



**MEMO to  
Development Services Committee**

**TO: Development Services Committee**

**C.** Andy Taylor, CAO  
Jim Baird, Commissioner, Development Services

**FROM:** Loy Cheah, Senior Manager, Transportation, x 4838  
Brian Lee, Director of Engineering, x 7507

**DATE:** April 24, 2017

**Re: 14<sup>th</sup> Avenue & 9<sup>th</sup> Line Traffic Signals**

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**Purpose**

The purpose of this memo is to update Development Service Committee on the status of the 14<sup>th</sup> Avenue & 9<sup>th</sup> Line traffic signal. This memo is for information only.

**Background**

For a traffic signal to be justified, the subject intersection must meet minimum criteria as defined in Ontario Traffic Manual, Book 12 (Traffic Signals). Justification criteria include the following:

- Minimum 8-hour Vehicle Volume
- Minimum 4-hour Vehicle Volume
- Pedestrian Volume and Delays
- Delay to Cross Traffic
- Collision History

Based on the assessment conducted by York Region Transportation Services, it was recommended that a traffic signal be installed at 14<sup>th</sup> Avenue & 9<sup>th</sup> Line.

At the March 1, 2016 Development Services Committee, York Region Transportation Services staff made a presentation on the proposed traffic signals at the intersection of 14<sup>th</sup> Avenue & 9<sup>th</sup> Line. Committee also received deputation from six residents and a petition from area residents objecting to the proposed traffic signal.

Council directed City of Markham and York Region staff to meet with three representatives of the community to review design elements of the proposed intersection design, including speed mitigation and traffic monitoring strategies within the hamlet.

### **Meeting with Community Representatives**

City Staff met with Councillor Kanapathi, Residents and Regional Staff. On February 28, 2017, Regional staff, City staff and Ward 7 Councillor Logan Kanapathi hosted a meeting with a working group representing the Box Grove Ratepayers' Association. Seven (7) residents were in attendance.

Region staff had a series of informational and visual boards on display, highlighting the meeting purpose, the project timeline, the proposed signal design elements and speed mitigation measures to be employed.

Overall, there was a healthy dialogue during the meeting. While the resident sentiments were mixed, there was acceptance of the design elements being proposed. Constructive suggestions from local residents were also received about ongoing monitoring and speed mitigation strategies that York Region staff has agreed to consider going forward.

### **Project Schedule**

The project is scheduled to be tendered this April-May by York Region, with construction anticipated to occur during the summer and a tentative completion date sometime in September. Once complete, Regional staff will be monitoring intersection operations at the intersection and employing speed mitigation strategies where appropriate.

# Purpose of this meeting

**On March 1, 2016, City of Markham's Development Service Committee requested a proposal to install traffic signals at 14th Avenue and Ninth Line:**

- York Region to develop plan for the proposed signalization and intersection improvements, including:**
  - design elements
  - monitoring
  - location of the intersection within the hamlet
  - speed mitigation measures
- City of Markham and York Region staff to meet with representatives of the community to review the proposed intersection design**

