



South National Street Traffic Calming

Pillette Road to Jefferson Boulevard

December 5th, 2022 – Public Open House
4:00 PM – 8:00 PM

What is Traffic Calming?

Traffic Calming is the implementation of mainly physical measures to:

- Reduce negative effects of motor vehicle use
- Alter driver behaviour
- Improve conditions for non-motorized street users



The objective of Traffic Calming are to:

- Reduce vehicle speeds
- Reduce cut-through traffic volume
- Reduce the number and severity of collisions
- Improve the neighbourhood environment

Background on South National Street

The speeding on South National Street from Pillette Road to Jefferson Boulevard were the original concerns.

The City reviewed the volume, speed, and other data such as collisions and general demographic of the area to determine that South National Street qualified for traffic calming measures.



South National Street at Westminster Boulevard (looking East)



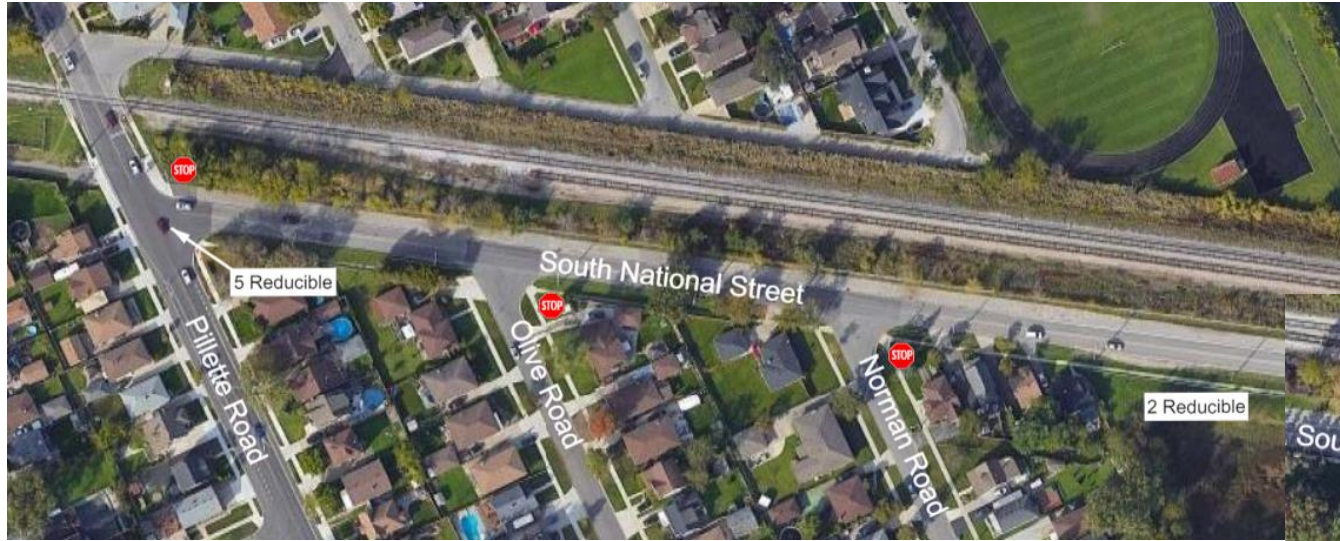
South National Street West of Jefferson Boulevard (looking East)



South National Street (looking West)

South National Street - Collisions Data (2015-2019)

Pillette Road to Norman Road



At Jefferson Boulevard



Polonia Park Place to Ford Boulevard



South National Street - Speed & Volume Data

Vehicles Per Day	Speed Limit	85 th Percentile Speed
11,573	50 km/h	67.0 km/h

South National Street – Cut Through Traffic

Based on our analysis we have found that 37% of the traffic volume is cut through traffic.



