



# Innisfil Traffic Calming Project Public Open House #2

December 12, 2022

## 2 Welcome and Introductions



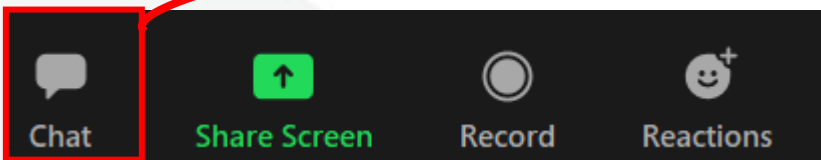
- Carolina Cautillo  
Capital Planning Engineering  
Associate
- Jessica Jenkins,  
Capital Engineering Leader
- Leo DeLoyde, Director of  
Growth



- Greg Kent, P.Eng.  
Project Manager
- Peter Lougheed, PhD, P.Eng.  
Project Engineer
- Yassine Bennani, EIT  
Technical Specialist
- Jean-Louis Gaudet  
Stakeholder Consultation

# Agenda Review

1. Traffic Calming in Innisfil
2. Innisfil Traffic Calming Project: Approach
3. Pilot Projects
4. Innisfil Traffic Calming Project: Outcomes
5. Next Steps
6. Question and Answer Session



To: Questions? (Direct Message)

Type message here...



# What is Traffic Calming?

- A combination of mainly physical measures to:
  - Reduce the negative effects of motor vehicle use
  - Alter driver behavior
  - Improve conditions for vulnerable street users (e.g., pedestrians, cyclists)

