

# TransLink/Transit Project Update

February 2016

# Agenda

- Surrey Rapid Transit
- Broadway Line
- Pattullo Replacement
- Potential federal funding request
- Provincial strategic considerations
- Agenda for meeting with MLH and MGR

# Surrey Rapid Transit – Due Diligence High Level Findings

- ***L-Line***

- LRT preferred<sup>s.13</sup>

- <sup>s.17</sup>

- Qualitative benefits include land use and urban form, supports Surrey's OCP

- ***Fraser Highway Line***

- <sup>s.17</sup>

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# Surrey Rapid Transit – Due Diligence Next Steps

- ***Key decisions***
  - Preferred technology, funding strategy
  - Secure funding sources
  - 2016 Federal budget (determine federal funding source)
- ***Technical and Financial***
  - Finalize design for all options (and refine cost estimates based on final design)
  - For L-Line/LRT - traffic management review

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# Broadway Line – Due Diligence

- 2015 Cost Estimate <sup>s.17</sup>
  - <sup>s.17</sup>
- Regional contribution
  - City owned land
  - Land value capture component
- Benefit Cost
  - 2012 UBC Line Study <sup>s.17</sup> (VCC to UBC)
  - Update June 2016
- Business Case
  - <sup>s.12,s.13,s.16,s.17</sup>
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# Pattullo Replacement: Key Points

## OPTIONS

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- TransLink planning on submitting a business case for 4 lane tolled bridge to PPP Canada by March 31.



# Potential Federal Funding Request

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## Notes:

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# Discussion

- **Provincial Considerations**

- Surrey technology decisions / communication
- Position on Pattullo – <sup>s.13</sup>
- Strategy/priorities for federal funding request (Surrey 27kms, Broadway, Pattullo)

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- **Agenda for meeting with Mayors Hepner and Robertson**

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# Additional slides for reference

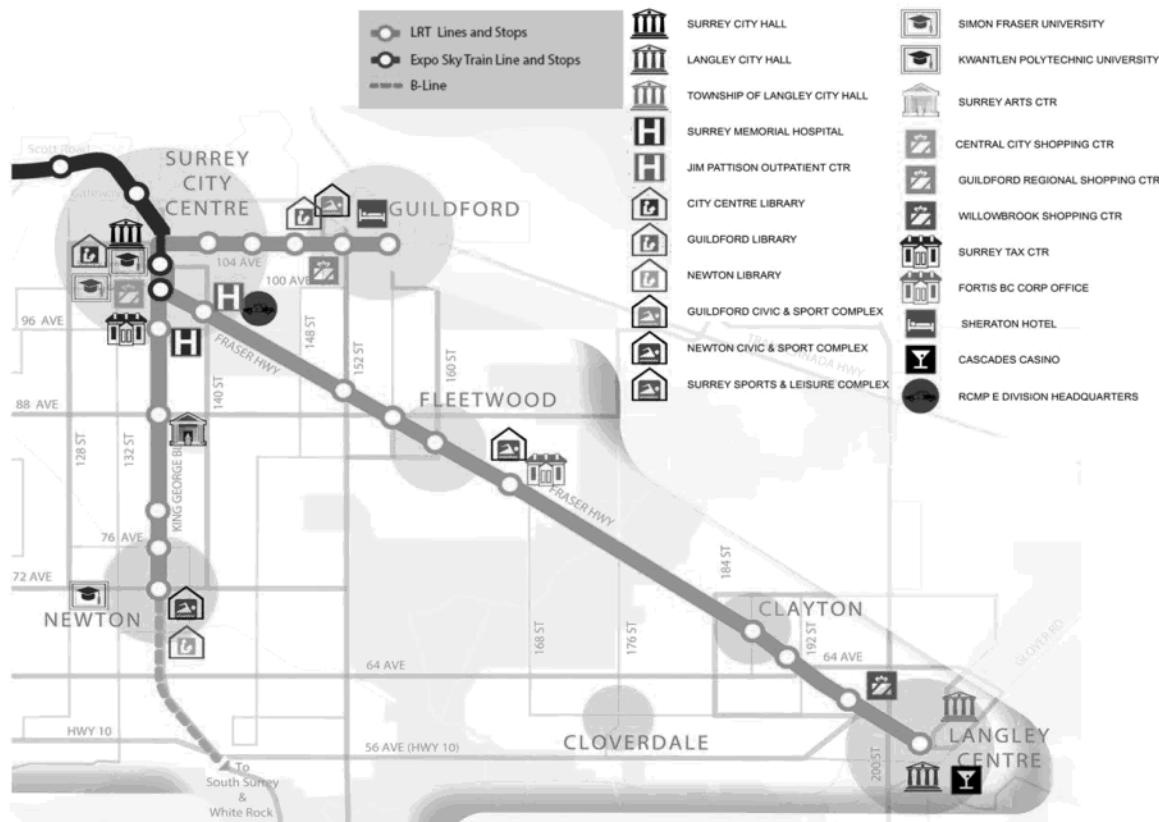
# Comparisons to other Canadian Projects

