

Riverside Drive Road Reconstruction



**April 3, 2017
Public Meeting**

Tonight's Agenda

7:30 pm Presentation by City Staff

8:00 pm Questions and Answers

8:30 pm Review of Drawings and Discussions with Staff

9:00 pm Meeting Closure

Meeting Ground Rules

- As the **neutral facilitator** my purpose is to ensure we have a good meeting, stay on topic, on time with the agenda and finish on time
- Please **show decorum and respect** to both your neighbours and staff. We want to create a safe environment at this meeting to respect all opinions and feedback
- **One speaker** or discussion at a time please
- Please **hold all questions** until after the presentation

Presentation Outline

- Reasons for Reconstruction of Riverside Drive
- Our Design Objectives
- Existing Conditions
- Initial and Second Designs - what we heard and improvements made
- Summary of Final Design Features
- Timing of Work
- Monitoring

Study Limits



Reasons for Reconstruction

1. Inspection shows road is past its service life and road base requires full rebuilding
2. Watermain from Riverside Crescent to South Kingsway needs replacement due to high watermain break rates (i.e. end of service life).
3. Retaining wall is under severe distress and corrosion and requires rebuilding

Our Design Objectives

- Bring road and watermain to a state of good repair
- Replace retaining wall to stabilize the slope
- Ensure road is safe and accessible for all users:
 - Incorporate measures to lower vehicle speeds to posted limits
 - Improve sightlines at intersections
 - Enhance pedestrian safety and improve neighbourhood connections
 - Provide access for emergency and garbage/snow vehicles
- Minimize impacts on natural environment and enhance tree canopy
- Improve stormwater management
- Respect the character of the street

What Residents Have Told Us

- Speeding, cut-through traffic and high traffic volumes make the road unsafe
- Poor visibility at various intersections
- Maintaining tree canopy a priority
- Desire for woonerf design with walkways and permeable pavers
- Mixed views on sidewalks and placement
- Interest in bike lanes
- Need to recognize neighbourhoods special character
- Desire to reflect historic alignment

Existing Conditions: Road Features

- Current road pavement varies from 8.5 metres to 9.5 m
- Sidewalk from South Kingsway at south end ends mid block
- Ditches have been filled in
- Deteriorating pavement



Existing Conditions: Traffic Volumes

- Traffic volume counts were performed in March 2017
- Data shows 1,699 – 1,824 vehicles per day travel on Riverside Drive
- Volume is within the City standard for a local road (< 2500 cars per day)