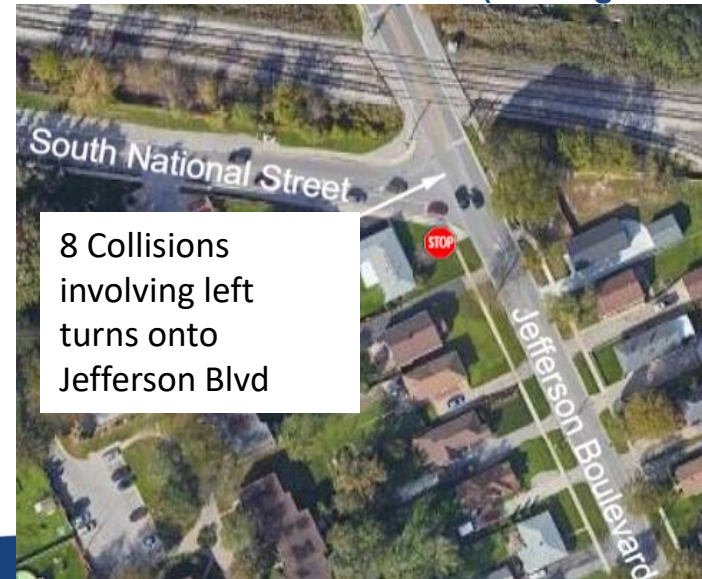
- To reduce speed and traffic volume the city is proposing to add **speed tables** from Pillette Road to Jefferson Boulevard along with **traffic calming curbs and planters**.

South National Street at Jefferson Boulevard

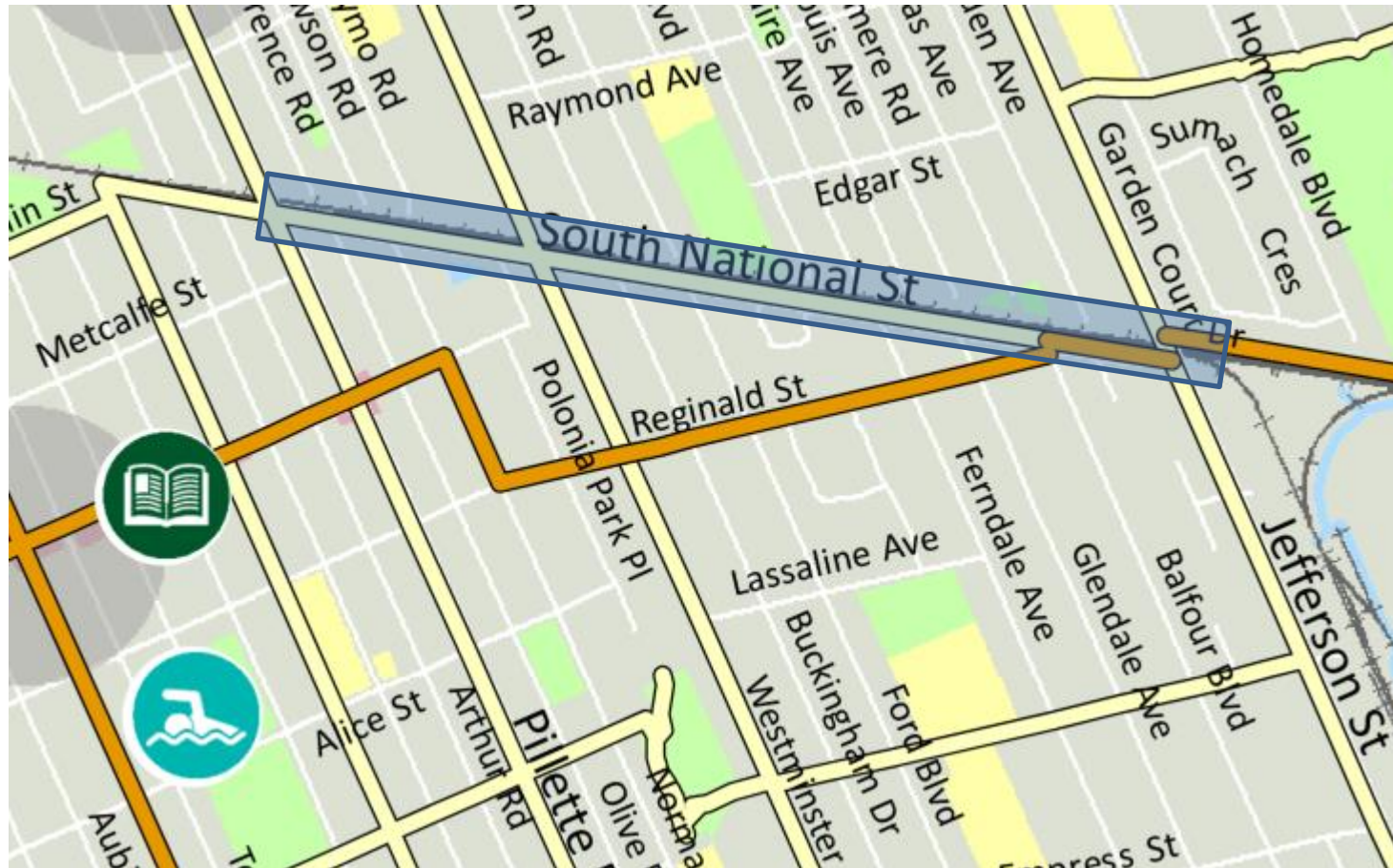
- A sight line review was completed at the intersection of South National Street and Jefferson Boulevard. As a result the city improved the grade of the road on Jefferson Boulevard in 2016.
- However, our current data suggests that the sight line issues are still present and has resulted in a number of left turn collisions.



