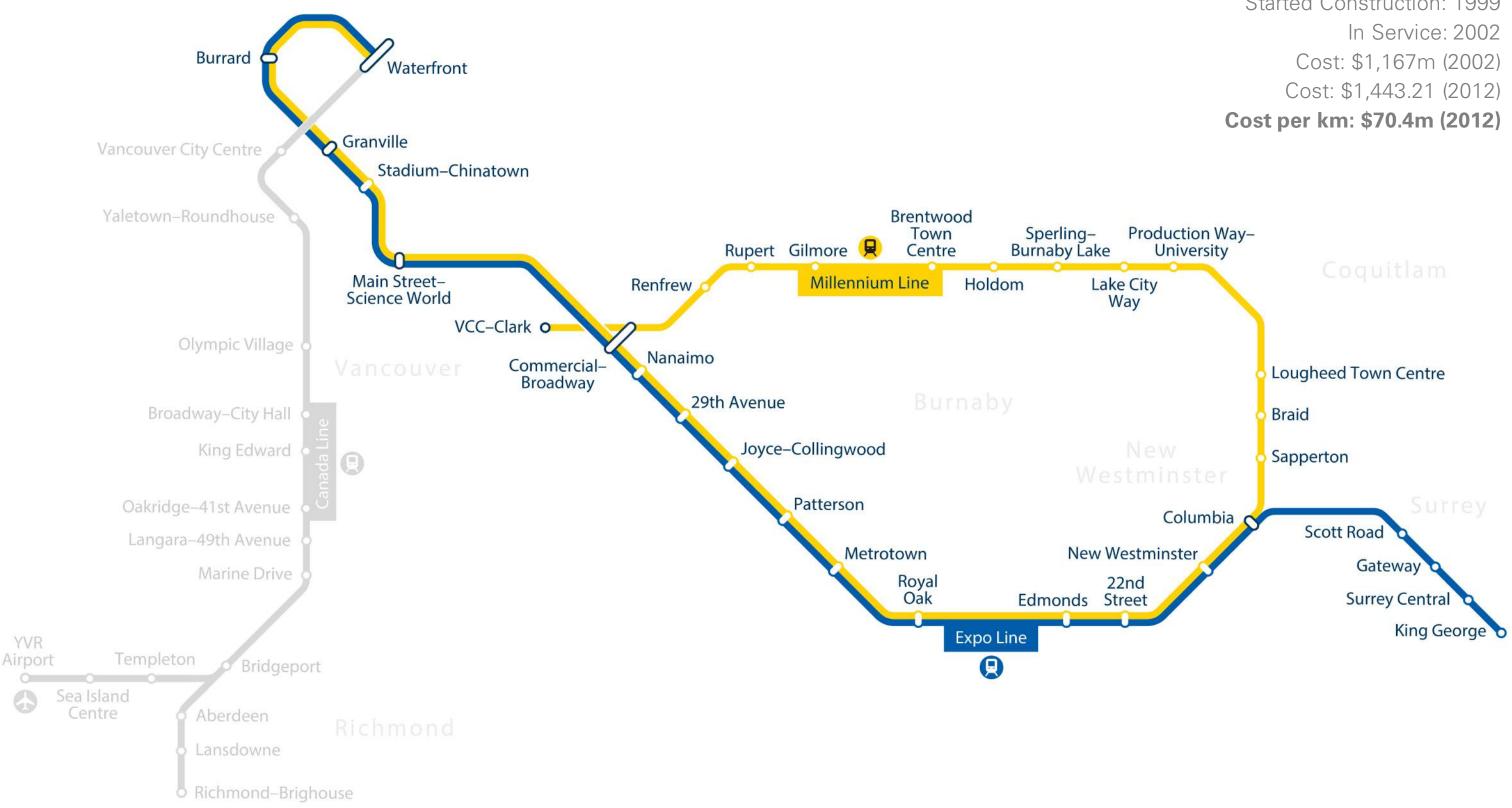






### Millennium Line

Phase IV/V, 1999 - 2002



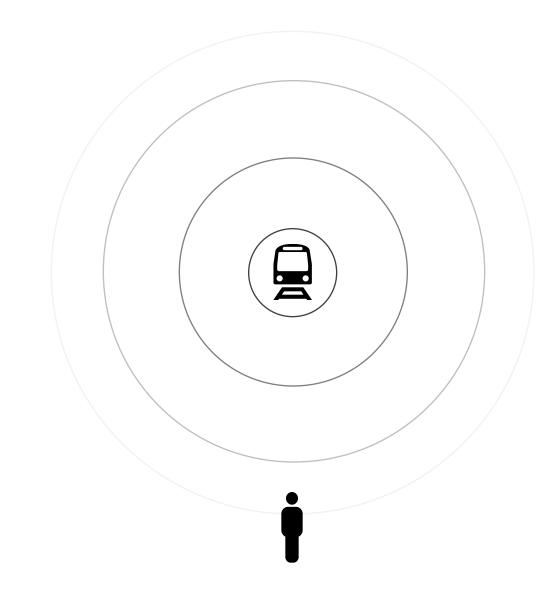
0=

0

Length: 20.5km Started Construction: 1999

# Urban Density

1991 – 2001

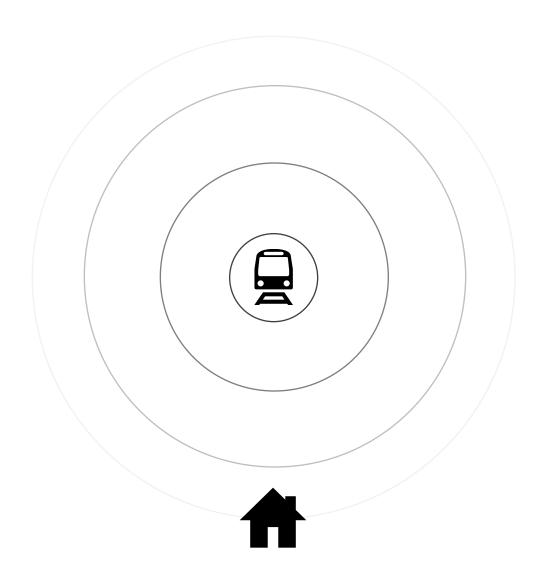


Population living within 500m of SkyTrain, increased by 37% 400K to 1.3M people