## Key Traffic Calming Objectives

Slow down  
motor vehicles

Increase safety  
for vulnerable  
users

Enhance  
the street  
environment

Increase access  
for all  
traffic modes

Reduce collision  
frequency and  
severity

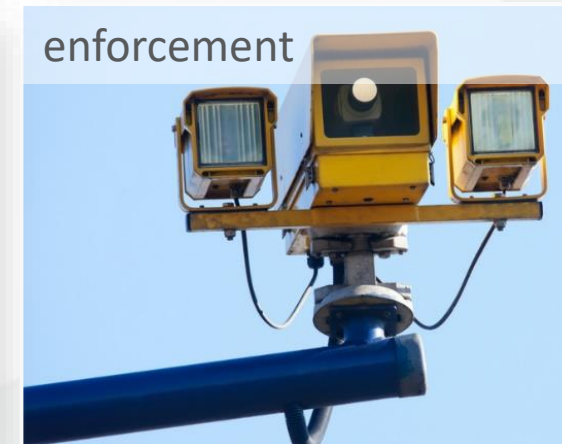
Reduce need  
for police  
enforcement

Reduce cut-  
through motor  
vehicle traffic



# What is Traffic Calming?

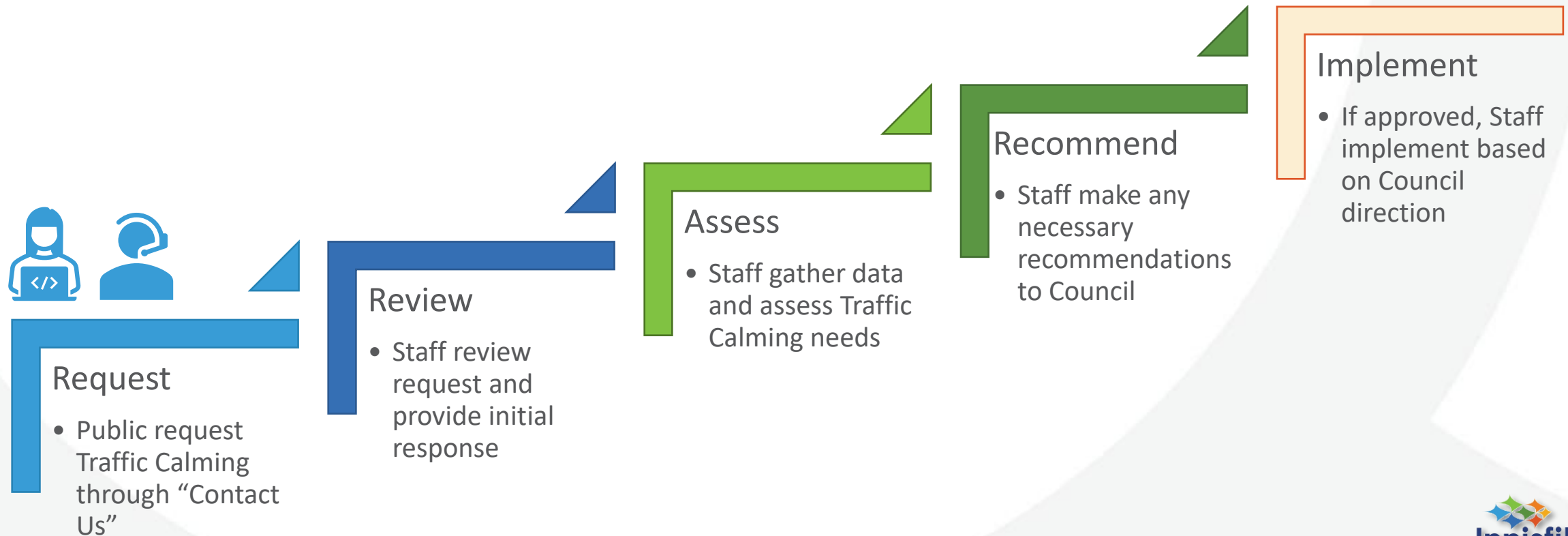
## Examples of Traffic Calming Measures



&  
many  
more!

# Innisfil's Current Traffic Calming Process

## Initiated by a request or complaint



Proactive Traffic Calming Measures also implemented by Town (e.g., radar speed sign, warning camera placement)

# Innisfil Traffic Calming Project: Goals

## Improve community safety for those living in and visiting the Town

- Develop a 10-year traffic calming strategy.
- Review and recommend updates to the Town's traffic-related policies.
- Prepare Traffic Calming Design Guide that includes:
  - A blend of the best proven techniques;
  - New forward-thinking technologies; and
  - Implementation strategies to address the community's needs.



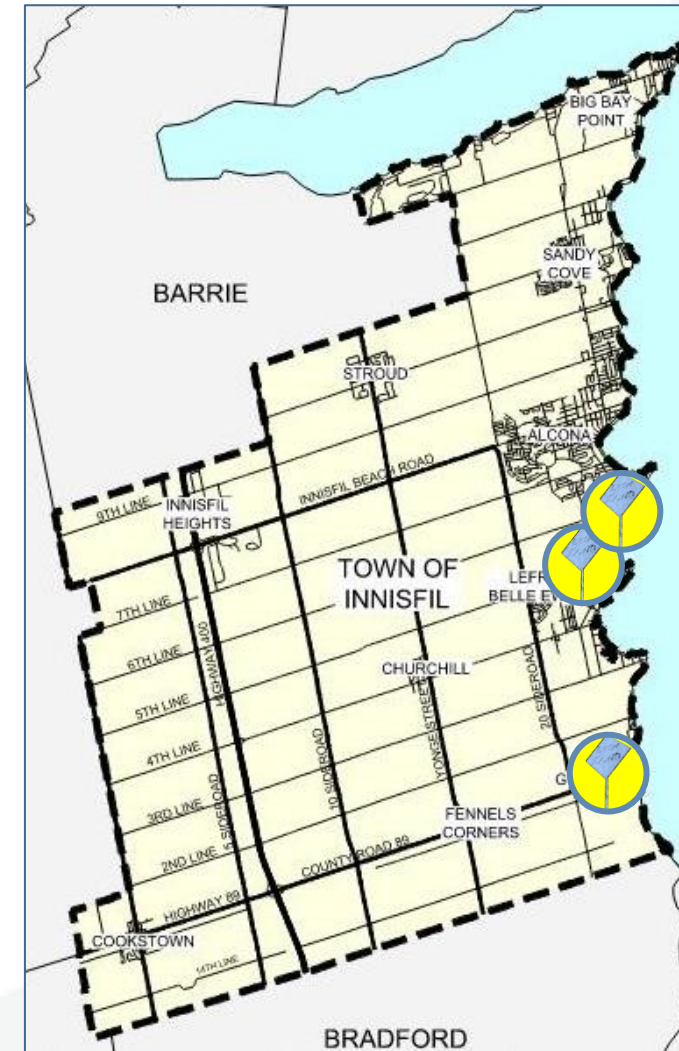
# Innisfil Traffic Calming Project: Approach