South National Street at Jefferson Boulevard
(looking North)



South National Street - Active Transportation



- Study Area
- Downtown Grid
- Regional Spine
- Connector

South National Street - Active Transportation

As shown in the active transportation master plan, there are two locations where future cycling facilities are crossing South National Street.

- Westminster Avenue (including a future rail crossing for pedestrians and cyclists)
- Reginald Street / Balfour Boulevard

The city has taken this into consideration and has proposed for a **pedestrian crossover** at Westminster Avenue and an **uncontrolled cross-walk for cyclist only** at Balfour Avenue.

South National Street – Key Issues

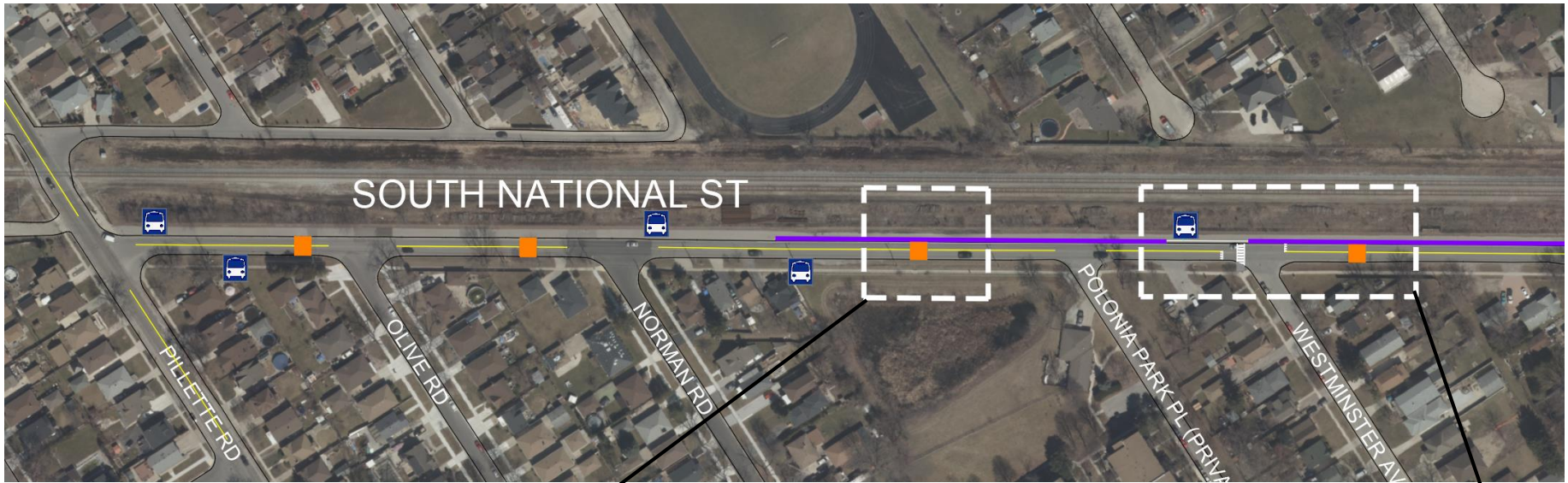
- Based on the review, the study team identified the following key issues to be addressed with the traffic calming plan:
 - Left turn collisions at Jefferson Boulevard & South National Street
 - Speeds on South National Street
 - Cut-through traffic on South National Street

