

Woodpark Traffic Pilot

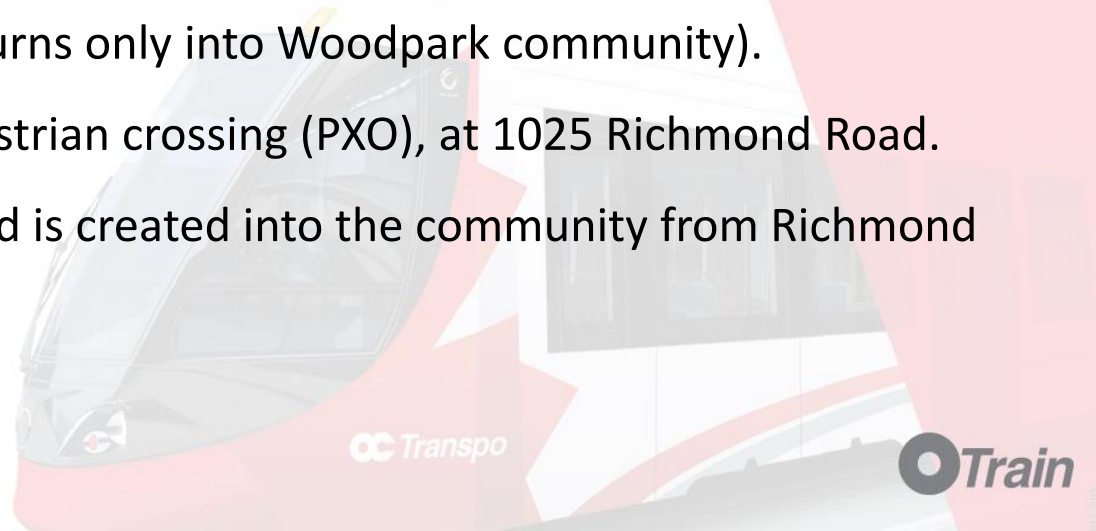
Findings & Next Steps

January 17, 2018



Background

- The Woodpark Community was surveyed between May 26, 2017 and June 17, 2017 to determine traffic measure preferences when the Stage 2 LRT project is introduced to the area.
- Results indicated preferences to:
 - Re-design existing Ancaster Avenue exit to Richmond Road eastbound.
 - Keep Byron Avenue open southbound at Woodroffe Avenue to oneway westbound traffic (right turns only into Woodpark community).
 - Add a new actuated pedestrian crossing (PXO), at 1025 Richmond Road.
 - Ensure no new access road is created into the community from Richmond (at Allison or mid-block).



Woodpark Traffic Pilot Study

- To get data related to these preferences, the City piloted temporary closures from August 8, 2017 to October 27, 2017 at the following locations:
 1. Byron Avenue at Woodroffe Avenue
 2. Hartleigh Avenue at Richmond Road
 3. Richardson Avenue at Richmond Road
- Traffic counts were conducted to capture volumes before, during, and after the piloted closures.

Traffic Pilot Study Area



Ancaster and Richmond – Right Turn to Richmond

Status	Open	Closed		Open
Date	Aug 3	Aug 22	Sep 26	Nov 16
8 hour volumes	140	221	256	146
Average (veh/hour)	18	28	32	18
Interval (min:s/veh)	3:22	2:10	1:53	3:22
Maximum (veh/hour)	24	37	52	29
Interval (min:s/veh)	2:30	1:37	1:09	2:04

