

# LORD ROBERTS COMMUNITY TRAFFIC STUDY

## Technical Analysis Report

March 2020

This summary outlines the findings of a number of technical analyses undertaken to quantify concerns expressed by participants during Phase 1 of the Lord Roberts Community Traffic Study.

The summary outlines data collected on:

- Speeds;
- Traffic volumes;
- Parking

In addition to the above data collection, the study team also reviewed collision data provided by Manitoba Public Insurance and conducted site visits throughout the neighbourhood to assess traffic conditions.

Data was collected throughout neighbourhood in the spring of 2019 using a number of methods. To account for roadwork on Jubilee Avenue during the first week of data collection, an additional week was added and any data influenced by roadwork was removed prior to analysis. Other traffic data that was collected in recent years in the neighbourhood was also reviewed.

Findings are detailed in the following sections.

### Traffic Speeds

The speed limit on residential streets in Lord Roberts is 50 km/h. There are reduced speed school zones on Daly Street, Rathgar Avenue, and Beresford Avenue adjacent to Lord Roberts School (where a 30 km/h speed limit is in effect from 7:00 am to 5:30 pm, Monday to Friday, September to June).

The two maps on the following pages show the results of the speed studies:

- **Figure 1** shows the 85<sup>th</sup> percentile speed on streets where data is available.
  - The 85<sup>th</sup> percentile speed represents the speed at which 85% of traffic travels at or below. For example, an 85<sup>th</sup> percentile speed of 45 km/h means that 85% of traffic travels at 45 km/h or lower.
- **Figure 2** shows the 95<sup>th</sup> percentile speed on streets where data is available.
  - The 95<sup>th</sup> percentile speed represents the speed at which 95% of traffic travels at or below.
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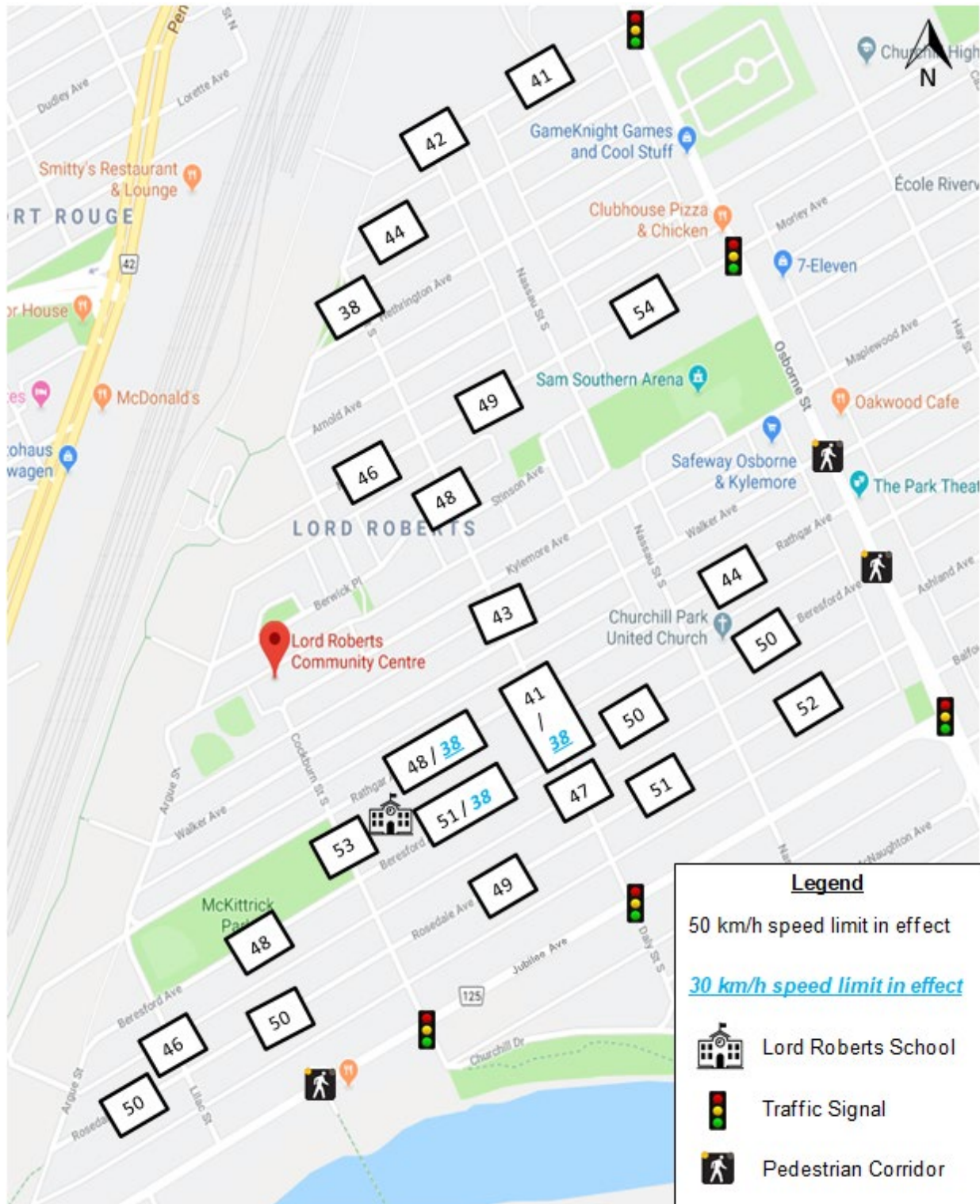
The data indicates there is reasonable compliance with the 50 km/h speed limit. In all cases, the 85<sup>th</sup> percentile speed is below the 50 km/h speed limit, indicating that most traffic travels below the speed limit. In the 30 km/h reduced speed school zone, 85% of traffic travels at or below 35 km/h.

