



# Facts on Rapid Transit Expansion and Funding in the GTHA

[www.CodeRedTO.com](http://www.CodeRedTO.com)



# Welcome!

## Tonight's Goals:

- Share facts about transit challenges
- Share facts about new rapid transit
- Answer your questions and concerns

## We will not:

- Cover up negatives, ignore facts, or ignore \$

# Who is CodeRedTO?

- Toronto residents advocating for:
  - Transit expansion that helps the most people and happens faster
  - Honest, factual discussions of the positives and negatives
  - Increased, stable, predictable, funding to build and run better transit
- Stay informed!
  - [www.CodeRedTO.com](http://www.CodeRedTO.com)
  - @CodeRedTO on Twitter, CodeRedTO on Facebook
- All volunteer, and no conflicts of interest
- No control or “talking points” from any group or councillor
- Available to present facts for anyone who invites us

# Fairness for Everyone

1. Everyone gets to speak in turn
2. No heckling or shouting please
- 3. Metrolinx is here to share the facts about their research, not to debate different options.**
  - CodeRedTO members have opinions we will share
  - You get to make up your own mind!
4. Questions welcome during and after
  - Can also email questions and we will post answers to them on our website: [info@coderedTO.com](mailto:info@coderedTO.com)

# **OUR ELECTED REPRESENTATIVES**

**HOW DID WE GET HERE?**



**Bloor-Yonge Station every day**



7171

YONGE. NORTH FROM QUEEN  
NOTE LOADING AT 3-DOOR TRAILER

AUG 31/29

City of Toronto Archives, Series 71, s0071\_it7171

# 1929: Streetcar trains on Yonge St.



**HARRISON FOR CONTROLLER**

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Modern Transportation Means Greater Toronto.  
**H. C. HOCKEN**