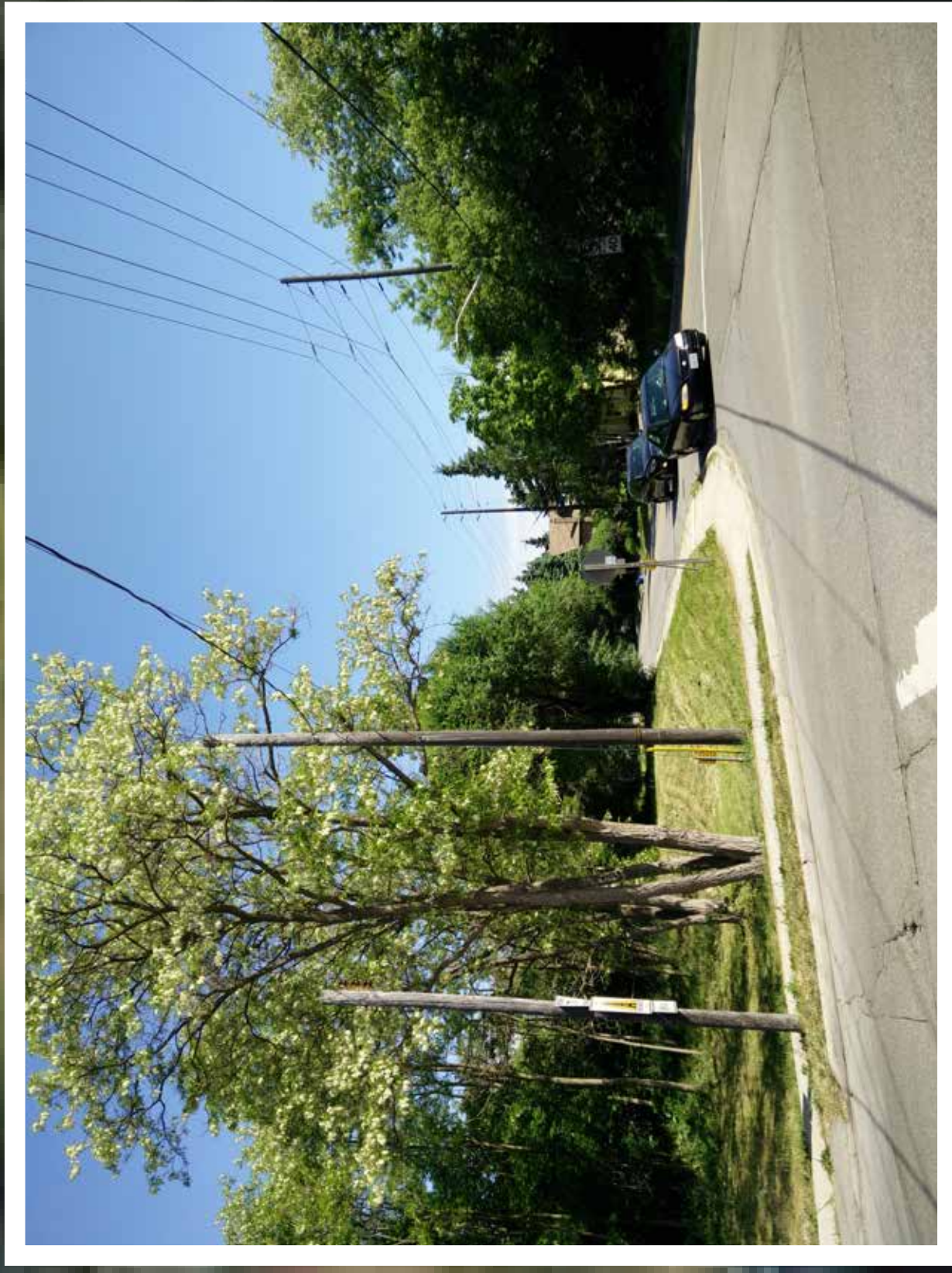