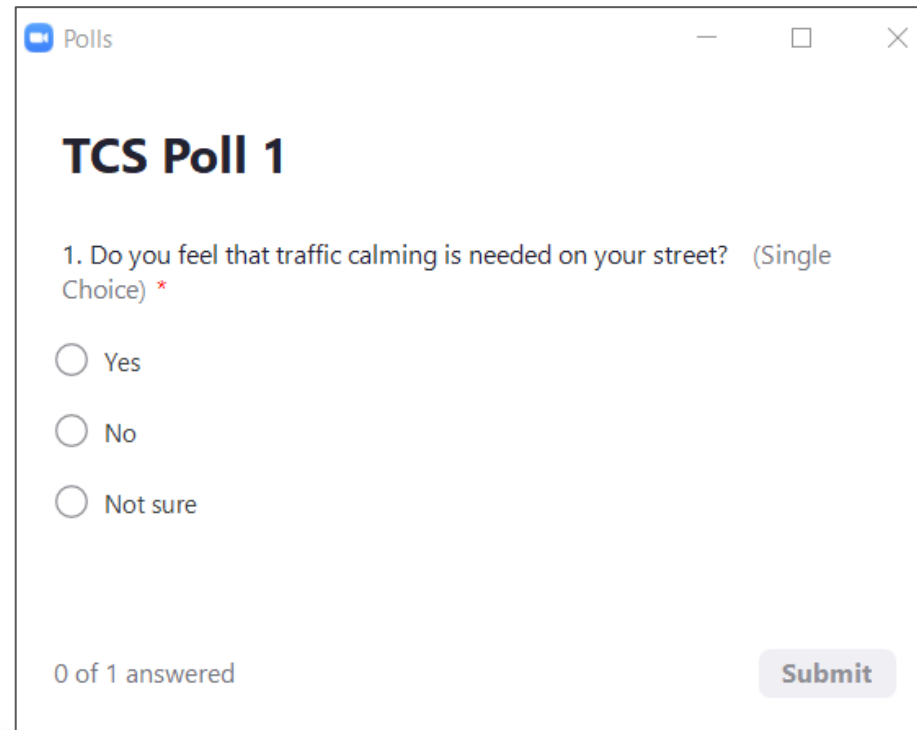

# Traffic Calming Pilot Projects

- Pilot projects conducted from August 26<sup>th</sup> to October 11<sup>th</sup>, 2022.
- Held in three locations:
  - Shore Acres Drive  
(20th Sideroad to Everton Drive)
  - Belle Aire Beach Road  
(Maple Rd to Willow Street)
  - Maple Road  
(Belle Aire Beach Road to 6th Line)
- Tested a variety of Traffic Calming Measures



# Poll Time!

- Poll will appear in centre of your screen.
- Your individual results cannot be seen by others.
- You can only vote once per question.



The screenshot shows a web browser window titled 'Polls'. The main heading is 'TCS Poll 1'. Below it is a question: '1. Do you feel that traffic calming is needed on your street? (Single Choice) \*'. There are three radio button options: 'Yes', 'No', and 'Not sure'. At the bottom left of the poll window, it says '0 of 1 answered'. At the bottom right, there is a 'Submit' button. A large black arrow points from the 'Submit' button towards the right side of the slide.