**HOCKEN FOR MAYOR**

**TUBES FOR THE PEOPLE**

**VOTE FOR TUBES AND GET THE SEAT YOU PAY FOR**

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**GEARY FOR MAYOR**

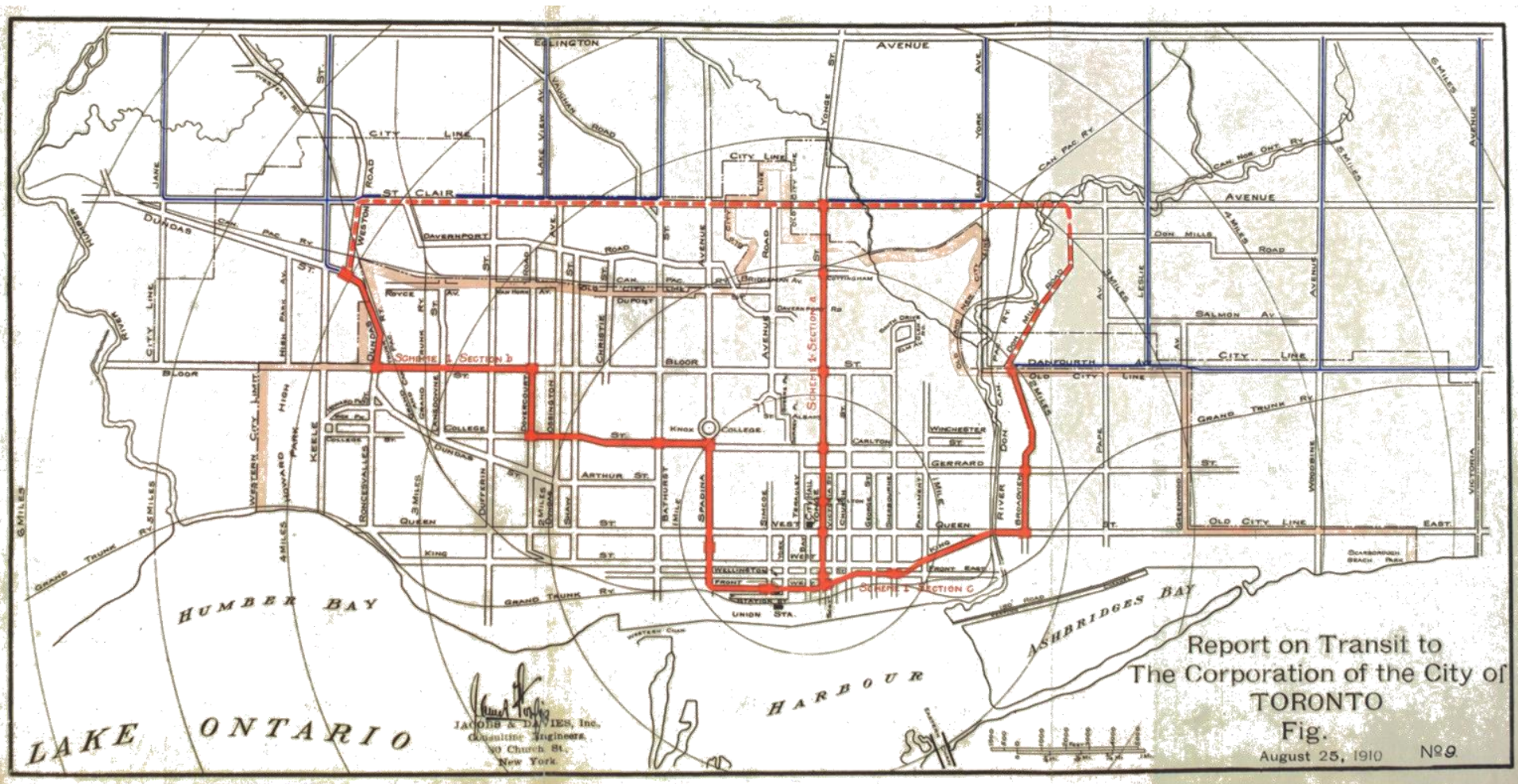
**GEARY FOR MAYOR**

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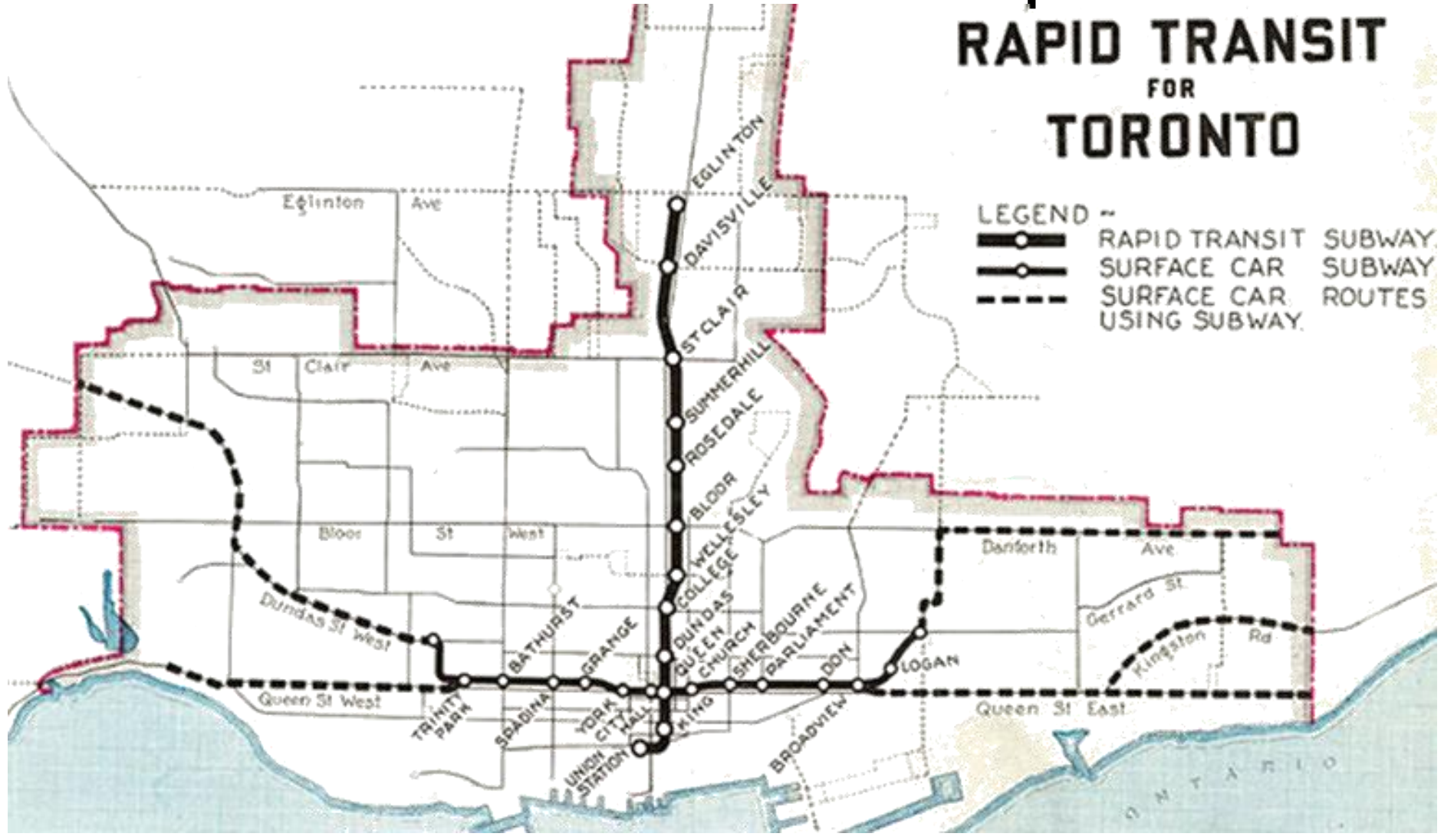
1910: Mayoral Election about Subways