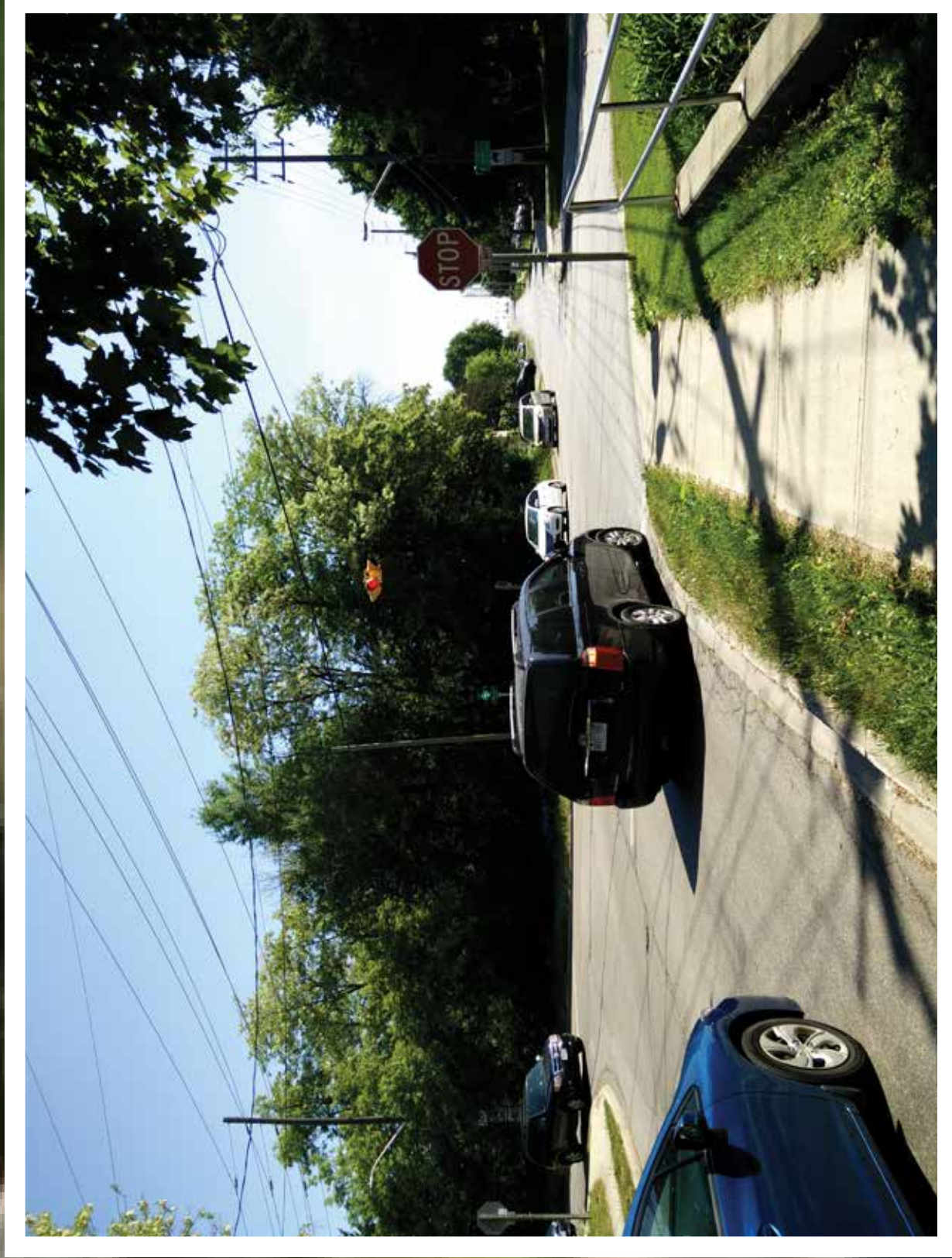