There are two street segments with slightly higher speeds relative to the rest of the streets in the neighbourhood:

- **Cockburn Street S** between Rathgar Avenue and Beresford Avenue, where the 85<sup>th</sup> percentile speed is 47 km/h. Approximately 41 vehicles, or 3.8% of total traffic, travels 55 km/h or more each day on this segment of Cockburn Street S.
- **Morley Street** between Rathgar Avenue and Beresford Avenue, where the 85<sup>th</sup> percentile speed is 49 km/h. Approximately 148 vehicles, or 5.7% of total traffic, travels 55 km/h or more each day on this segment of Morley Avenue.



**Figure 2: 95th Percentile Speeds in km/h; 95 percent of traffic travels at or below the speeds shown**





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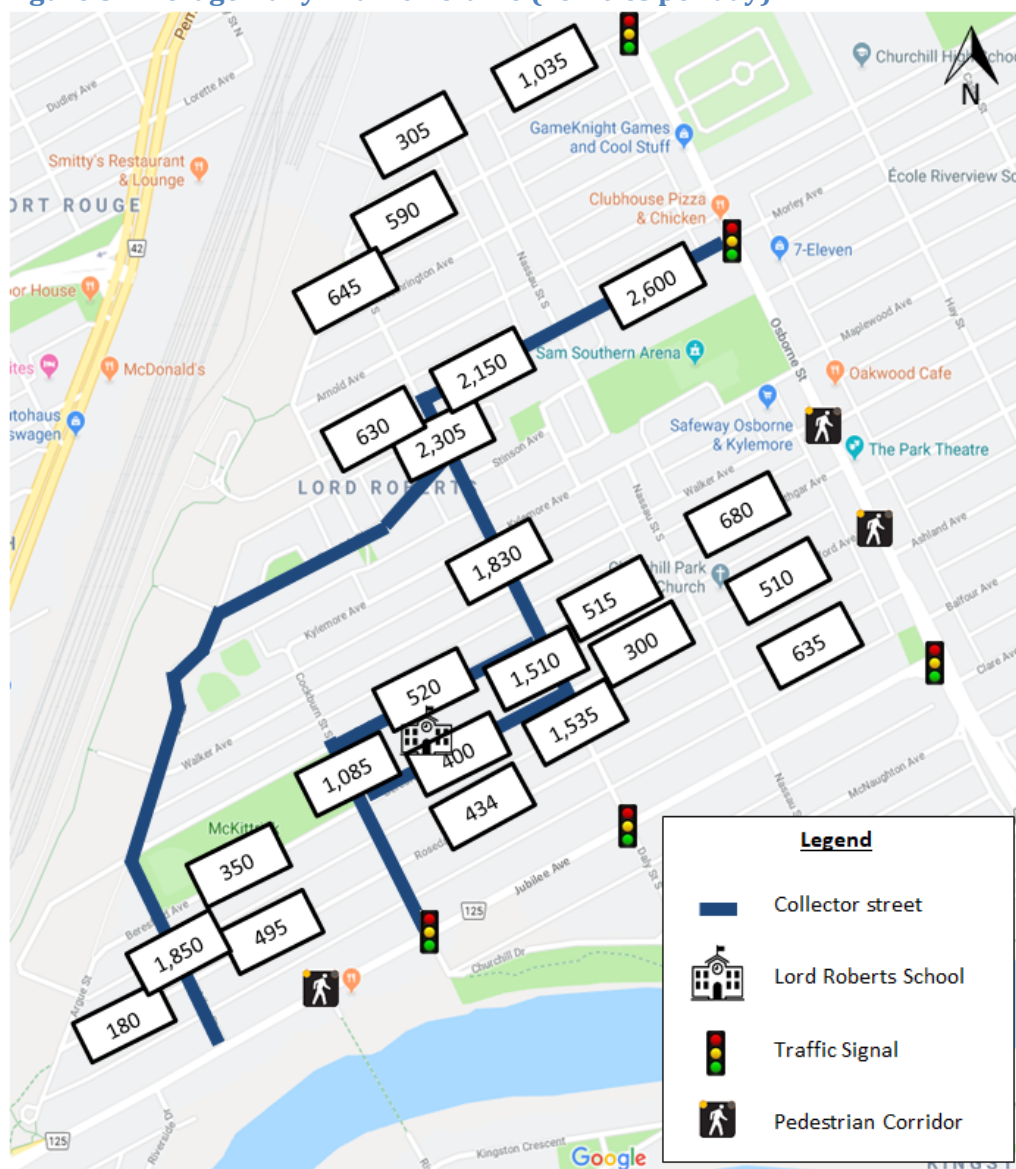
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### Traffic Volumes

The map below shows the average number of vehicles per day traveling in both directions on streets in where data is available. Collector streets are shown in blue. Collector streets accommodate transit, have higher traffic volumes, and have higher snow clearing priority over local streets. The primary function of a collector street is to collect and distribute traffic between local streets, like Walker Avenue, and arterial streets, like Osborne Street.

The daily traffic volumes are similar to other neighbourhood streets in Winnipeg. Typically, collector streets accommodate up to 5,000 vehicles per day, and local streets accommodate around 1,000 vehicles per day. Morley Avenue is a collector street and has the highest traffic volume in the neighbourhood, at 2,600 vehicles per day on the block between Nassau Street and Osborne Street.

**Figure 3: Average Daily Traffic Volume (vehicles per day)**



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### Parking

Most streets in Lord Roberts have unrestricted parking, meaning that vehicles can be parked at any time and for any duration. Some streets have time-limited parking, meaning that vehicles can park for only one or two hours during certain times and days of the week. For example, Brandon Avenue has two-hour time limited parking between 9:00 am and 5:30 pm from Monday to Friday. These time-limited streets are subject to exceptions provided through Winnipeg's Residential Parking Program.