# Poll Time!



# #1

# Poll Time!

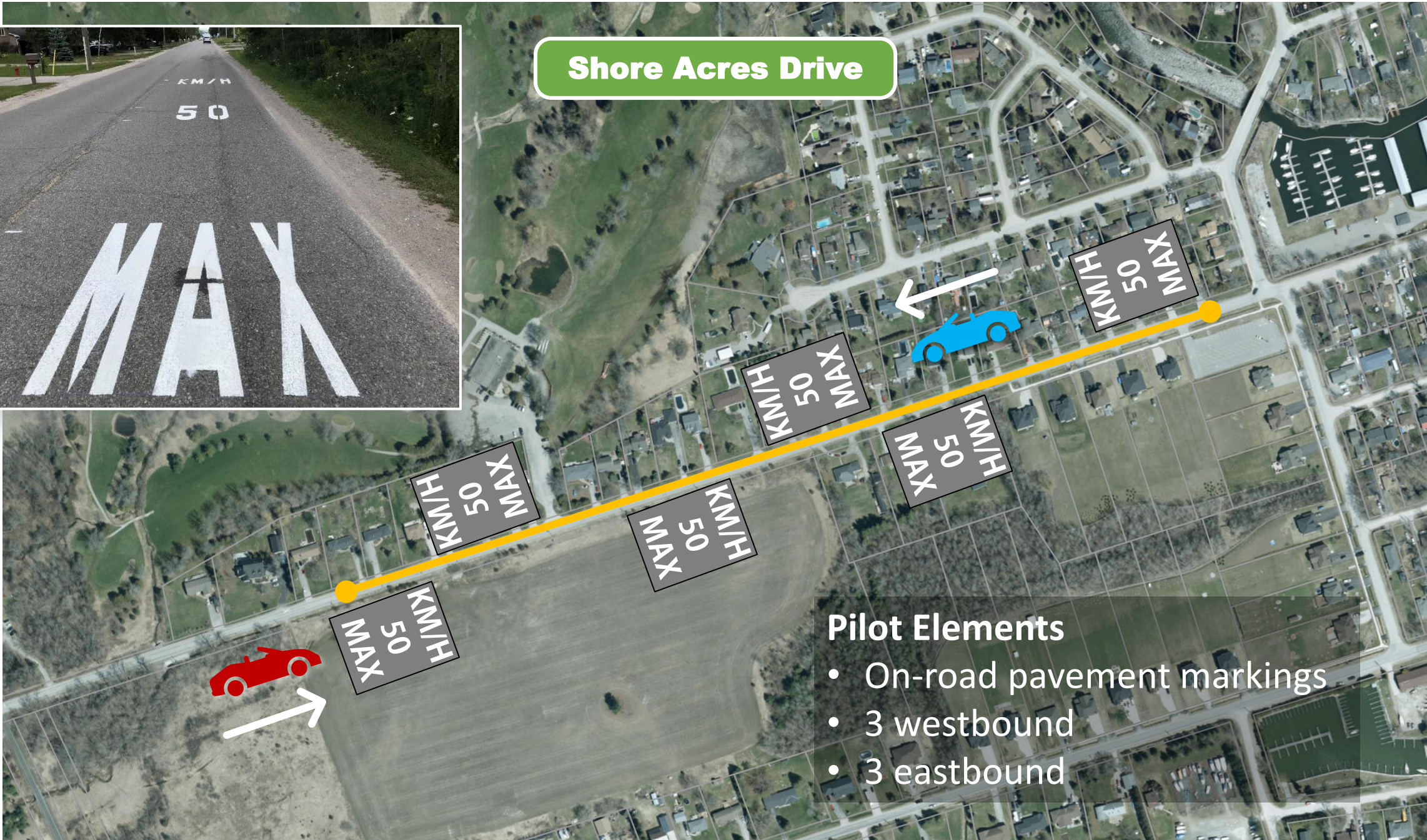


# #2





## Shore Acres Drive



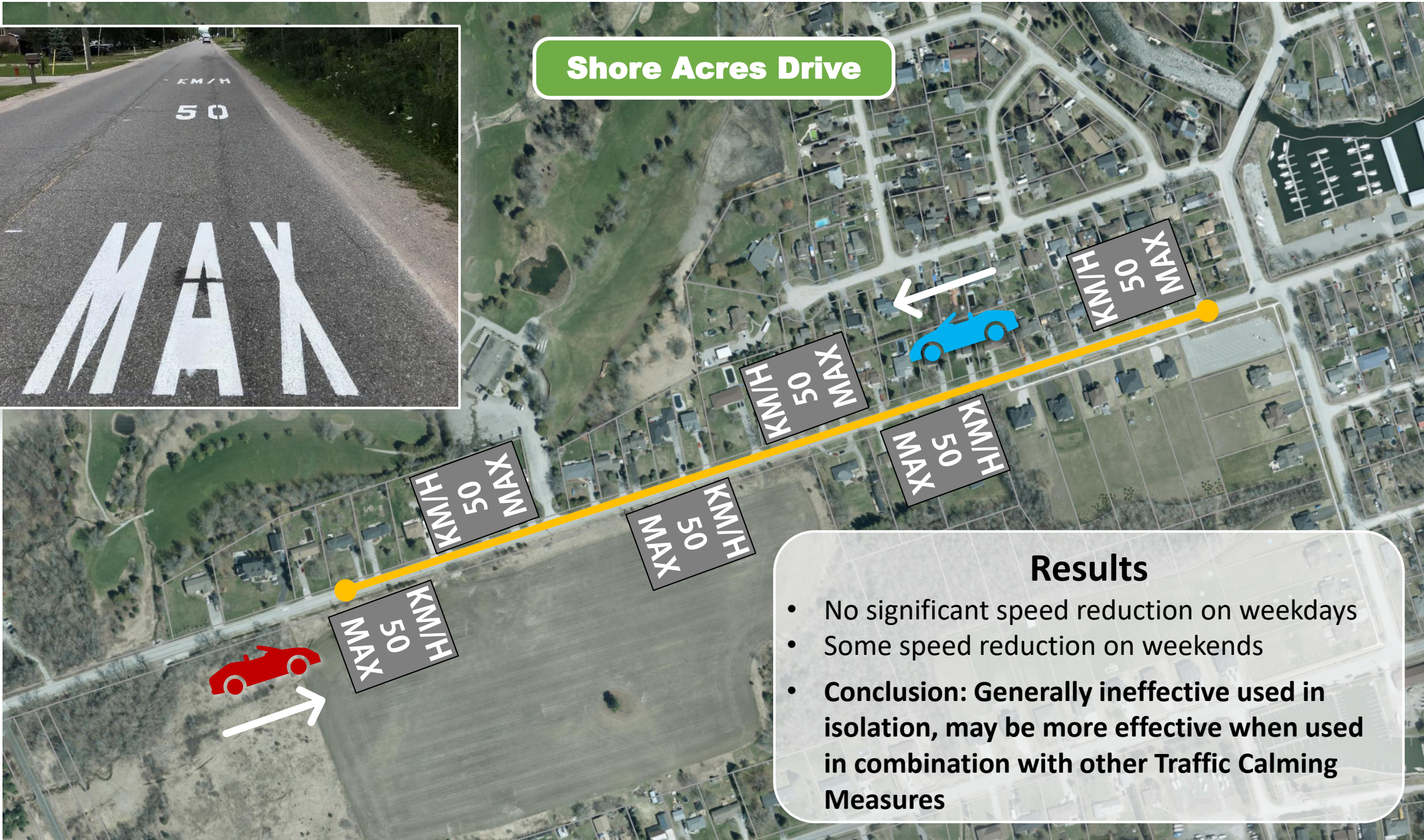
### Pilot Elements

- On-road pavement markings
- 3 westbound
- 3 eastbound





## Shore Acres Drive



### Results

- No significant speed reduction on weekdays
- Some speed reduction on weekends
- **Conclusion: Generally ineffective used in isolation, may be more effective when used in combination with other Traffic Calming Measures**