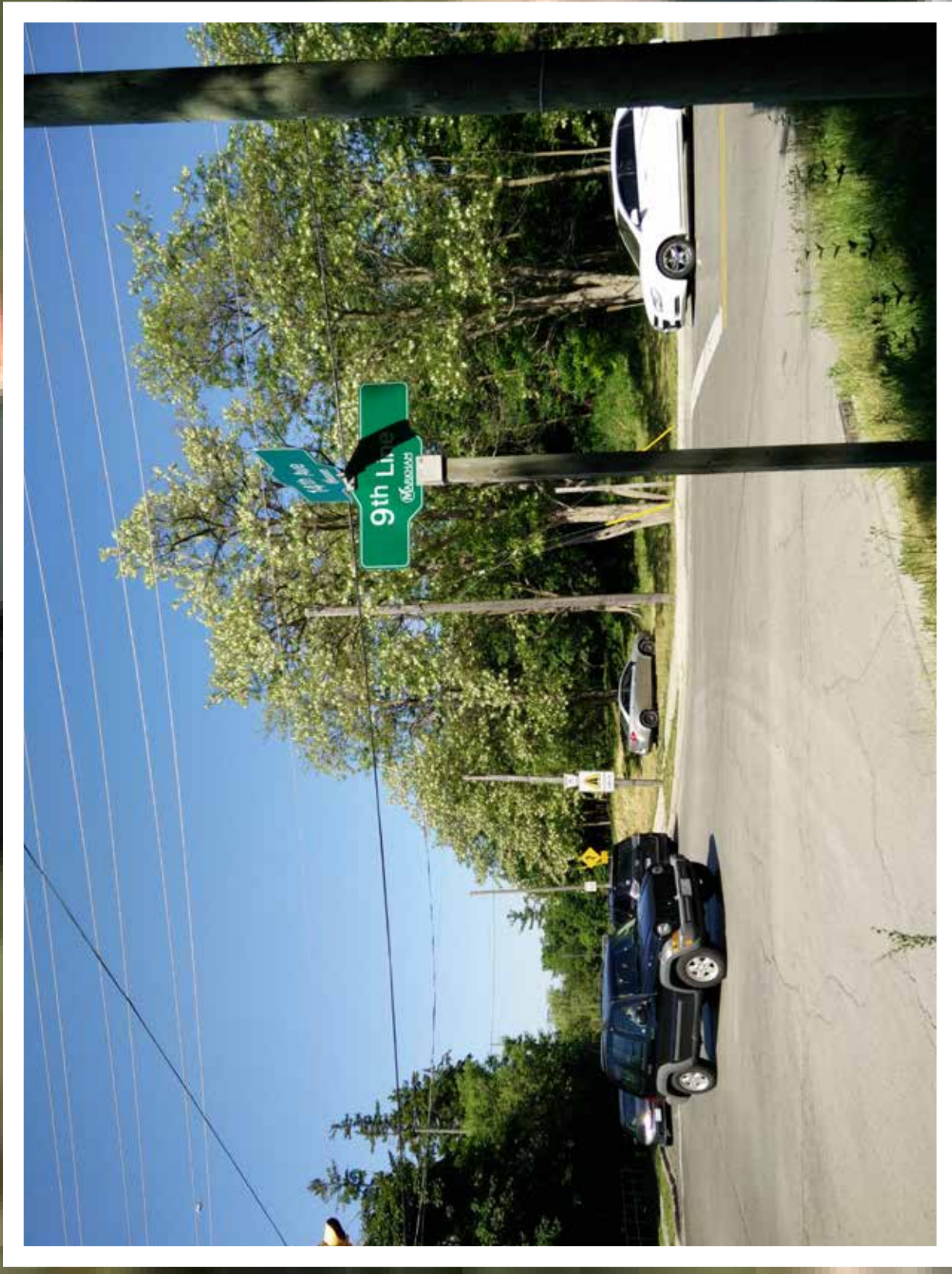