Source: *Making the Connection to a World of Choice*". TransLink.

# Lougheed Town Centre

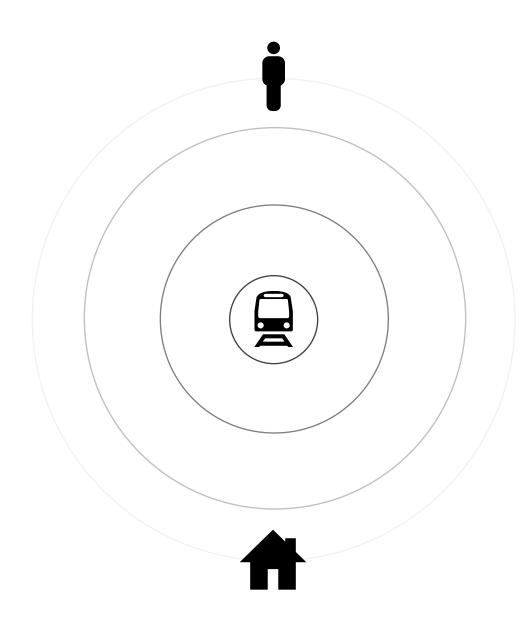
2000 - 2002 - 2005



Property values decreased during construction Effect disappeared upon opening and after 3 years of operation Returned back to variables such as floor space Proximity to schools no longer a factor