## Belle Aire Beach Road



### Pilot Elements

- Chicanes (repetitive horizontal deflection)
- Planters and barrier curbs



## Belle Aire Beach Road



## Results

- Minimal speed reduction on weekdays & weekends
- **Conclusion: Would be more effective with different roadway and chicane geometry.**



## Belle Aire Beach Road



## Results

- Minimal speed reduction on weekdays & weekends
- **Conclusion: Would be more effective with different roadway and chicane geometry.**





## Maple Road

### Pilot Elements

- Lane narrowing along full length (~750 m)
- Shared bike/pedestrian lane with flexible delineator
- Double centreline with flexible centreline delineator
- Speed cushions at each end
- Raised crosswalk ("PXO Crossing")



## Maple Road



- Speed cushions at each end of Pilot section
- Shared bike/pedestrian lane with flexible delineator

- Lane narrowing (~750 m)
- Double centrelines
- Flexible delineators
- Greater Lane Separation

- Formalized pedestrian crossing
- Raised crosswalk





## Maple Road

### Results

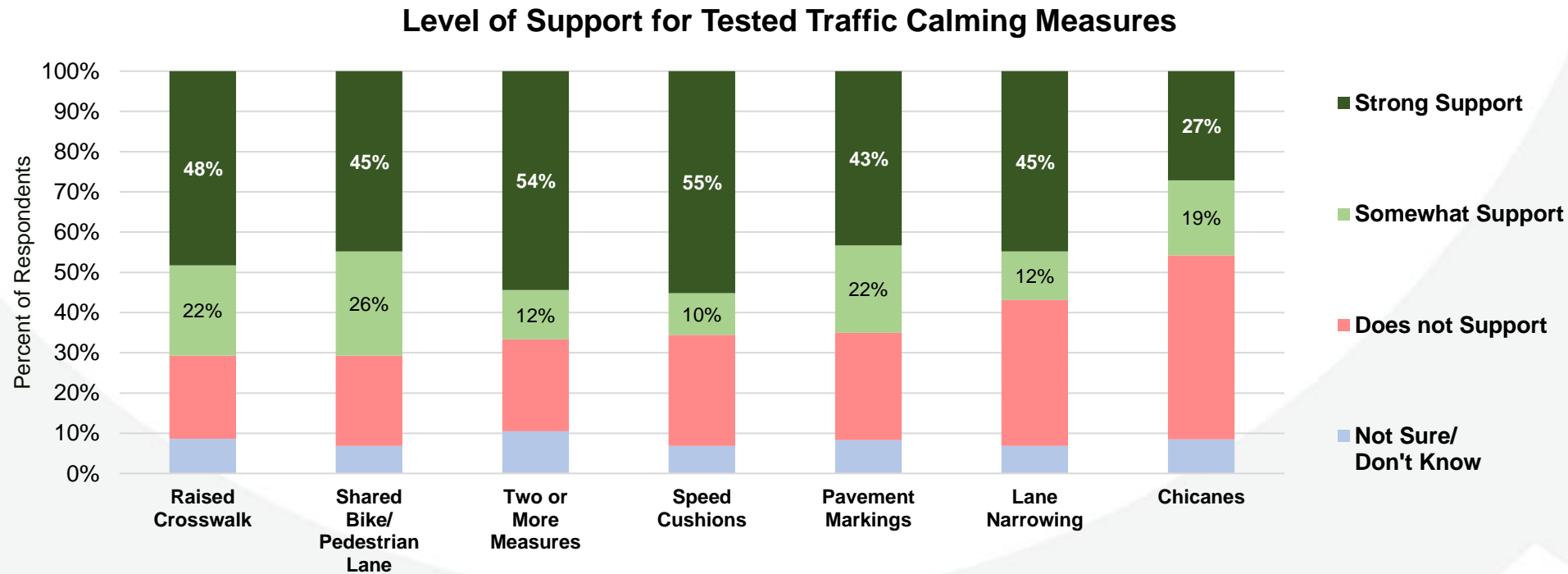
- Significant reduction of speeds
- Raised Crosswalk in addition to delineators provided increased safety for active road users
- **Conclusion: Combination of different Traffic Calming Measures found to be significantly effective at slowing traffic**