Existing Conditions: Traffic Speed

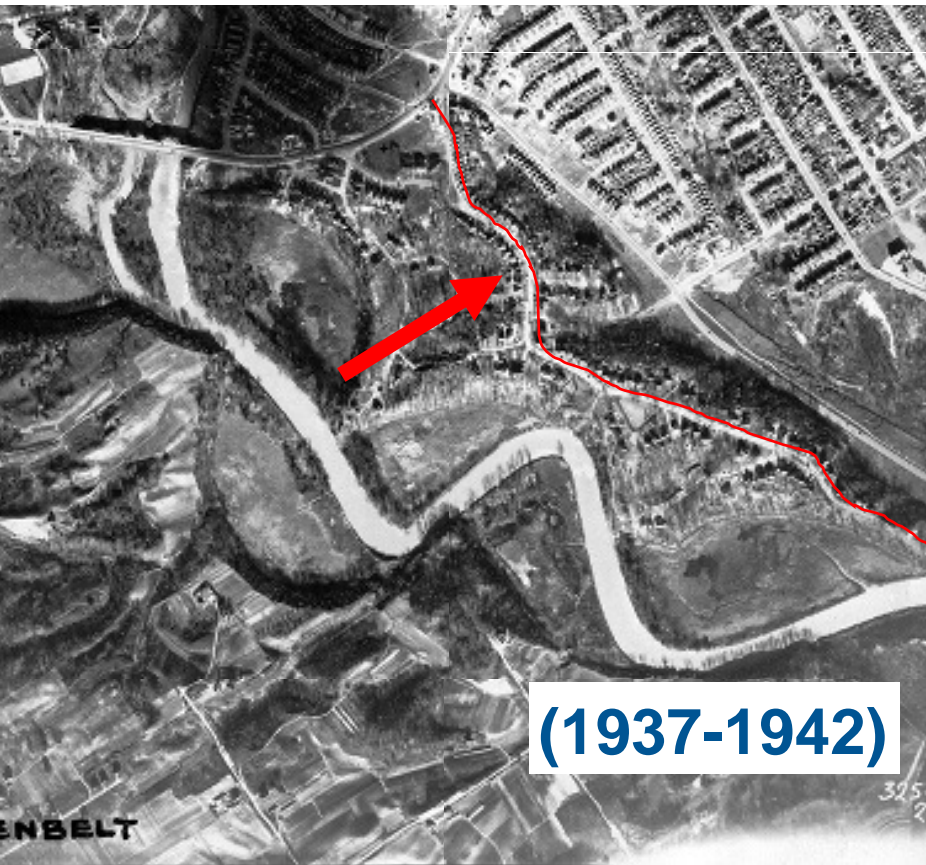
Speed Studies 2017

Location	85 th Percentile Speeds	Average Speeds
South of Mossom Road	48 km/h	39 km/h
Lucy Maud Montgomery Park	51 km/h	43 km/h

- City has recently introduced measures to address speeding and cut through traffic:
 - Right turn prohibition from Bloor St was extended from 9:00 am to 9:30 am
 - Posted speed limit reduced from 40 to 30 km/h – signs recently installed
- Additional steps to reduce speed incorporated into new road design

Existing Conditions: Alignment

- Design follows the existing curvature of the road



Consultation and Design Timeline

Conversations
between staff
and local
residents

Feb 25, 2016
Drop In Event:
Preliminary
Plans

Several meetings with local residents, emails, phone calls, notices, webpage updates

2015

2016

2017

Initial Design

Initial Design: February 2016

City staff presented an initial design that featured:

- Road pavement narrowed to 8 metres (from 8.5-9.5m)
- One concrete sidewalk with standard curb
- Bump outs and paver strips at intersections
- Permanent parking
- Low impact design plantings at various locations



Consultation and Design Timeline

Conversations
between staff
and local
residents

Feb 25, 2016
Drop In Event:
Preliminary
Plans

Apr 18, 2016
Drop In Event:
Revised Plans

Several meetings with local residents, emails, phone calls, notices, webpage updates

2015

2016

2017

Initial Design

Second Design

Second Design: April 2016

What we heard and improvements we made:

“Narrow the roadway further and add more pavers”

- ✓ Narrowed to 7.2 metres
- ✓ Added 6.0 m pinch points with pavers

“Implement additional traffic measures”

- ✓ Added landscaping at strategic locations to narrow field of view
- ✓ Replaced the South Kingsway intersection merge lane with a full stop
- ✓ Raised the intersection at Riverside Trail and added pavers
- ✓ Extended morning turning restriction at Bloor St. W.

“Parking not used enough to slow traffic”

- ✓ Added alternating banks of 3-hour anytime on-street parking – effective in the north portion where there are more parked cars

Second Design: April 2016

“Prefer walkways to sidewalk on west side”

- ✓ Used rolled curb instead of traditional barrier curb
- ✓ Lowered the sidewalk profile
- ✓ Added a 1.2 metre treed boulevard
- ✓ Added paved strip alongside retaining wall on west side

“Concerns about some proposed Low Impact Design locations”

- ✓ Adjusted locations

“Add roundabout at Mossom Road intersection”

- Narrowed the Mossom Road intersection (a roundabout would not be effective in addressing vehicles travelling the wrong way on Mossom)



Consultation and Design Timeline

Conversations
between staff
and local
residents

Feb 25, 2016
Drop In Event:
Preliminary
Plans

Apr 18, 2016
Drop In Event:
Revised Plans

April 3, 2017
Public
Meeting:
Final Plans

Several meetings with local residents, emails, phone calls, notices, webpage updates

