

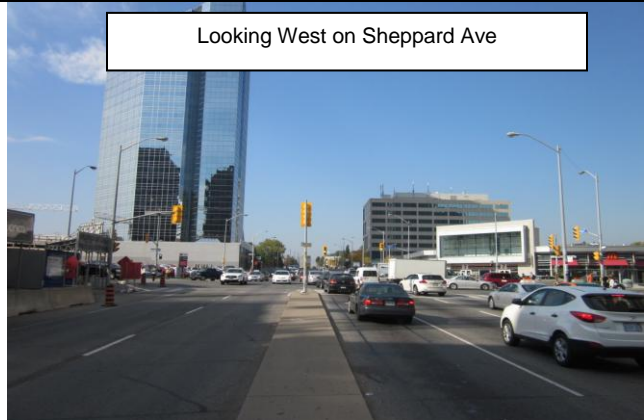
Yonge Street, Highway 401 to Sheppard Street.

The intersection of Yonge Street and Sheppard Avenue is located in the North York District. On Yonge Street from Highway 401 to Sheppard Avenue there are four signalized intersections. During the peak periods the volume of traffic is generated by the ramps from Highway 401, commuter traffic and the subway station at the intersection of Yonge Street and Sheppard Avenue East.

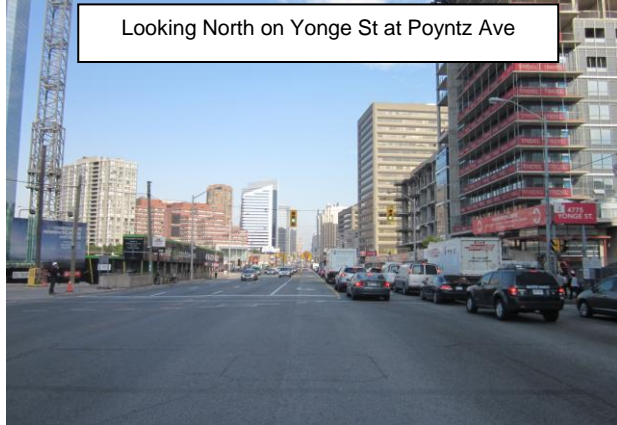
Looking North on Yonge St at Sheppard Ave



Looking West on Sheppard Ave



Looking North on Yonge St at Poyntz Ave



Looking South on Yonge St at Poyntz Ave


Discussion of Issues

The signals are equipped with the Scoot System. All left turn phases are callable by setback loops. During both peak periods there are heavy delays on Yonge Street between Sheppard Avenue and Highway 401. Long vehicle queues are continually experienced for southbound left turning vehicles on Yonge Street at Lord Seaton Drive.

History of Actions / Background

A request to consider the implementation of a Pedestrian Scramble at Yonge and Sheppard was conducted. It was determined that the implementation was not appropriate given there are over 40,000 vehicles per day versus 6,500 pedestrians.

Delay for northbound motorists on Yonge Street is affected by the demand for east-west side street demand at Avondale Avenue/Florence Avenue and also at Poyntz Avenue.

Delay for eastbound right turning vehicles exiting Florence Avenue was created by westbound left turning motorists from Avondale Avenue swinging into the westerly southbound curb lane.

The recent opening of Beecroft Road between Poyntz Avenue and Finch Avenue West will reduce the volume of traffic at the intersection of Yonge Street and Sheppard Avenue

The eastbound approach of Poyntz Ave at Yonge Street is currently under reconstruction to provide a through lane to Anndale Road.

Data and Analysis

Traffic Volume Information - 8 Hour Summary

Study Date	Northbound				Eastbound				Southbound				Westbound			
	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total	Left	Thru	Right	Total
June 07, 2010	1314	9800	1573	12687	768	4841	1837	7446	990	10571	560	12121	2046	5049	1082	8177

Total 8 hour vehicle volume: **40431**

Total 24 hour vehicle volume: **80862**

Note: **A factor of 2 was used to convert the 8 hr total to a 24 hour total**

Options for Consideration & Potential Benefits

Near term options

- Optimization of the traffic control signals on Yonge Street between Sheppard Avenue and Highway 401
 - Improved co-ordination of the traffic control signals on the Yonge Street corridor

Longer Term options

- Completion of the North York Service Road
 - Will provide improved access from the Avondale community
 - Will reduce the volume of traffic on Yonge Street
- The pending recommendations/findings of the Municipal Class Environmental Assessment for Yonge Street and Highway 401, options will be determined to reduce vehicle delay on Yonge Street
 - Southbound queue of vehicles would be eliminated with the construction of a fly-over on ramp
- The pending completion of the Anndale Avenue extension
 - Will provide relief for traffic exiting Avondale Avenue

Costs	Funding Source (Operating/Capital)
Immediate	2012 Operating Budget
Near Term	Operating Budget

Mid Term	N/A
Long Term	Capital MTO