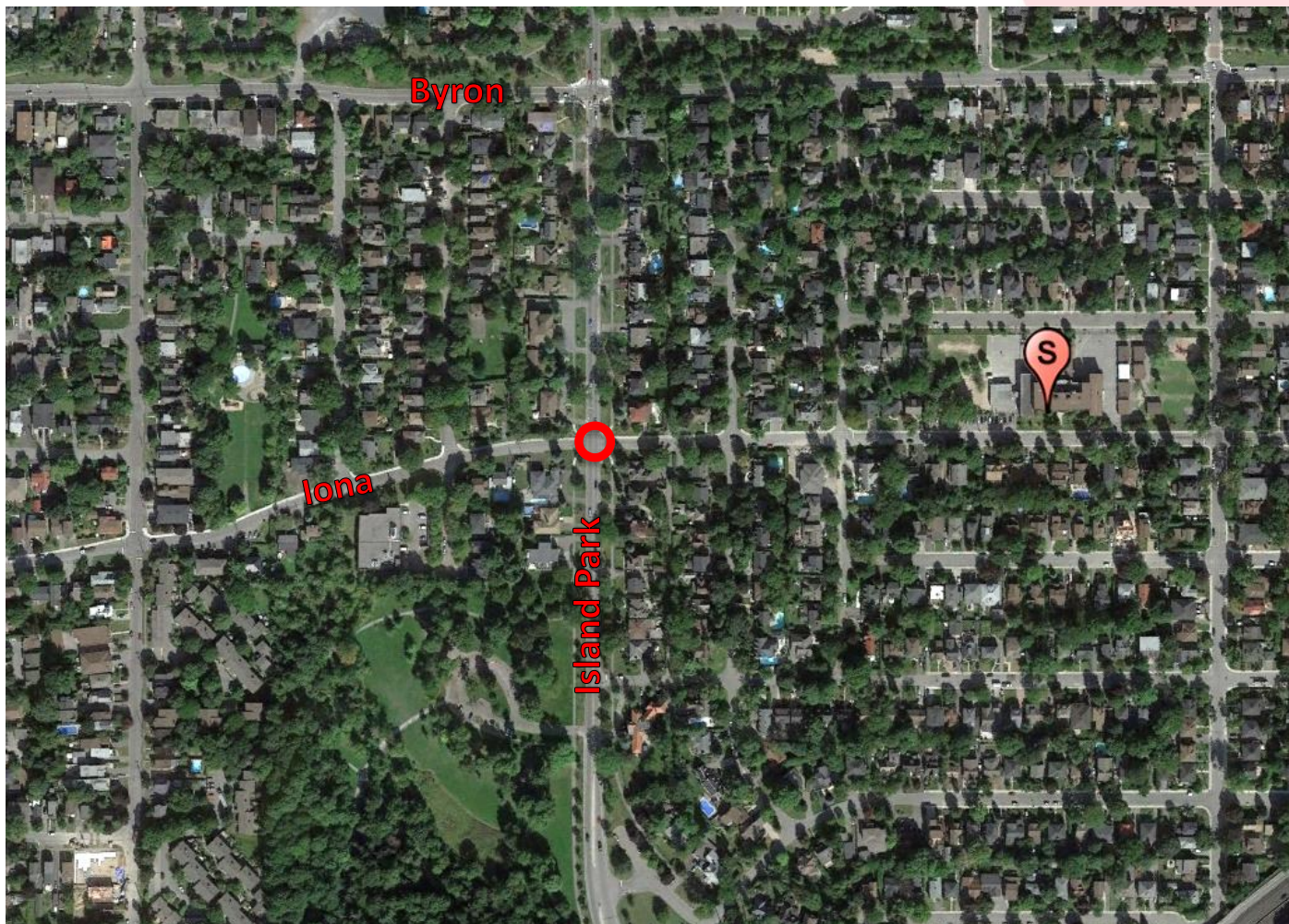
Anthony and Woodroffe – Right Turn to Anthony

Status	Open	Closed		Open
Date	Aug 3	Aug 22	Sep 26	Nov 16
8 hour volumes	26	148	159	43
Average (veh/hour)	3	19	20	5
Interval (min:s/veh)	18:28	3:14	3:01	11:18
Maximum (veh/hour)	6	37	33	10
Interval (min:s/veh)	10:00	1:37	1:49	6:00