# We have commitment problems

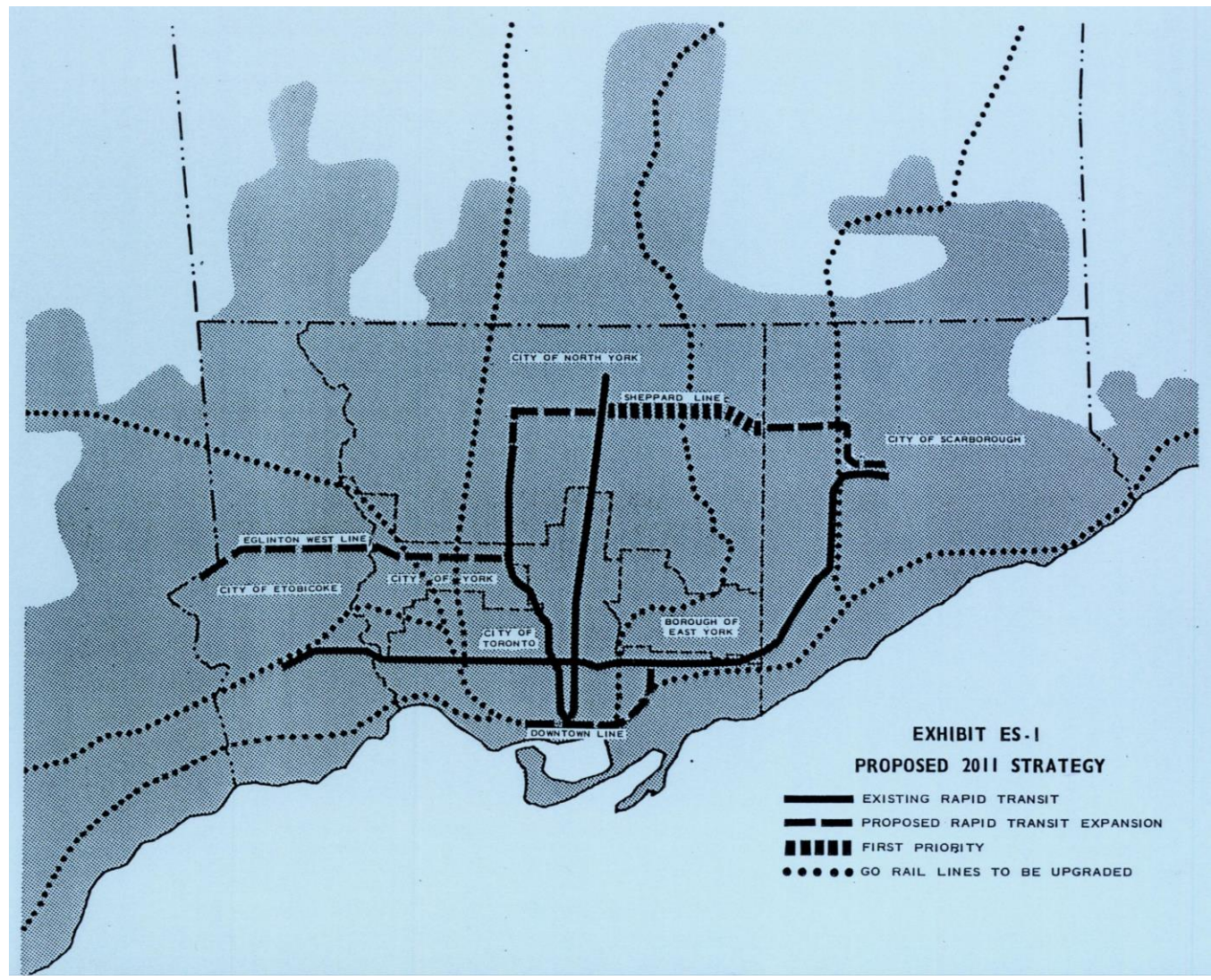


1910: Three Subways

# We have commitment problems



# We have commitment problems



# We have commitment problems



2007: Seven Light Rail lines

# We have commitment problems

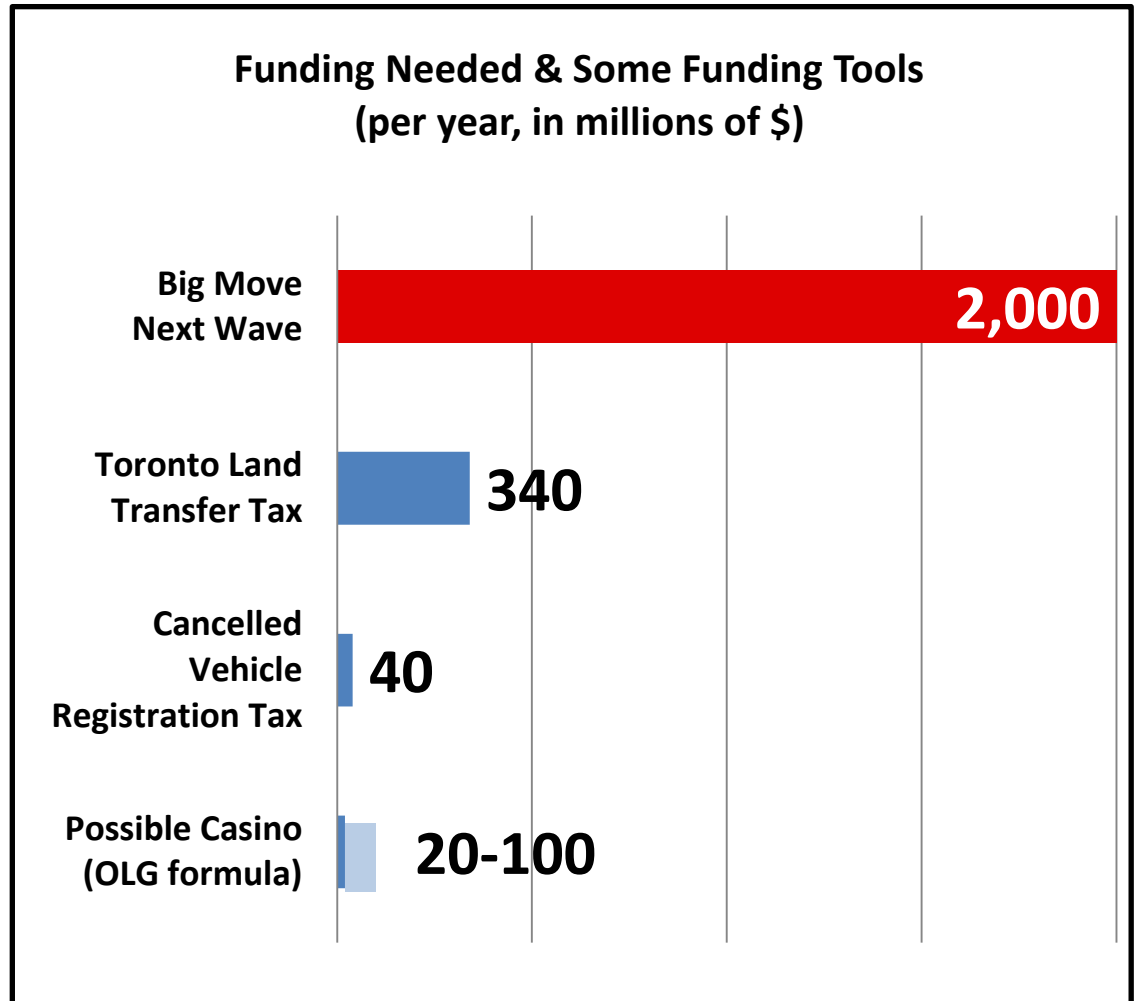
## Scarborough RT Replacement Options



# We have a funding problem

## Our funding is limited:

- Toronto's cancelled Vehicle Registration Tax raised about \$40M/year
- Toronto's Land Transfer Tax raised about \$340M in 2012
- Subways cost over \$355M/km to build