# Traffic Calming Pilot Projects

- Online survey

- Raised crosswalk, bike/pedestrian lane with delineators had greatest support
- Chicanes had least support



## Traffic Calming Pilot Projects: Findings

- Traffic Calming Measures (TCM) can be effective when properly chosen and deployed.
- Pilot successfully identified effectiveness of various TCMs.
- Results of the overall project (including Pilot) provide guidance for more proactive future implementations of TCM.
- Will guide updates to Town's current TCM policy.
- Overall, Study results support Town's desire for a more responsive and proactive TCM Policy.



# Innisfil Traffic Calming Project: Outcomes

## Main Outcomes

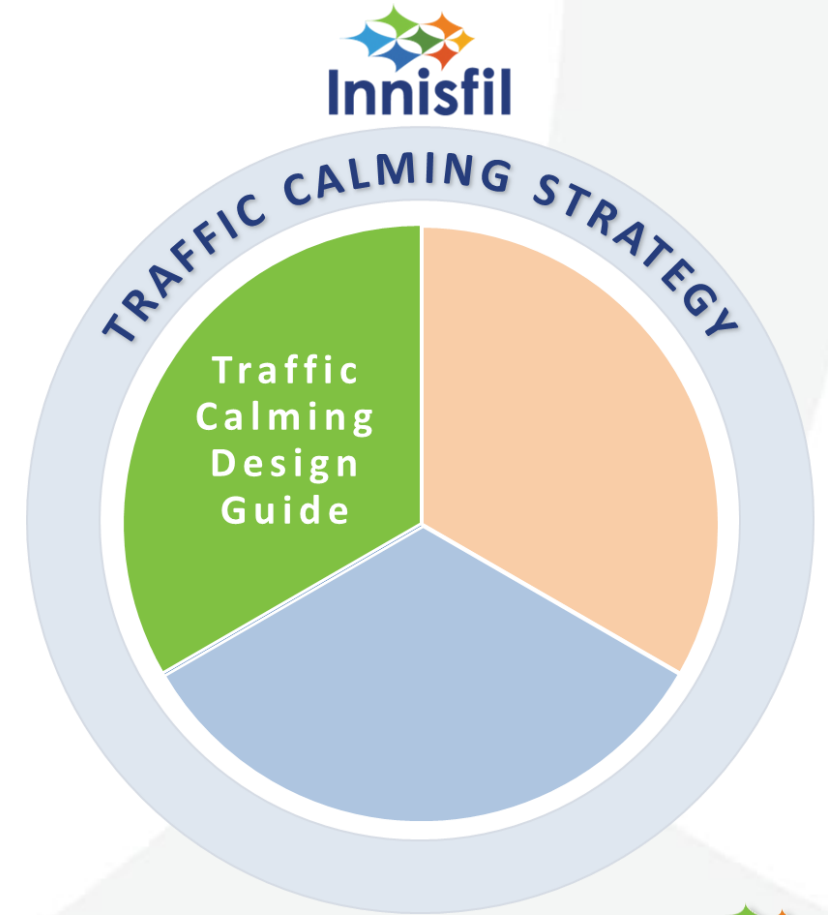
- Traffic Calming Design Guide
- 10-Year Traffic Calming Program
- Updates to Traffic Calming Policy