[Residential parking programs](#) help communities manage non-resident vehicles in their neighbourhood by restricting the amount of time non-residents can park. Through the permit system, eligible residents can be exempted from timed restrictions by purchasing a residential parking permit.

View the parking utilization maps appended next for more information. *(User note: each pin represents a parked vehicle. The data shows that streets with time limited parking regulations have more space available, and streets with unrestricted parking are more heavily utilized.)*

## Weekday, 9:00 am





# Lord Roberts Community Traffic Study

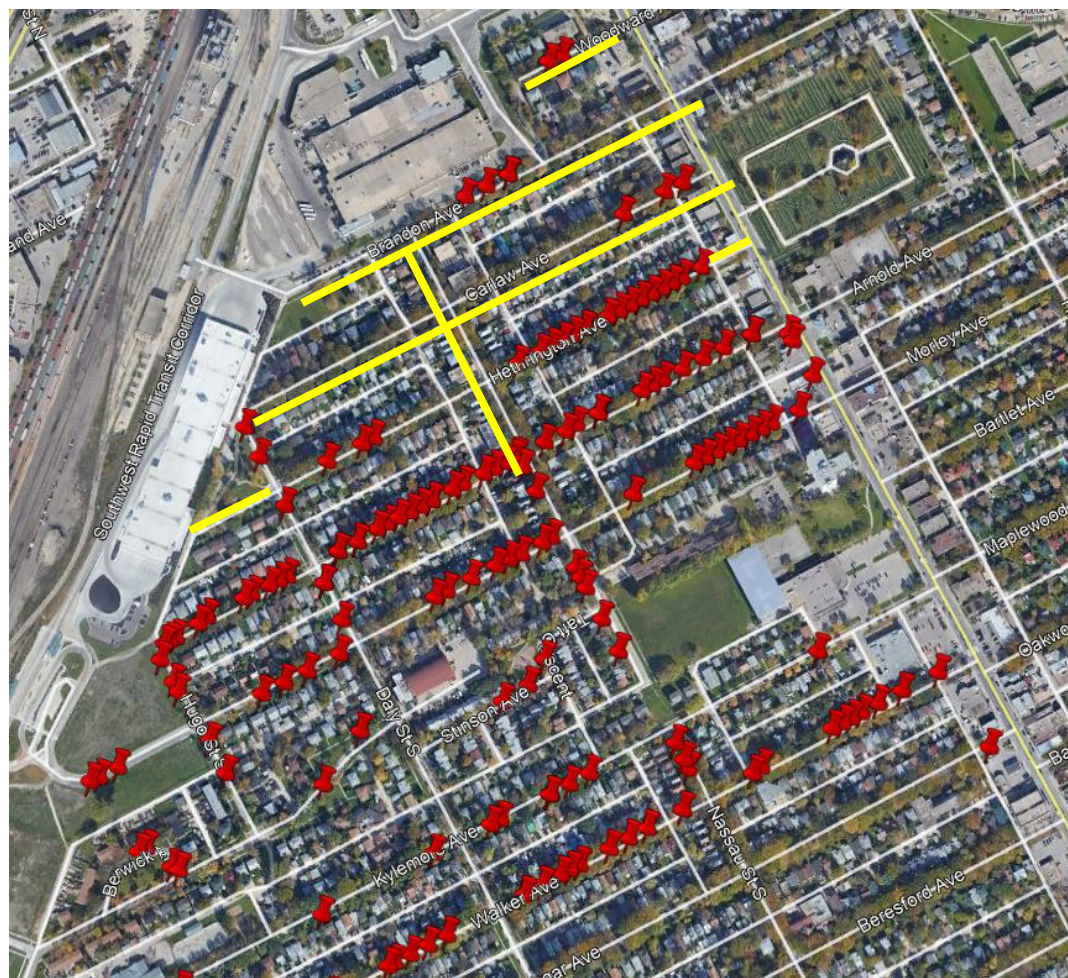
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# Lord Roberts Community Traffic Study