# So what do we do?

**Reduce future congestion by expanding transit...**

**...by creating predictable, stable, dedicated funding...**

**...that allows us stick to our plans, and stop waving in the wind.**

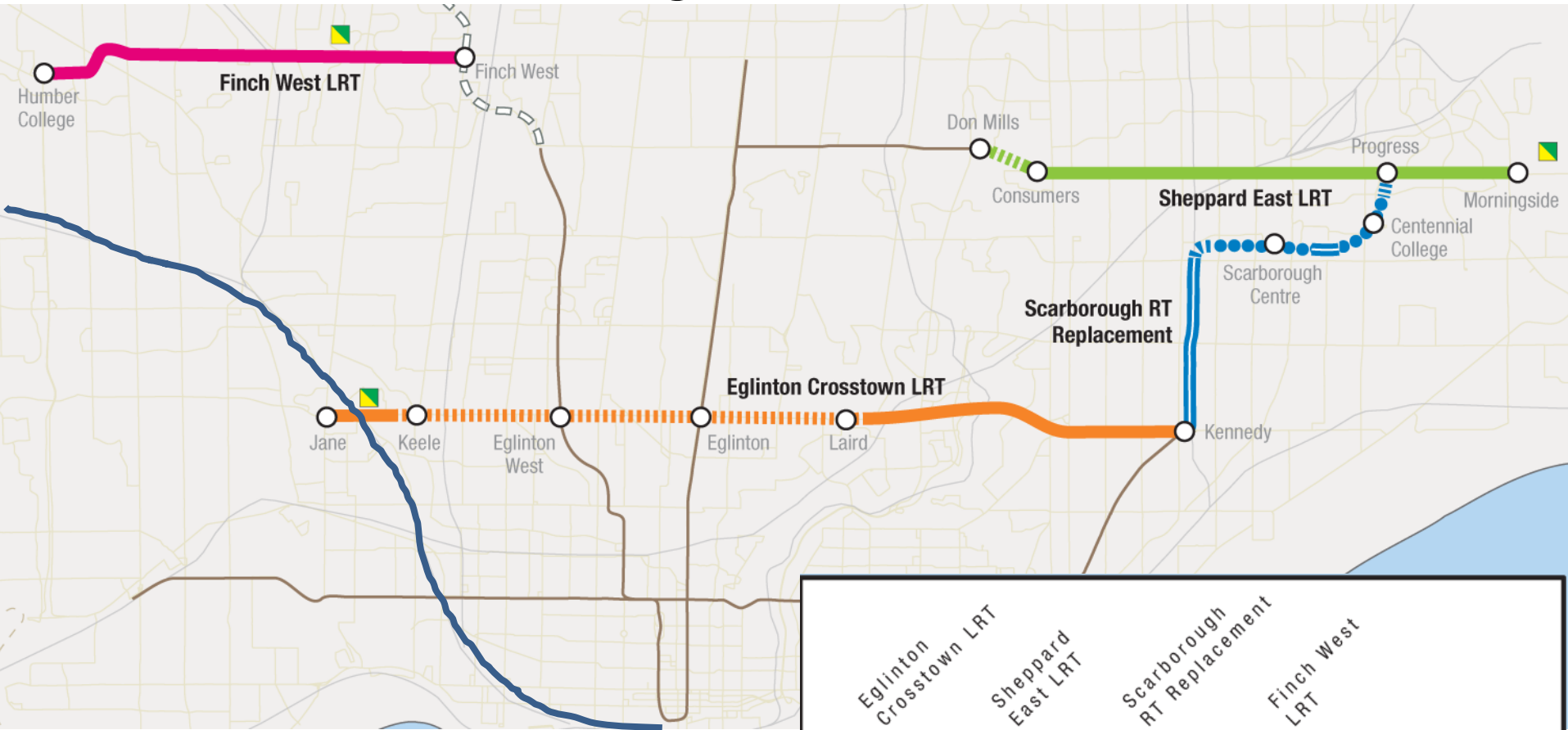
Ontario has 6 rapid transit lines in design/construction  
But we have **cancelled** 10 rapid transit lines since 1994