# project timeline



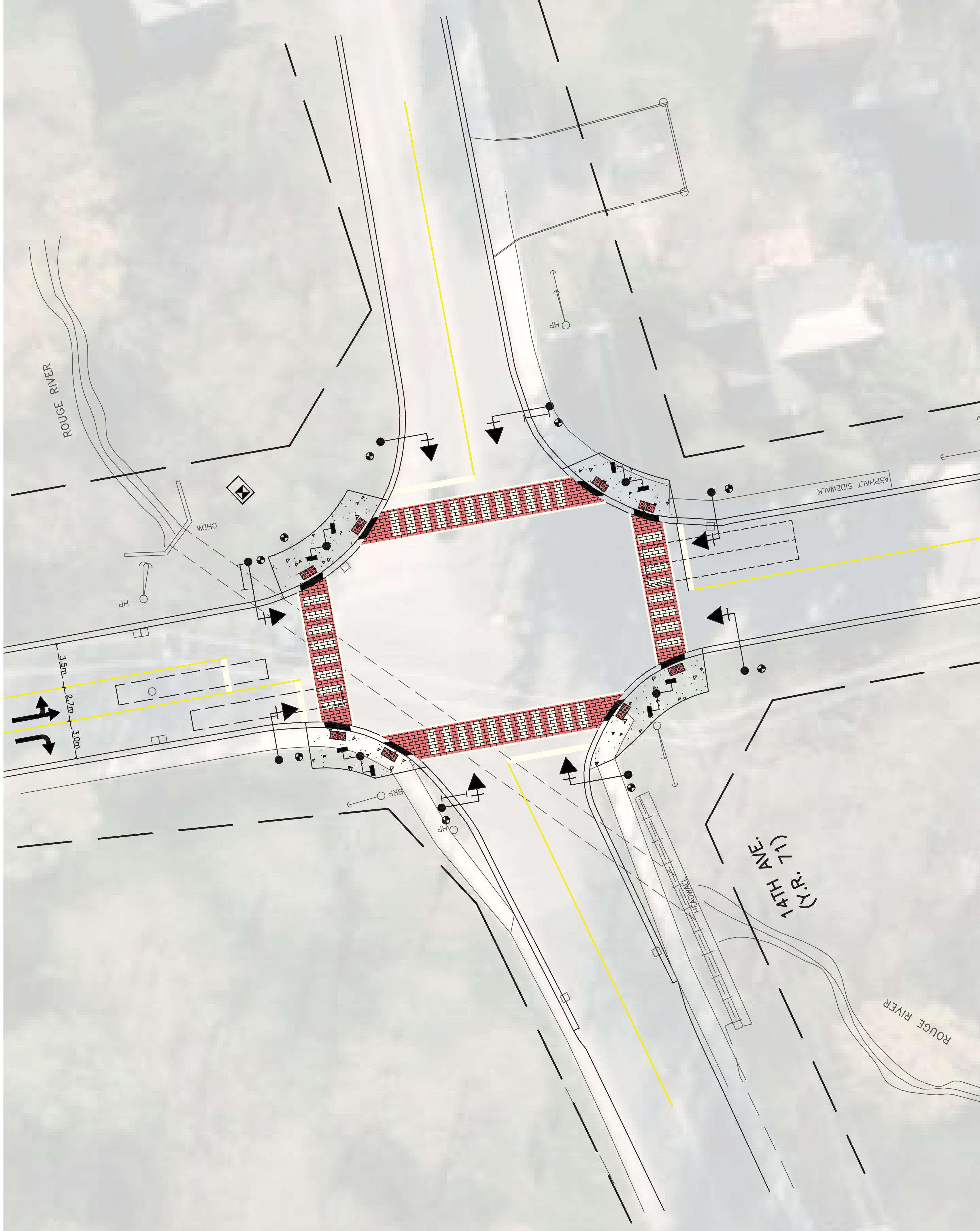


# Ninth Line / 14th Avenue **current**





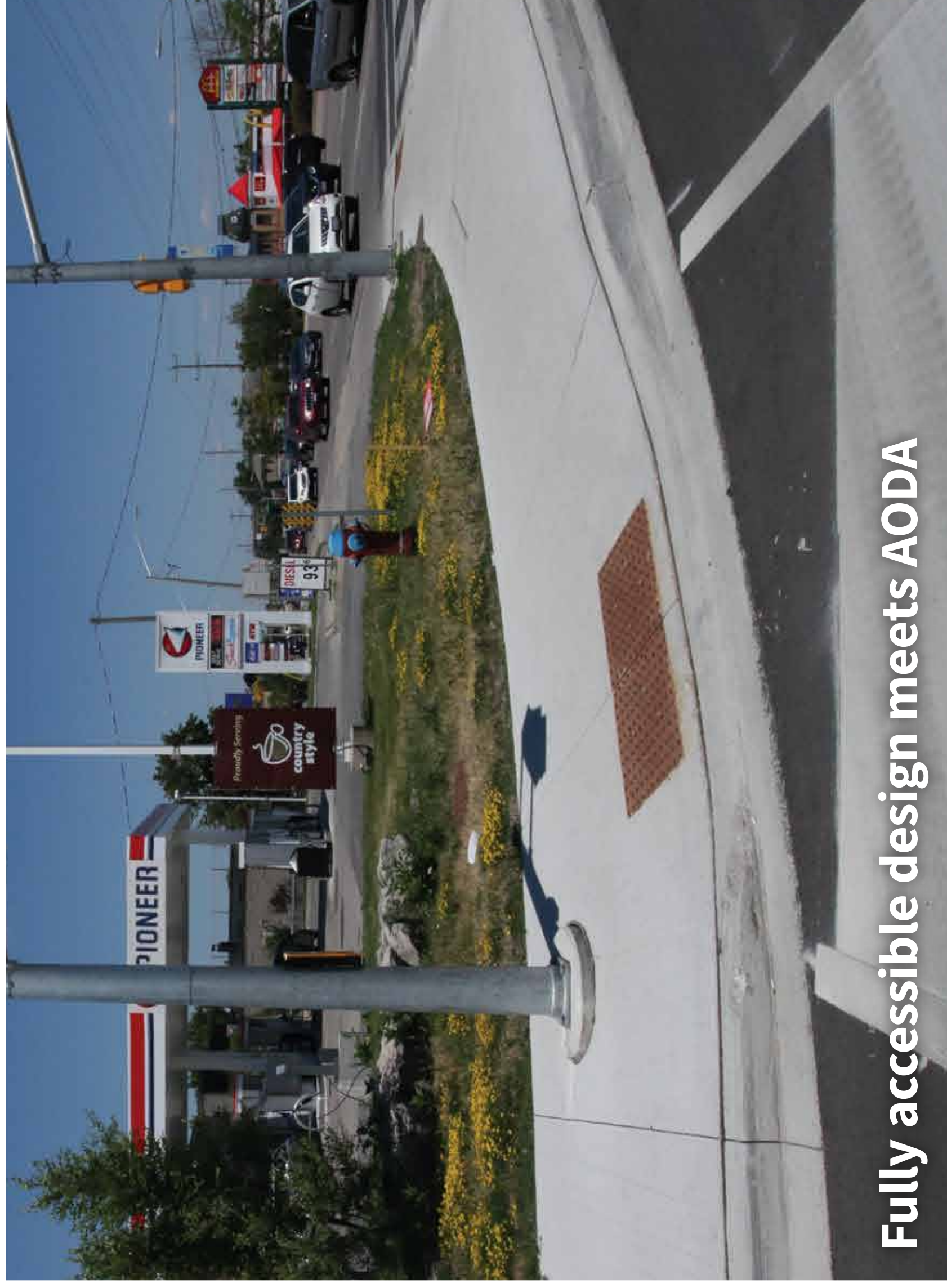
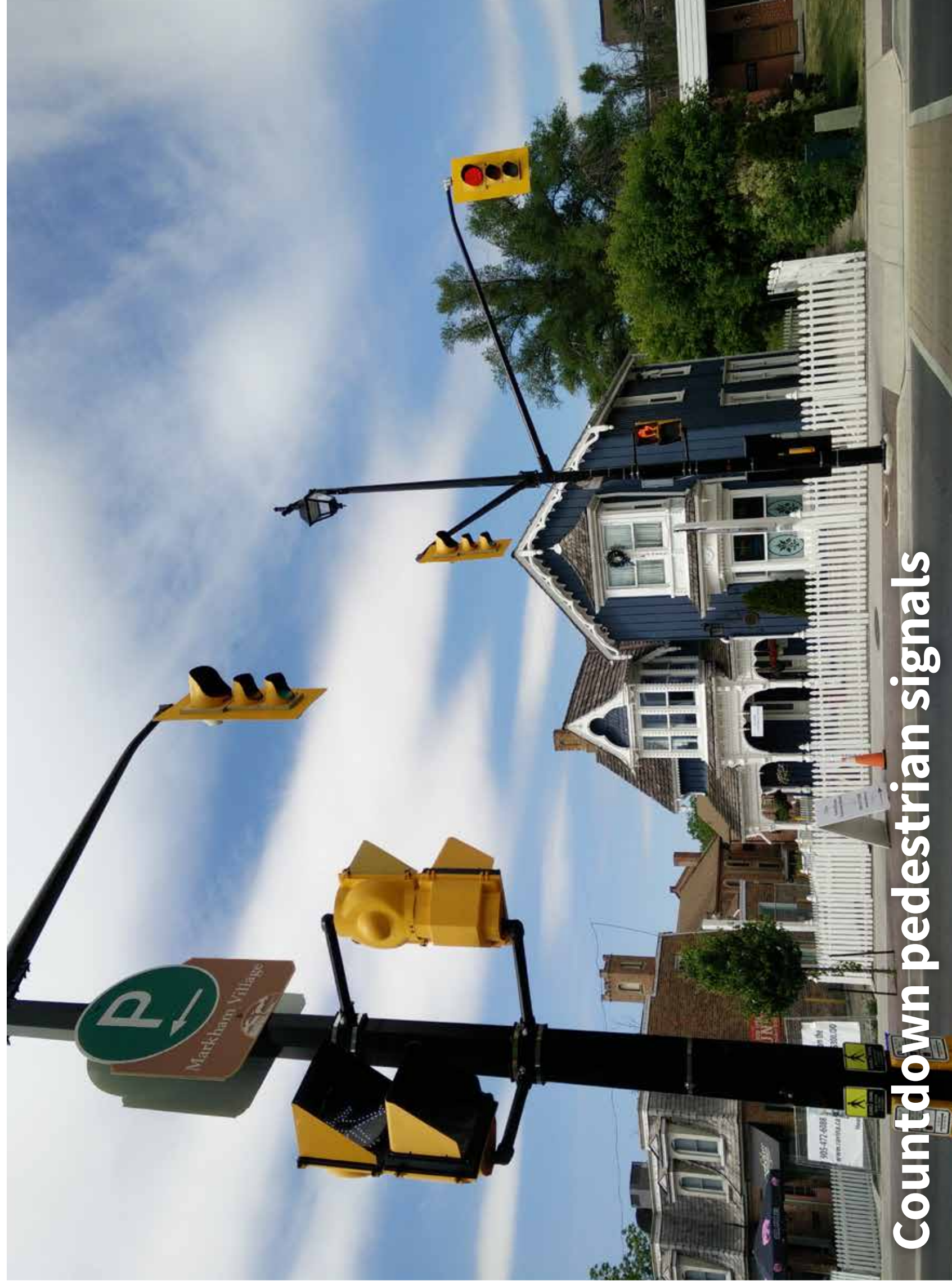