South National Street - Proposed Concepts



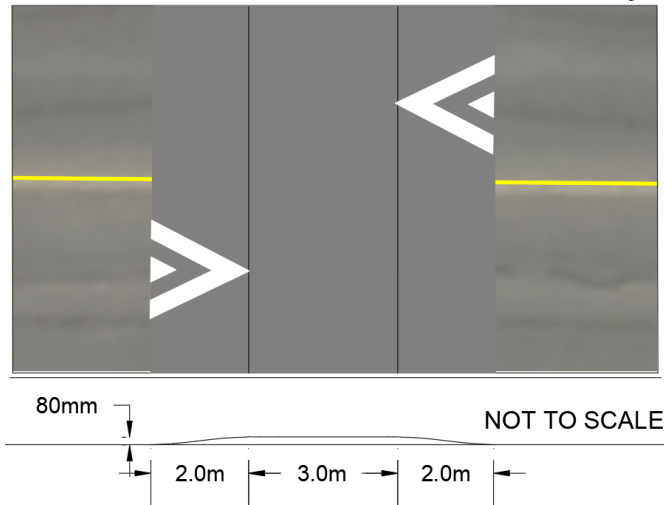
- Adding **speed tables** from Pillette Road to Jefferson Boulevard
- Adding a **pedestrian crossover (PXO)** at Westminster Avenue
- Adding an **uncontrolled crossroad** for cyclists only at Balfour Boulevard
- Adding a **1m buffered lane with planters** and **traffic calming curbs** from Norman Road to Jefferson Boulevard.
- Adding a **median** to remove **left turns** at Jefferson Boulevard
- The estimated construction cost is approximately \$ 517,018.86

South National Street – Pillette Rd to Westminster Ave (Section 1)