**What we are doing now isn't working.**  
**"Ignore it" is not an option.**

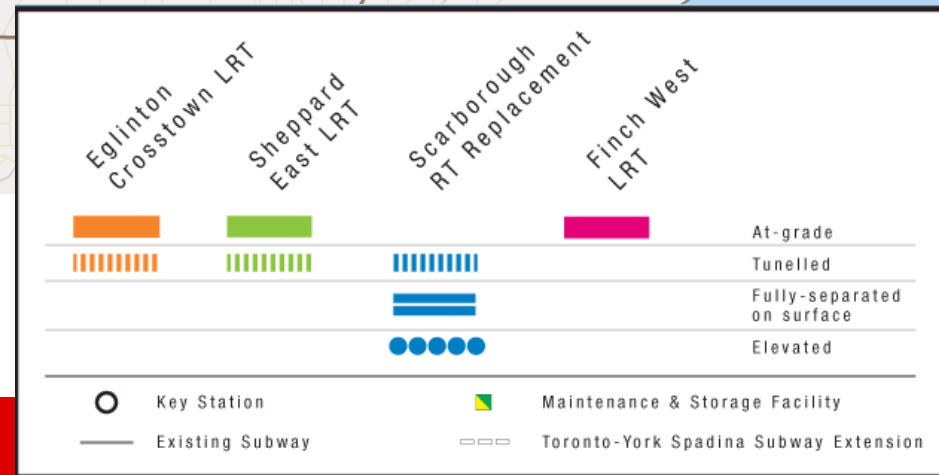


**WHAT IS BEING BUILT?**

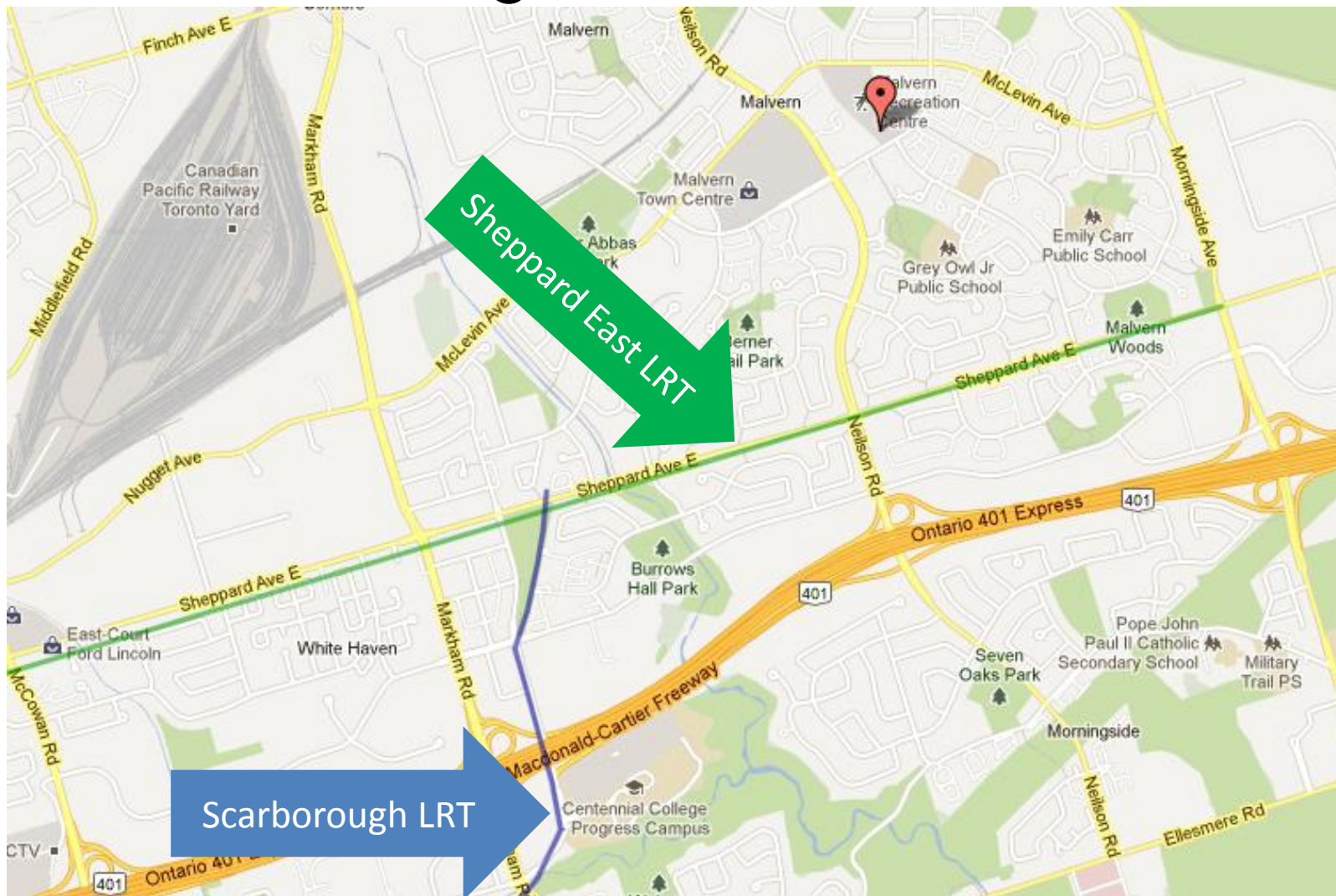
# What is being built in Toronto?



+ the UPEXpress rail line from Union Station to Pearson Airport



# What is being built near Malvern?



# When will it be built?

- Delays for budget reasons (provincial government) and for support reasons (Mayor) have delayed completion of all lines
- Original schedule from 2006 had Sheppard opening *this year*.

Line:	Cost:	Construction Dates:
Eglinton-Crosstown LRT	\$5.0B	2010-2020
Finch West LRT	\$0.94B	2015-2020
Scarborough old RT > LRT replacement and extension	\$1.8B	2015-2020
Sheppard East LRT	\$1.0B	2017-2021

# **VEHICLES, ROADS, AND LIGHT RAIL**

# What is “Light Rail” ?

- Light Rail Transit uses electric vehicles in their own exclusive lanes to provide speed and capacity that are much higher than buses and streetcars, but lower than subways
- Due to construction being mostly above-ground, LRT construction costs and timeframes are significantly lower than subways.