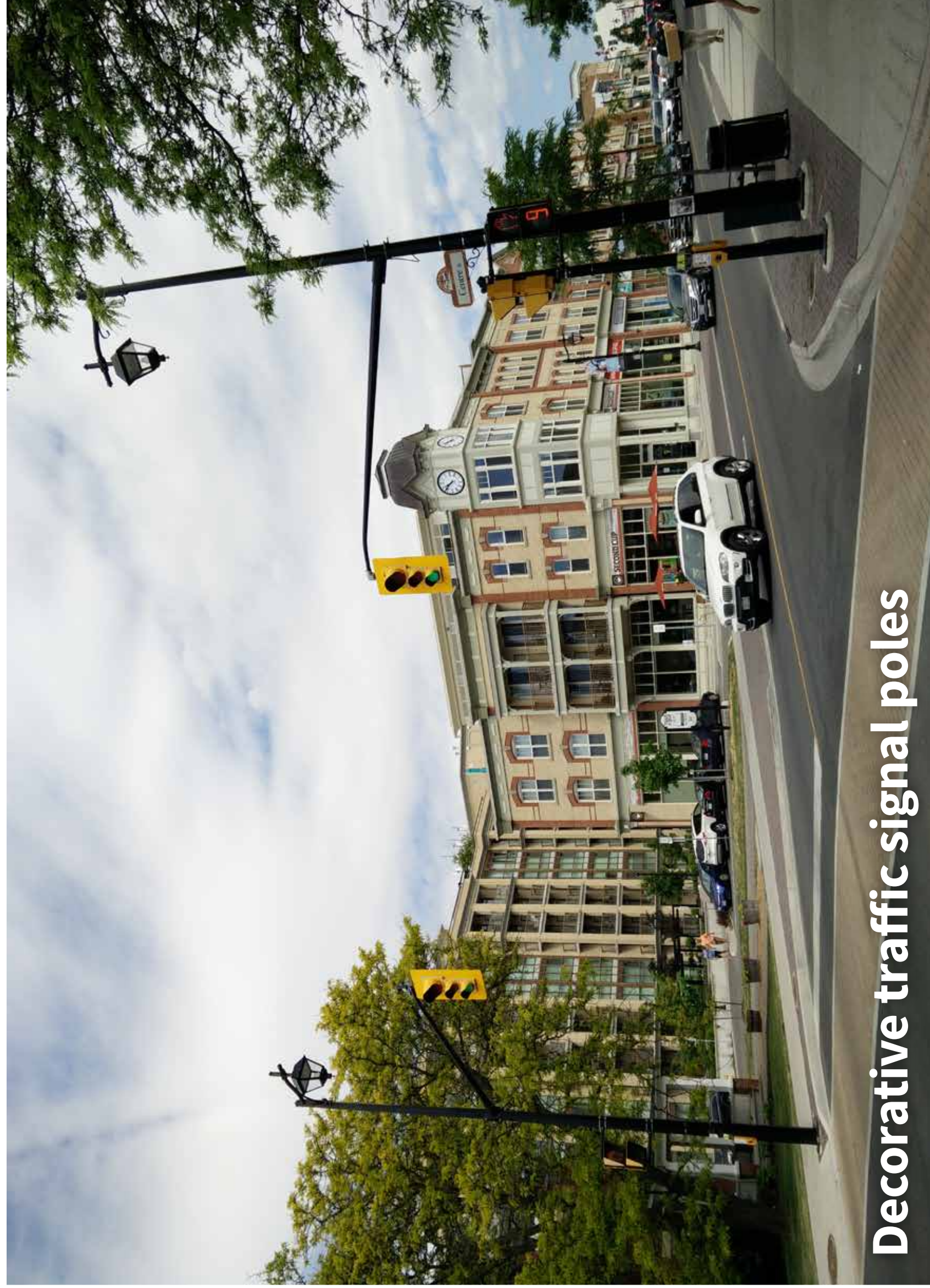
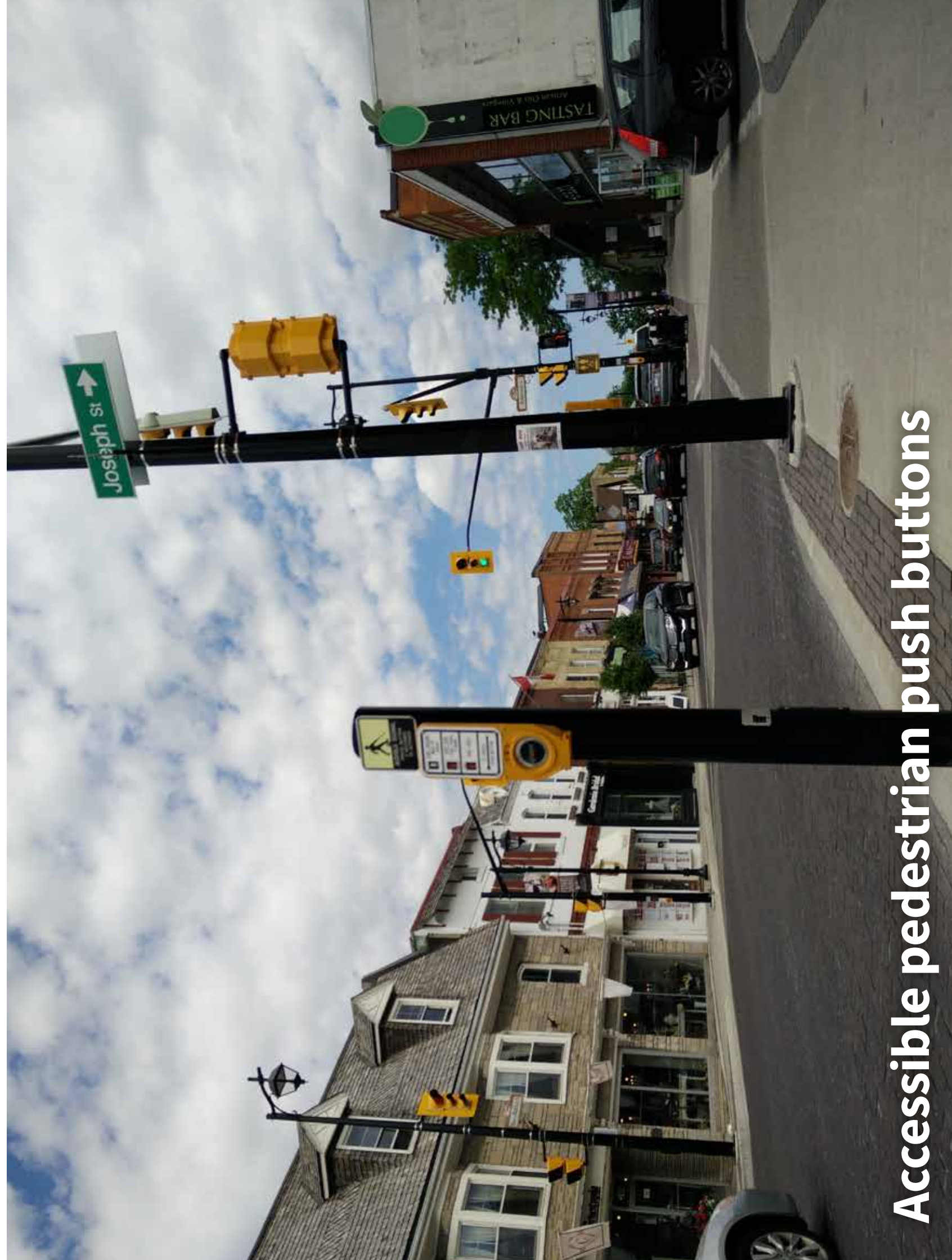
# Ninth Line / 14th Avenue **proposed**





# design elements

inspired by Main Street Markham





# speed management