Anthony and Woodroffe

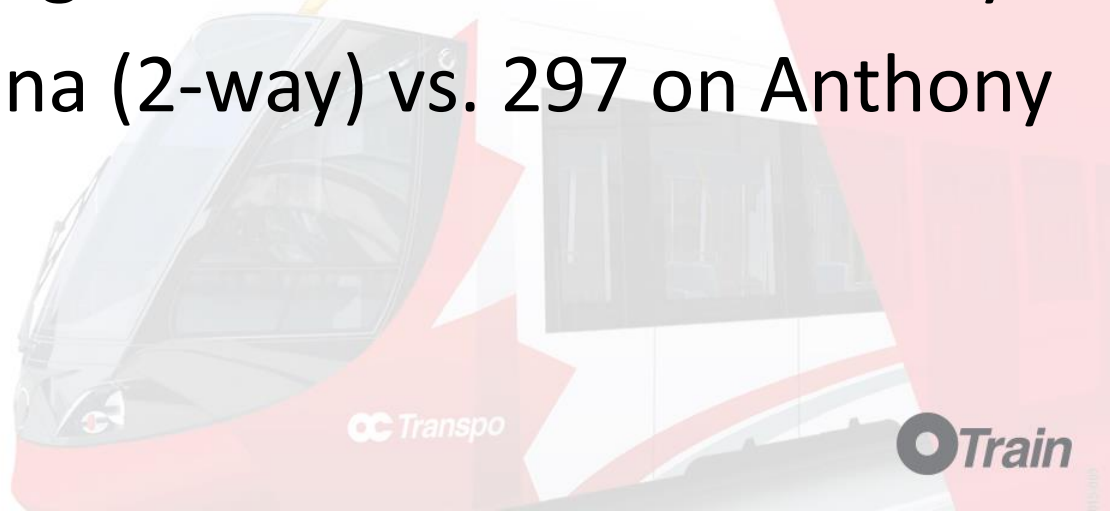


Island Park & Iona



Comparison

- Pedestrian signal
- Main street volumes are similar
- Local roads
- Residential communities
- 361 vehicles turning to Iona vs. 180 to Anthony
- 688 vehicles on Iona (2-way) vs. 297 on Anthony



Anthony and Woodroffe – Right Turn to Woodroffe

Status	Open	Closed		Open
Date	Aug 3	Aug 22	Sep 26	Nov 16
8 hour volumes	56	60	73	42
Average (veh/hour)	7	8	9	5
Interval (min:s/veh)	8:22	8:00	6:35	11:18
Maximum (veh/hour)	13	16	14	10
Interval (min:s/veh)	4:37	3:45	4:17	6:00

Anthony and Woodroffe – Left Turn to Woodroffe

Status	Open	Closed		Open
Date	Aug 3	Aug 22	Sep 26	Nov 16
8 hour volumes	32	57	59	49
Average (veh/hour)	4	7	7	6
Interval (min:s/veh)	15:00	8:22	8:22	9:48
Maximum (veh/hour)	11	13	16	11
Interval (min:s/veh)	5:27	4:37	3:45	5:27

Results

- General average traffic increase was eight (8) vehicles/hour which equates to one additional vehicle every 7.5 minutes.
- The absolute largest increase during the heaviest time was 31 vehicles/hour which equates to one additional vehicle every two minutes.



Additional Results

- Slight increase of vehicles making the prohibited left turn from Ancaster to Richmond which was expected due to the general increase in traffic volumes.
- The rate declined as the study progressed despite the continuous increase in the general volumes which suggests that lack of driver familiarity is the cause of the increase in these valuations.
- The intersection will be redesigned making it harder to perform the prohibited turn.

Additional Results

- Byron at Woodroffe was identified as a potential safety hazard; closing Byron will eliminate this.
- 1025 Richmond will not have a full signal, rather it will have a pedestrian crossover (PXO).



Conclusions and Recommendations

- The volume increases are well within the parameters recommended by the City of Ottawa and the Transportation Association of Canada for traffic volumes on local roadways
- Community feedback during the pilot was very low
- Based on results, the pilot closures will be made permanent when Stage 2 construction begins:
 1. Closure of Hartleigh Avenue northbound at Richmond Road
 2. Closure of Richardson Avenue northbound at Byron Avenue and Richmond Road
 3. Closure Byron Avenue east and westbound at Woodroffe Avenue
 4. Ensure no new access from Richmond to Byron is created

Next Steps

Upcoming Stage 2 Milestones

- Stage 2 Contract Award - 2018
- Construction Commences - 2019
- Confederation Line West Revenue Service - 2023



Thank You

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