2015

2016

2017

Initial Design

Second Design

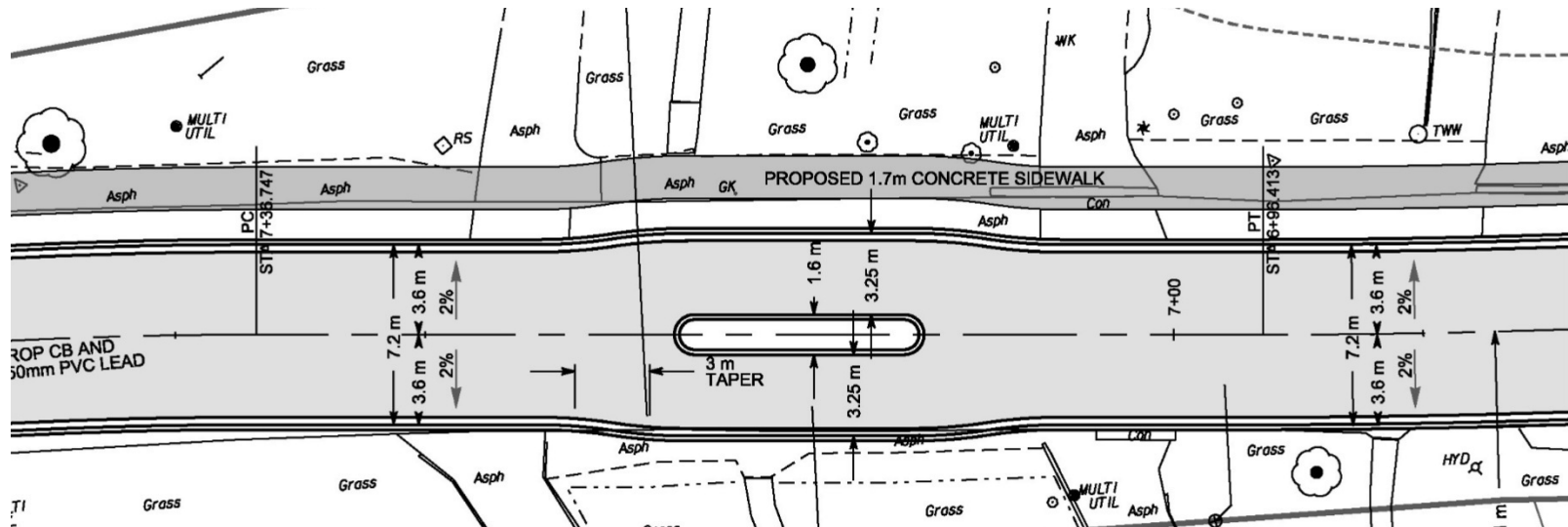
Final Design

Final Design: April 2017

What we heard and improvements we made:

“Shorter block lengths would help address speeding”

✓ Added five median islands with trees to create shorter block lengths



- Median is 1.25 m wide and 6–10 m long
- Road narrowed on each side to 3.25 m

Final Design: April 2017

“Speeding still a concern”

- ✓ Measures previously introduced to narrow road
- ✓ Reduced speed limit from 40 km/h to 30 km/h
- ✓ Addition of median islands

“Keep the merge lane vs. change to a full stop”

- ✓ Retained merge lane at the South Kingsway intersection, with some minor changes. Yield sign will remain and assessed at a later date

“Move pinch point & look out to avoid placement in front of homes”

- ✓ Moved the pinch point & look out

“Add pavers at Mossom Place intersection”

- ✓ Added pavers at intersection

Final Design: April 2017

“Retaining wall shouldn’t block view of Humber River”

✓ Replaced concrete wall with lower railing (1.05 m)



Sample of railing



Concept image only, the final design will change to match site conditions

Summary of Final Design

Design Features

	Safety	Speeding	Greenspace / Stormwater Mgt	Character
Narrowed roadway	✓	✓		
Pinch points with pavers	✓	✓		✓
Median islands with trees	✓	✓	✓	
Narrowed intersection at Mossom Road	✓	✓		
Raised intersection with pavers at Riverside Trail	✓	✓		✓
Intersection with pavers at Mossom Place	✓	✓		✓
On-street parking in alternating banks	✓	✓		
Rolled curbs and gutters	✓		✓	✓
Continuous concrete sidewalk on east side with treed boulevard	✓		✓	✓
New trees and plantings			✓	✓
Low impact design planting locations			✓	✓
Permeable pavers in front of Lucy Maud Montgomery Park			✓	✓
Paved pathway along retaining wall				✓
Open railing on retaining wall and lookout				✓
Minor improvements to South Kingsway intersection (yield sign remains)	✓			

Commitment to Monitoring

- The City is committed to monitoring the improvements following construction
- Monitoring speeds and traffic counts will take place 6 months and again 12 months post construction

Construction Timing

Phase 1 - Retaining wall and watermain

- Work is set to commence this week
- Expected to take 6-8 months to complete

Phase 2 – Entire street

- To commence in Summer 2017
- Expected to take 6-7 months to complete

Construction Notices with more details will be provided and any updates will be issued

Q+A Ground Rules

1. All questions should be directed through the facilitator who will moderate the Q & A session
2. A roving microphone will be used so everyone can hear the question/comment and the response
3. The person with the microphone has the floor, please do not interrupt the speaker who has the floor
4. Please introduce yourself, before your question or comment for the record of the meeting
5. Please do not interrupt the response to your question

Plan Drawings

Table 1:
South Kingsway -
#199

Table 2:
#199 - #217

Table 3:
#217 - #243

Table 4:
#243 - #267

Table 5:
#267 - #293

Table 6:
#293 – Brule
Gardens