# Vehicle Comparison (2013 fleet)



**Bus:** 10 metres, 50 riders



**Streetcar:** 15 metres, 75 riders



**Scarborough RT:** 50 metres, 220 riders  
(must be shut down in 2015)



**Sheppard subway:** 100 metres, 667 riders



**YUS / BD subway:** 150 m, 1000-1100 riders

# Vehicle Comparison (2020 fleet)



**Bus:** 10 metres, 50 riders



**Low-floor streetcar:** 30 metres, 130-250 riders



**3-vehicle LRT trains:** 90 metres, 390-750 riders



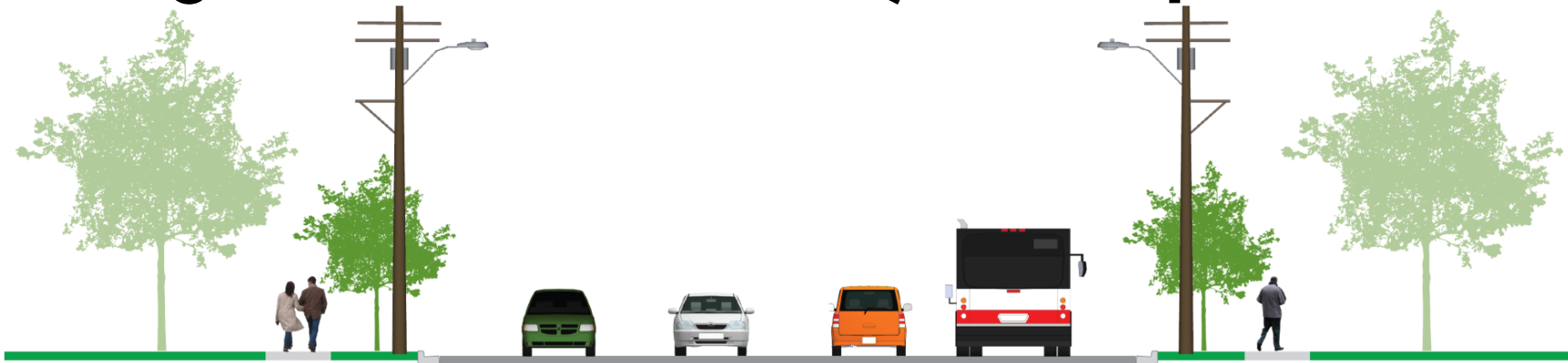
**Sheppard subway:** 100 metres, 667 riders



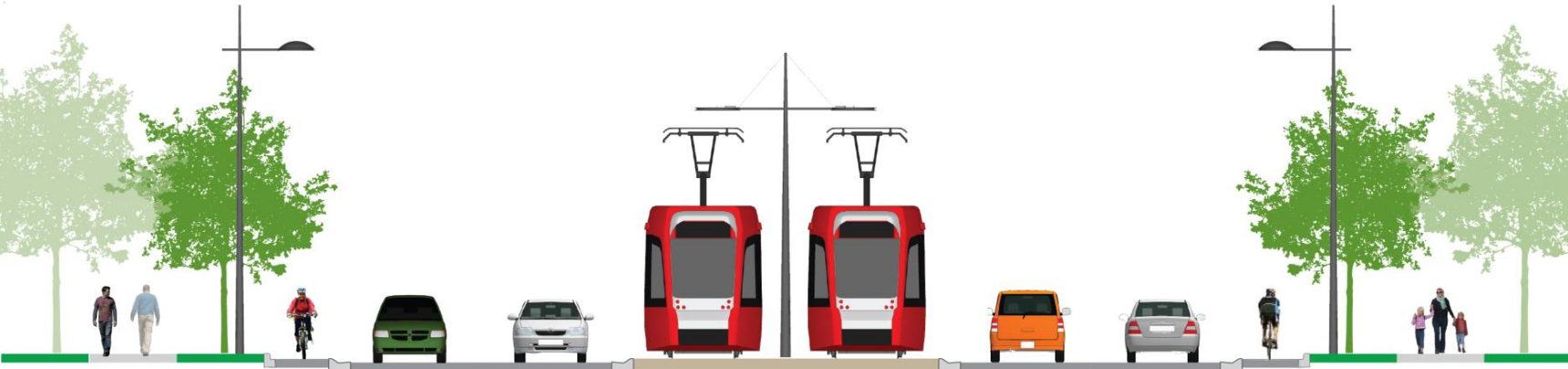
**YUS / BD subway:** 150 m, 1000-1100 riders



# Light Rail Roadway Comparison



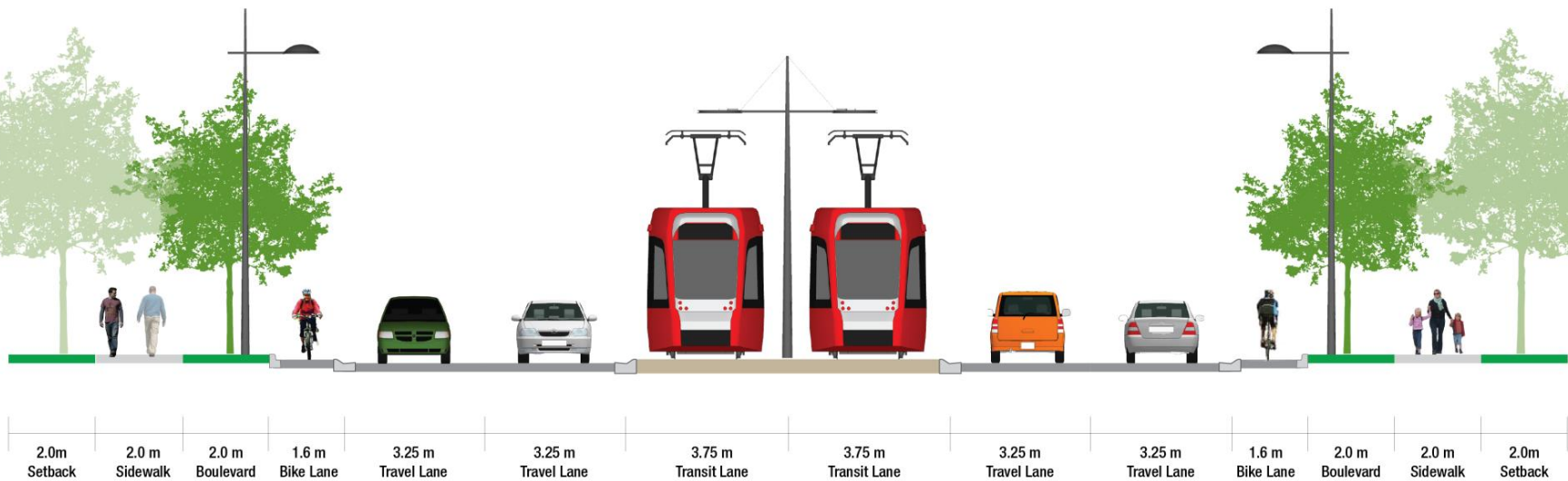
Typical Sheppard Avenue road width (36m)



2.0m	2.0 m	2.0 m	1.6 m	3.25 m	3.25 m	3.75 m	3.75 m	3.25 m	3.25 m	1.6 m	2.0 m	2.0 m	2.0m
Setback	Sidewalk	Boulevard	Bike Lane	Travel Lane	Travel Lane	Transit Lane	Transit Lane	Travel Lane	Travel Lane	Bike Lane	Boulevard	Sidewalk	Setback