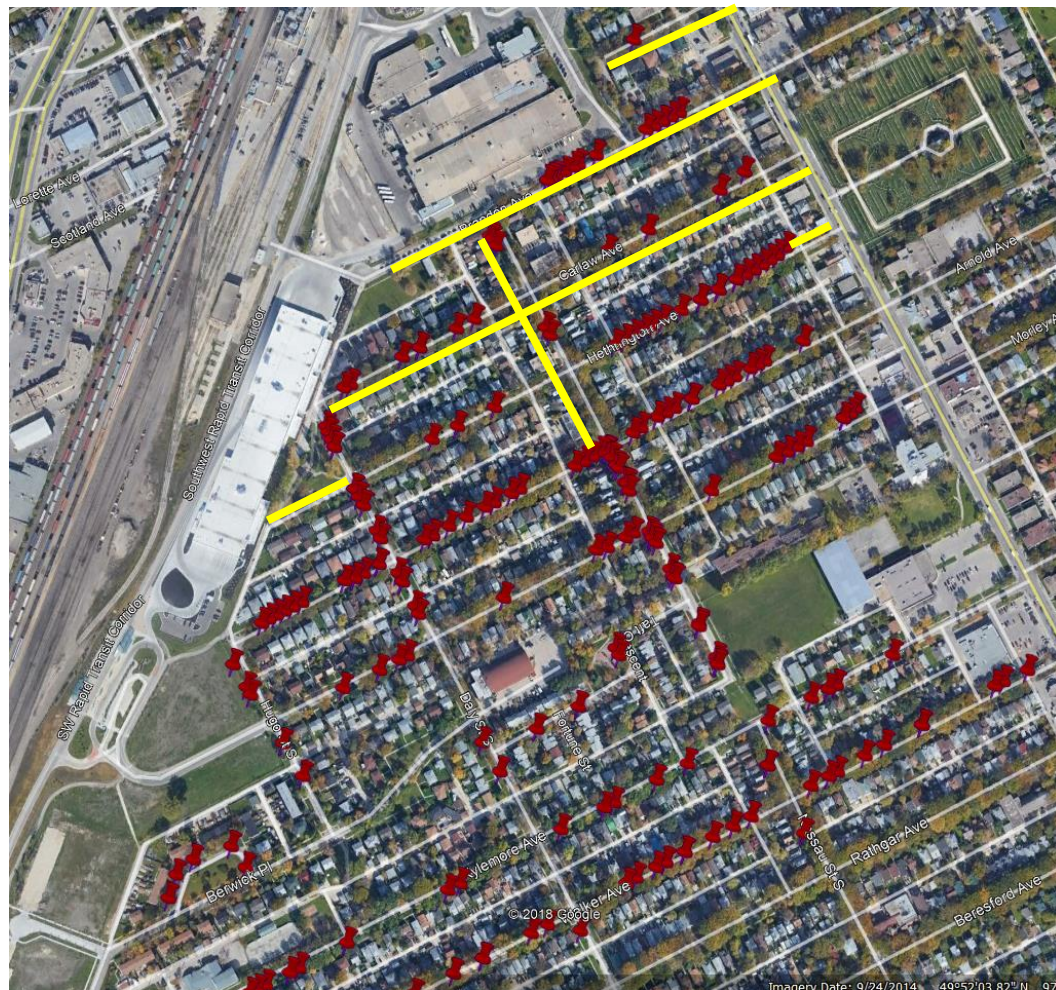
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# Lord Roberts Community Traffic Study