# Demographics Shift

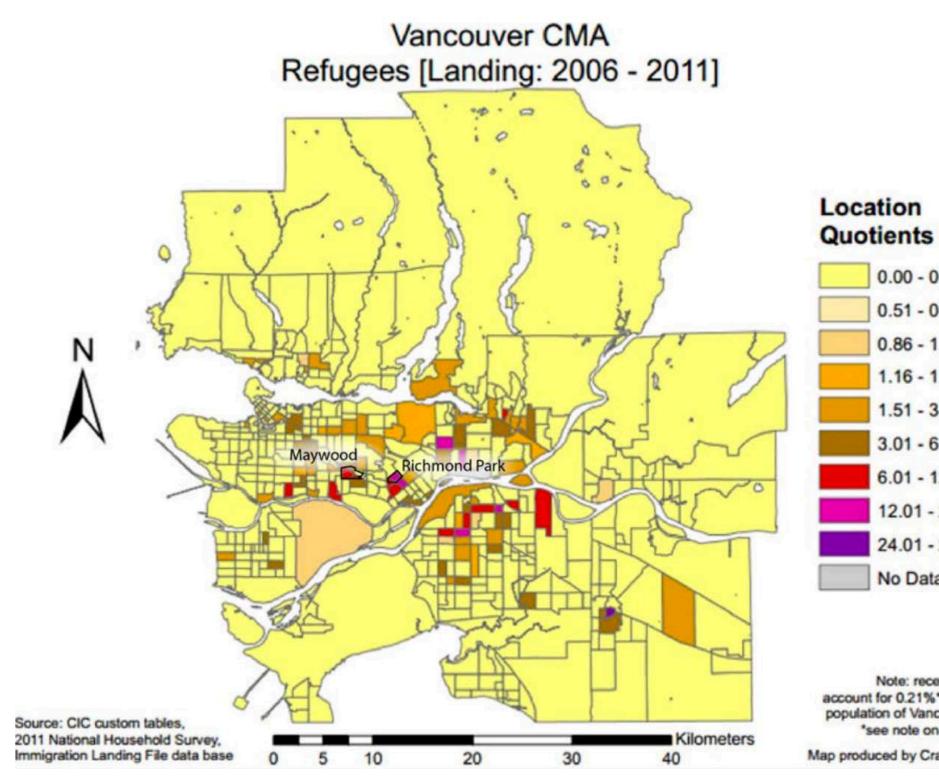
1981 – 2006 Census



Neighbourhoods near stations have become physically denser, wealthier and more educated compared to Vancouver as a whole

# Demographics Shift

Low Income Housing



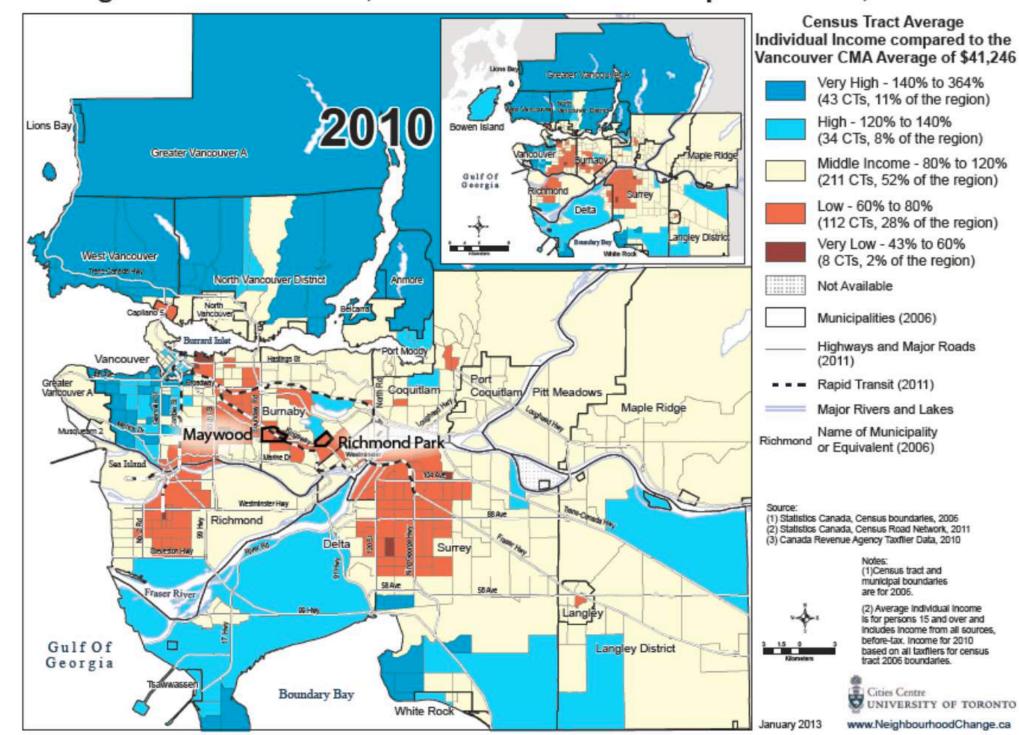
- 0.00 0.50 0.51 - 0.85 0.86 - 1.15 1.16 - 1.50 1.51 - 3.00
- 3.01 6.00
- 6.01 12.00
- 12.01 24.00
- 24.01 28.25
- No Data

Note: recent refugees account for 0.21%\* of the total population of Vancouver CMA \*see note on linked data

Map produced by Craig E. Jones

# Demographics Shift

Low Income Housing



#### Average Individual Income, Vancouver Census Metropolitan Area, 2010

Middle Income - 80% to 120%

(2) Average individual income is for persons 15 and over and includes income from all sources. before-tax. Income for 2010 based on all taxfilers for census

UNIVERSITY OF TORONTO

www.NeighbourhoodChange.ca



Ron Love



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