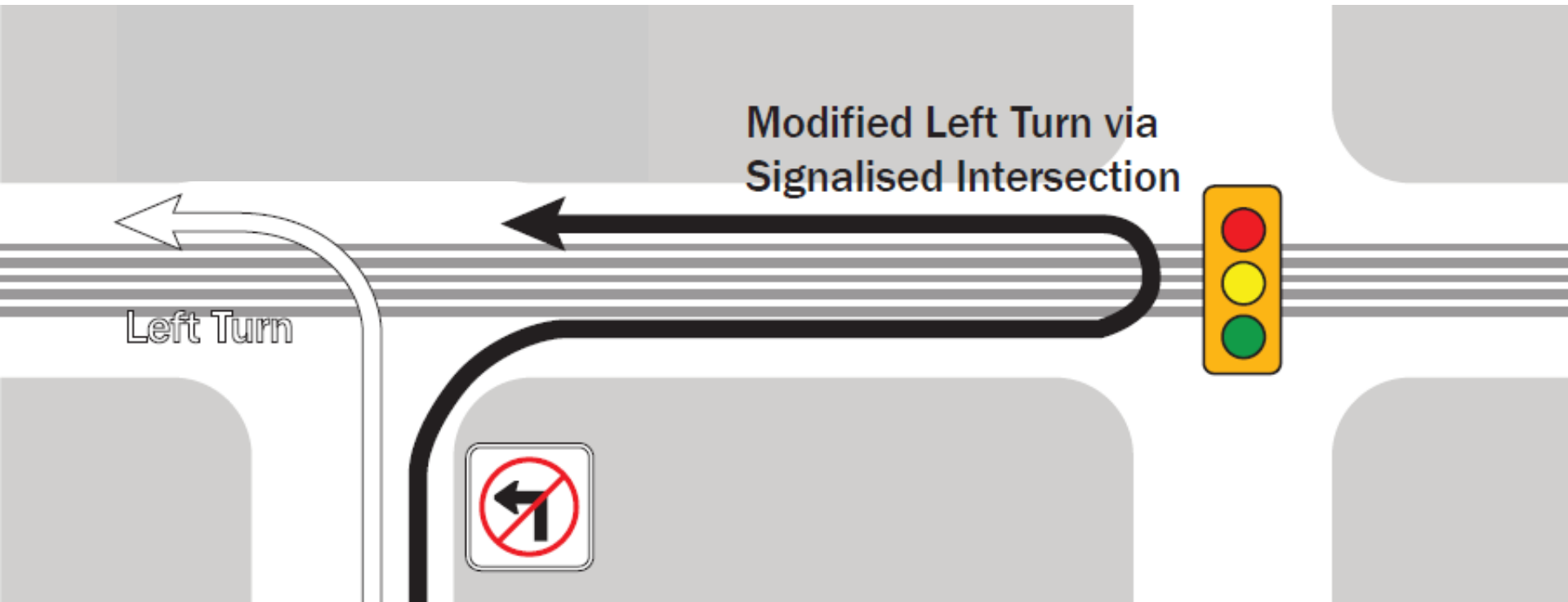
# Light Rail Roadway Notes

- LRT travels in its own lane, not in front of or behind cars
- LRT crosses traffic at intersections with stoplights, but has sensors to get traffic light priority so it rarely stops at a red
- Finch, Eglinton, and Sheppard keeping 4 lanes for mixed traffic



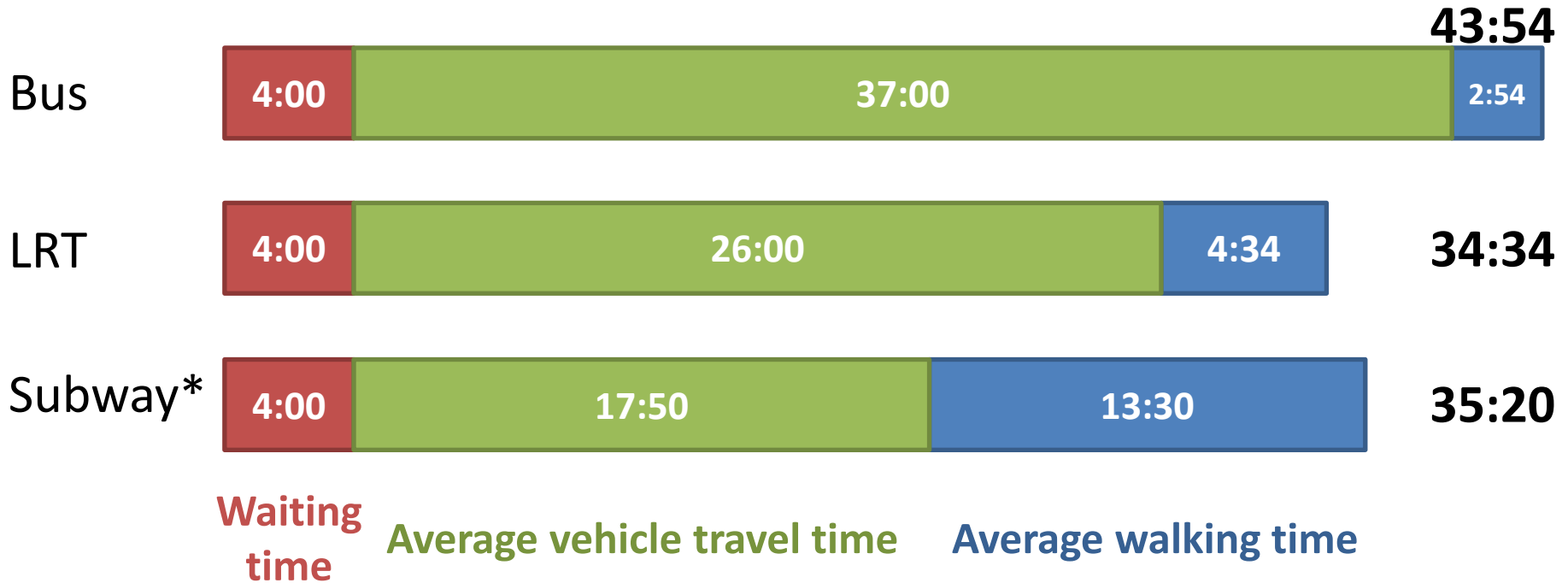
# How will I turn left?