LRT Project	Length	Daily Ridership	Capital Cost	B/C Ratio (Conventional)
Ottawa - Confederation Line	12.5	140,000	\$2.1B	2.0 / (2.0)
Toronto - Eglinton Crosstown	19.0	288,000	\$5.3B	0.80 (0.37)
Mississauga – Hurontario LRT	23.0	96,000	\$1.2B	1.14 (0.80)
Surrey – L Line	10.8	s.13,s.17		
Surrey – Fraser LRT	16.0			

SkyTrain Project	Length	Daily Ridership	Capital Cost	B/C Ratio (Conventional)
Canada Line	19.2	112,000	\$1.6B	1.70 (1.70)
Evergreen Line	11.0	70,000	\$1.4B	1.23 (1.23)
Surrey – Fraser SkyTrain	16.0	s.13,s.17		

# Surrey Rapid Transit Strategic Options Update

# Background: Mayor's Vision



*Station locations are indicative and subject to change*

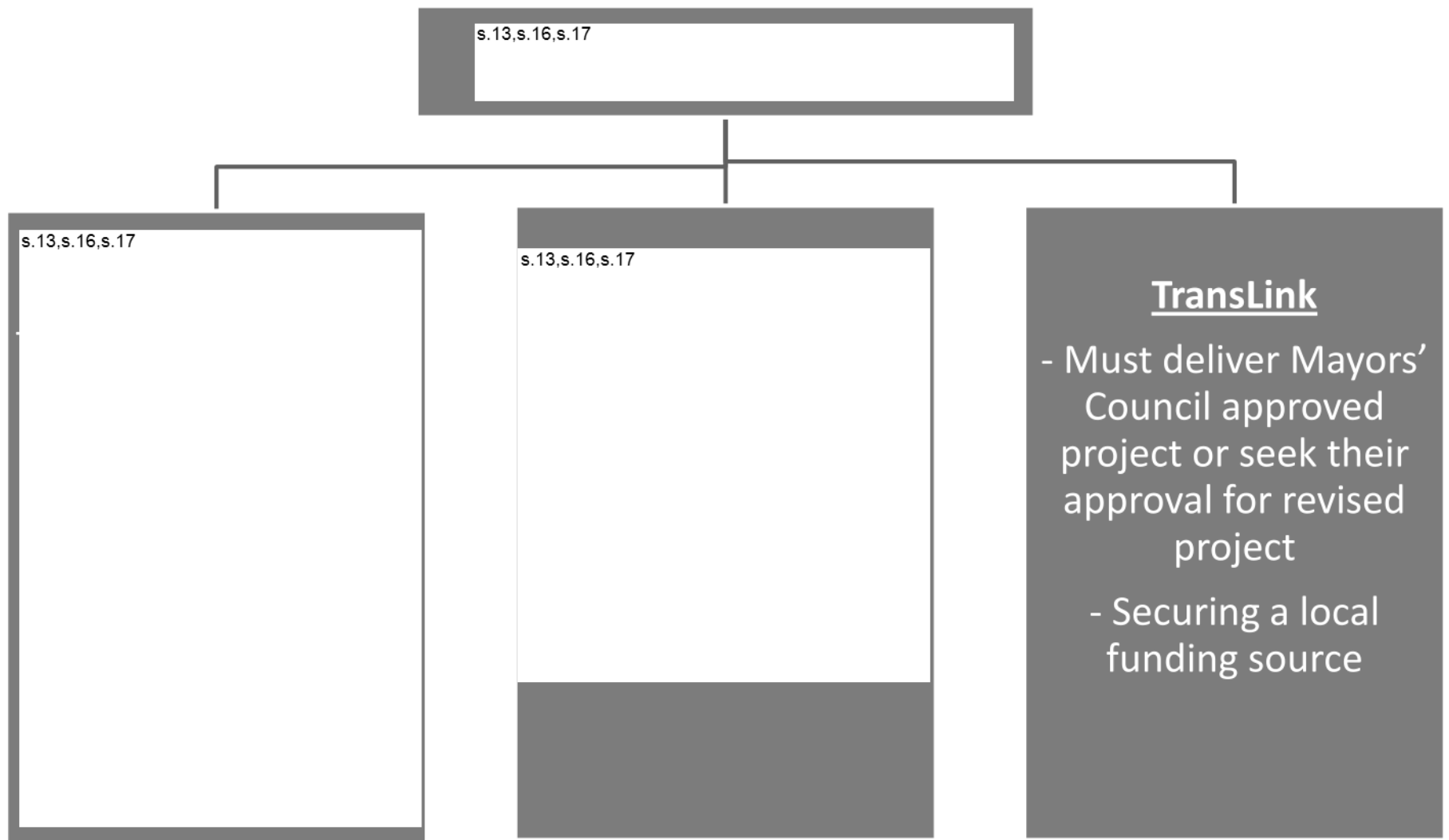
## “Newton-Guildford (L) Line”

- Approx: 10 km
- 104 Ave and King George Blvd via Surrey City Centre
- 13 vehicles
- Mayor’s Vision: line in service – first 7 yrs of Vision

## “Surrey-Langley Line (FH)”

- Approx: 16 km
- Surrey City Centre to Langley Centre along Fraser Highway
- 17 vehicles
- Mayors Vision: Design and Construction by year 8, in service within 12 yrs

# Strategic Approach



# Benefit Cost Ratios

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# Qualitative Considerations

- Land Use and Urban Form
  - City of Surrey preference for LRT
    - Rapid transit a priority in Surrey OCP; LRT offers maximum “coverage” for cost
    - Capacity to address growth (300,000 new residents and 150,000 new jobs over next 30 years)
    - Maximize connections between destinations
    - Attracts investment and supports planned development
    - Shapes growth to create compact, walkable communities and integrates transit at street level
  - LRT supported in Mayor’s Council Vision

# Key considerations

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# Summary of Options

	L-Line (LRT)	FH (LRT)	FH (SkyTrain)
Benefit/Cost Ratios	s.13,s.17		
Travel Time (per Line)	23 min	28 min (KG-Langley)	20 min (KG-Langley)
Travel Time – Langley to Waterfront	n/a	72 min (including 4 minute transfer)	60 min
Daily Ridership 2045	s.13,s.17		
Ultimate capacity (passengers per direction per hour)			
Peak load demand 2045 (passengers per direction per hour)			