**Weekday, 4:00 pm**





# Lord Roberts Community Traffic Study

Weekday, 9:00 am





# Lord Roberts Community Traffic Study

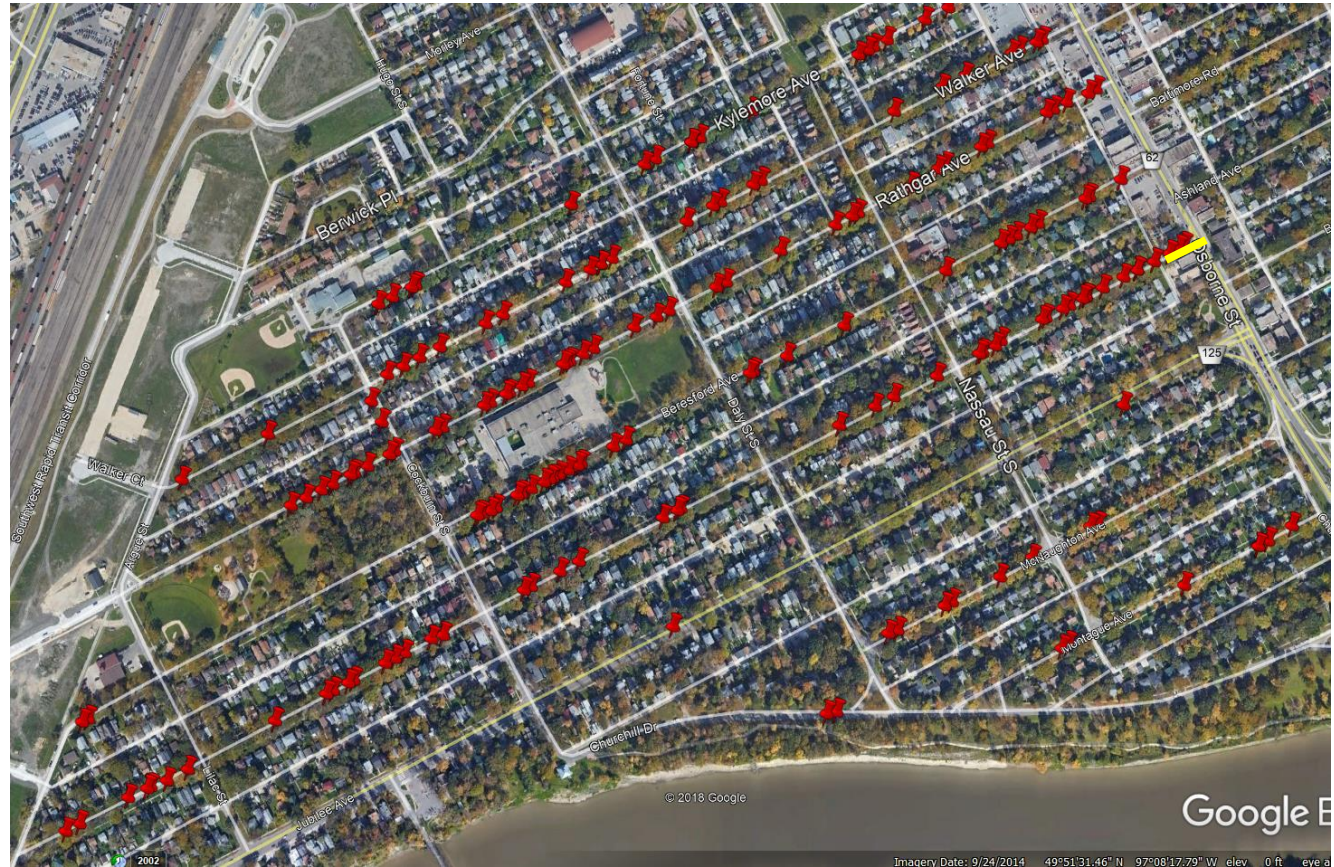
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# Lord Roberts Community Traffic Study

Weekday, 2:00 pm





# Lord Roberts Community Traffic Study

Weekday, 4:00 pm