- If no traffic light, you must turn right, then U-turn.
- There are 55 connecting streets on Sheppard, but only 15 require this U-turn.



# Sheppard Travel Time Example

From Neilson & Sheppard to Don Mills & Sheppard (rush hour)



*\* Note: no subway plan has ever included the Malvern area. This is shown for comparison purposes only.*

# Overall Sheppard Travel Time

From Neilson & Sheppard to Don Mills & Sheppard (rush hour)

<u>Mode:</u>	<u>In Vehicle:</u>	<u>Stop spacing:</u>	<u>Avg walk:</u>
85 Sheppard bus	37 mins	290 m	2:54
Sheppard LRT	~26 mins	458 m	4:34
Subway	~18 mins	1.36 km	13:30

- Sheppard LRT estimated based on current plan (Environmental Assessment)
- “Avg walk” =  $\frac{1}{2}$  average stop spacing x 1.2 metres per second walking speed

# Future Rapid Transit Costs

**Other potential rapid transit expansion projects, with most recent cost estimates:**

- Downtown Commuter Relief Line subway (\$7.4B)
- Yonge subway extension to Richmond Hill (\$3.4B)
- Eglinton Crosstown LRT extension to Pearson airport (\$1B)
- Finch West LRT extension to Yonge (\$0.5B)
- Don Mills LRT (\$1.8B)
- Jane LRT (\$1.5B)
- Scarborough-Malvern LRT (\$1.4B)
- Waterfront LRT (west) (\$0.5B)

**Note: no money has been found yet for any of these projects.**

# INVESTING IN OUR FUTURE

(posted at [www.coderedTO.com](http://www.coderedTO.com))



# QUESTIONS & ANSWERS



# Have Your Say!

## Learn more:

- [www.bigmove.ca](http://www.bigmove.ca)
- [www.feelingcongested.ca](http://www.feelingcongested.ca)
- [www.metrolinx.ca](http://www.metrolinx.ca)



**Tell friends, family, and politicians**  
what's at stake & which you support

- |   |   |
|---|---|
| <input type="checkbox"/> Fuel Tax<br>(\$330M/year)                              | <input type="checkbox"/> Transit fare increase<br>(15¢ rise = \$50M/year) |
| <input type="checkbox"/> Highway Tolls<br>(\$1.4B/year)                         | <input type="checkbox"/> Development Charges<br>(15% rise = \$100M/year)  |
| <input type="checkbox"/> Property tax increase<br>(\$670M for 5% rise)          | <input type="checkbox"/> Payroll tax<br>(0.5% tax = \$700M/year)          |
| <input type="checkbox"/> Parking space levy<br>(\$1/space/day =<br>\$1.4B/year) | <input type="checkbox"/> Sales tax<br>(1% = \$1.4B/year)                  |

*\* Figures are estimates for comparison purposes*

**Your City Councillor:** Call 311 or look up their email and phone number here: [www.toronto.ca/wards](http://www.toronto.ca/wards)

**Your MPP:** Call 416-325-7500 or look up their email at [www.ontla.on.ca](http://www.ontla.on.ca)

**Ontario Premier:** Call 416-325-1941 or send email at [www.premier.gov.on.ca](http://www.premier.gov.on.ca)

**Your MP:** Call 1-866-599-4999 or look up their email at [www.parl.gc.ca](http://www.parl.gc.ca)

**Prime Minister:** Send email at [www.pm.gc.ca](http://www.pm.gc.ca)

**Your transit riders association:** [www.ttcriders.ca](http://www.ttcriders.ca)



# Thank you!

**More questions?**

[www.metrolinx.ca](http://www.metrolinx.ca)

[www.coderedTO.com](http://www.coderedTO.com)

# Resources

St. Clair project review: <http://stevemunro.ca/?p=3191>

[www.ttc.ca](http://www.ttc.ca), <http://lrv.ttc.ca>, <http://spadina.ttc.ca>, [www.feelingcongested.ca](http://www.feelingcongested.ca)  
[www.metrolinx.ca](http://www.metrolinx.ca), [www.thecrosstown.ca](http://www.thecrosstown.ca), [www.bigmove.ca](http://www.bigmove.ca)

<http://www.urbanrail.net>, <http://lrt.daxack.ca>, <http://transit.toronto.on.ca>

Sheppard Expert Advisory Panel Report (March 2012):  
<http://www.toronto.ca/legdocs/mmis/2012/cc/bgrd/backgroundfile-45908.pdf>

## Environmental Assessments and Documentation

Eglinton-Crosstown LRT: [http://www.toronto.ca/involved/projects/eglinton\\_crosstown\\_lrt](http://www.toronto.ca/involved/projects/eglinton_crosstown_lrt)

Sheppard East LRT: [http://www.toronto.ca/involved/projects/sheppard\\_east\\_lrt](http://www.toronto.ca/involved/projects/sheppard_east_lrt)

Finch West LRT: [http://www.toronto.ca/involved/projects/etobicoke\\_finch\\_w\\_lrt/](http://www.toronto.ca/involved/projects/etobicoke_finch_w_lrt/)

Scarborough LRT:

[http://www.toronto.ca/involved/projects/scarborough\\_rapid\\_transit/index.htm](http://www.toronto.ca/involved/projects/scarborough_rapid_transit/index.htm)

LRT Videos to see it in action: <http://www.youtube.com/watch?v=9k86lBV5824> and  
<http://www.streetfilms.org/phoenixs-metro-light-rail-takes-flight/>