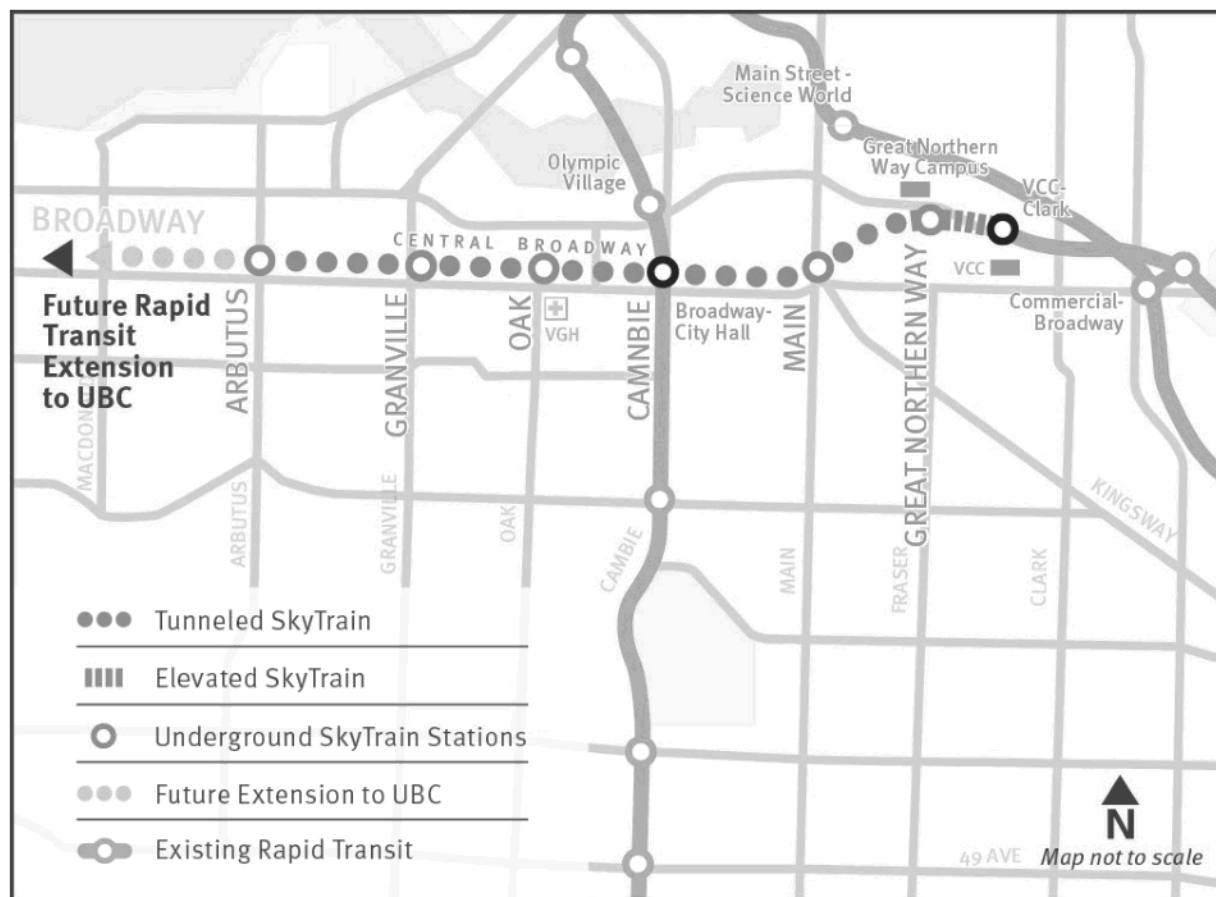
# Capital and O&M Cost Comparison

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# Broadway Rapid Transit Update

# Background: Mayor's Vision



## 10 Year Plan (Phase 1):

- Extend the Millennium Line from VCC-Clark SkyTrain Station to Arbutus Street
- Tunneled alignment beneath Broadway
- 7 km extension
- 6 stations
- Continued B-Line service from Arbutus to UBC

## 30 Year Plan (Phase 2):

- Continue rail extension from Arbutus to UBC

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Activity	Timeline
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# Pattullo Bridge Replacement Update

# Background: Mayor's Vision



- **Scope:**
  - New 4- lane bridge
  - Modern lane widths, better connections, centre barrier, cycling and pedestrian facilities
  - New bridge to be designed to not foreclose the possibility of future expansion to six lanes

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# Strategic Issues

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