1m BUFFER WITH TRAFFIC CALMING CURBS; PLANTERS AT INTERSECTION

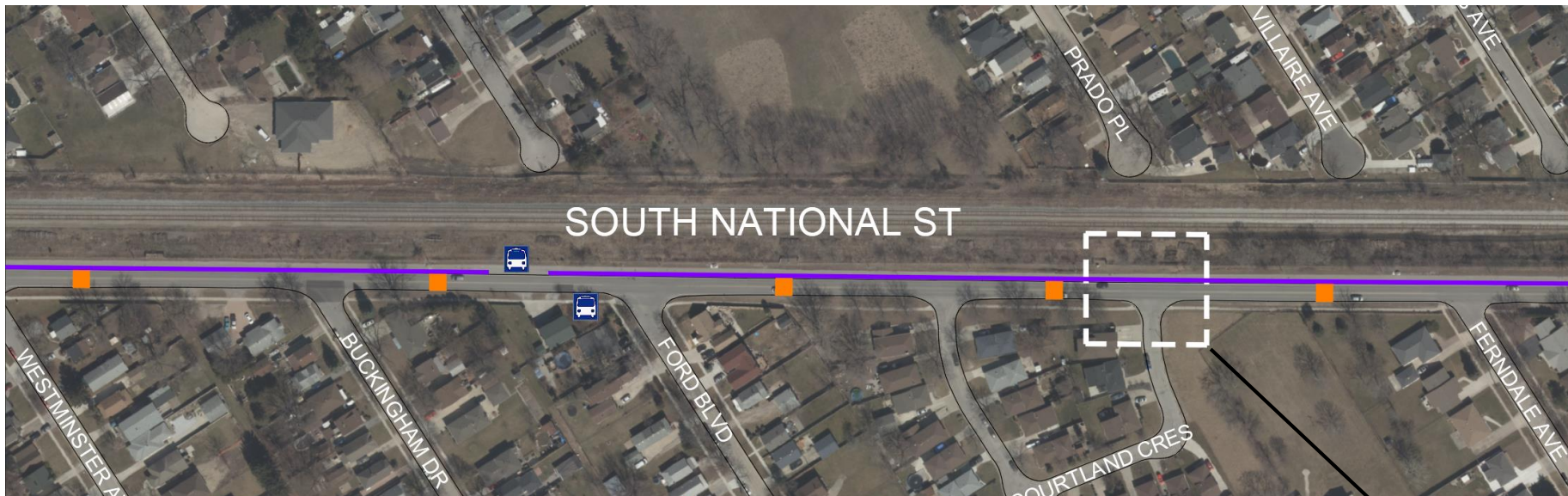
Speed Table



Pedestrian Crossover at Westminster Ave

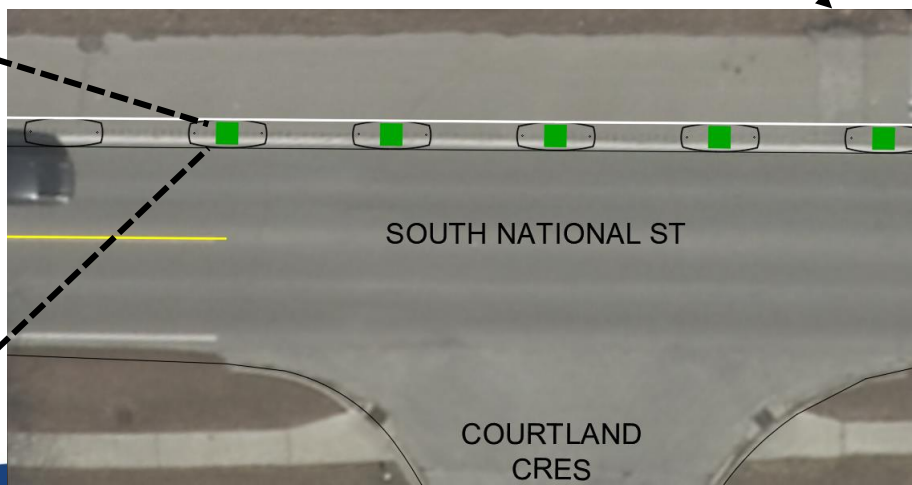


South National Street – Westminster Ave to Ferndale Ave (Section 2)



1m BUFFER WITH TRAFFIC CALMING CURBS; PLANTERS AT INTERSECTION

Traffic Calming Curbs with Planters

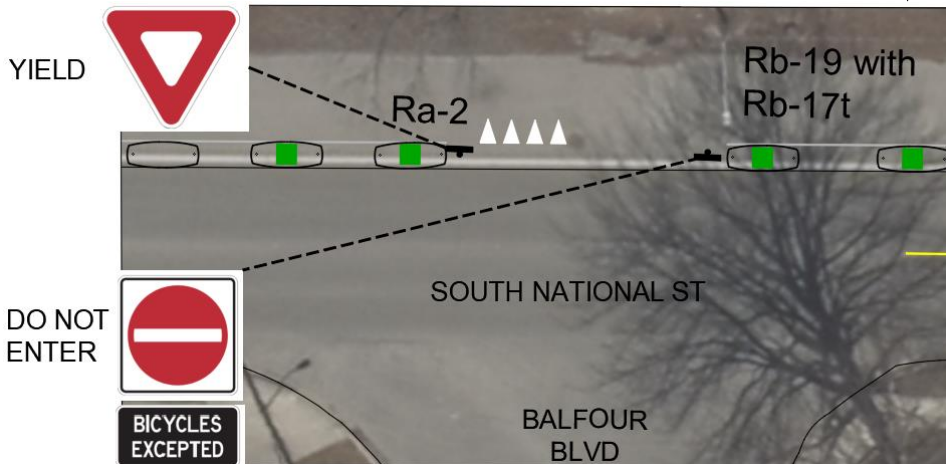


South National Street – Ferndale Ave to Jefferson Blvd (Section 3)



1m BUFFER WITH TRAFFIC CALMING CURBS; PLANTERS AT INTERSECTION

Uncontrolled Crossing for Cyclist at Balfour Blvd



Median at Jefferson Blvd



South National Street – Next Steps

Review feedback from residents and stakeholders

Please provide feedback by January 9, 2023

Finalize the Traffic Calming Plan

Resident Approval Survey

Report to Environment, Transportation and Public Safety Standing Committee

Council Approval

Thank You!



South National Street Traffic Calming

Pillette Road to Jefferson Boulevard

Please provide comments by January 9th, 2023

<https://tiny.one/southnationalsurvey>