# Innisfil Traffic Calming Project: Outcomes

## Traffic Calming Design Guide

- Provides guidelines for the review and decision-making process of traffic calming requests
- Consideration of traffic calming in new developments
- Document provides a toolbox of applicable TCMs to the Town of Innisfil





# Innisfil Traffic Calming Project: Outcomes

## 10-Year Traffic Calming Program

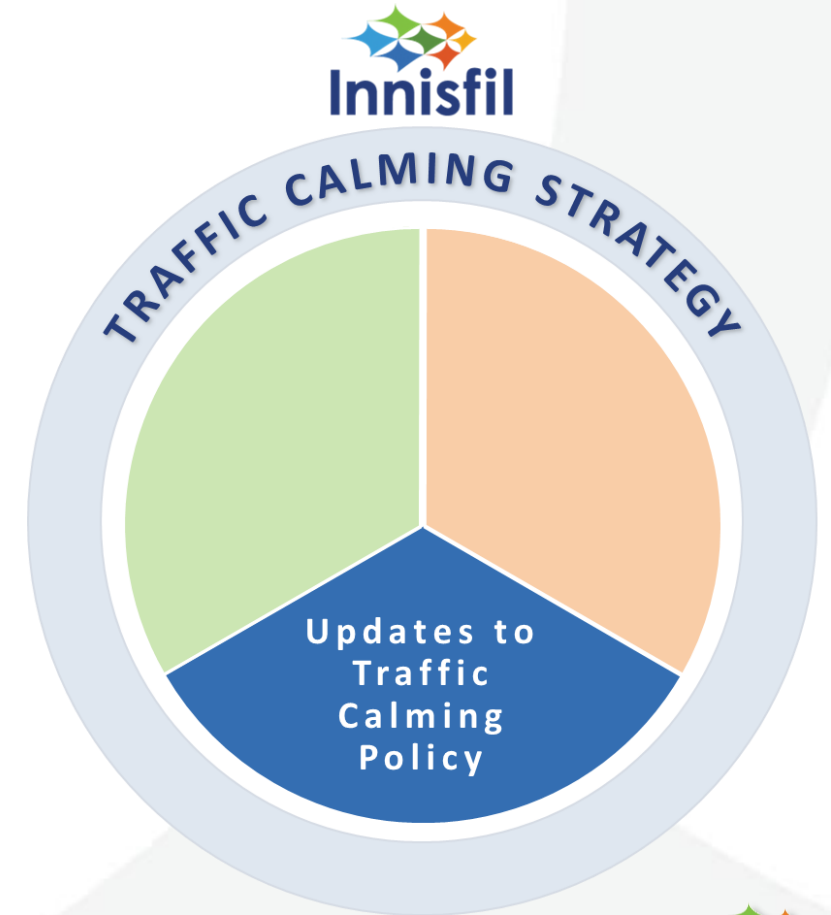
- Proactive approach to implementing Traffic Calming Measures based on data analysis and an updated warrant system
- Provides a process for prioritizing warranted locations
- Process involves updating location prioritization annually based on available data
- About 15 locations to be implemented over the next three years (pending Council approval and funding)



# Innisfil Traffic Calming Project: Outcomes

## Updates to Traffic Calming Policy

- Current policy: Developed as part of 2018 Transportation Master Plan Update
- Strategy will include recommended updates based on:
  - Traffic Calming Design Guide
  - 10-Year Program
  - Best Practices
  - Pilot Studies



# Traffic Calming in Innisfil: Future Program

- Future traffic program includes twinned approaches for implementing Traffic Calming in Innisfil:
  - Request-based approach
  - Proactive, data-driven approach (10-year program)
- Both will be supported by the Traffic Calming Design Guide and updates to the Traffic Calming Policy



# Poll Time!



**#3**

## Next Steps

- Finalize Design Guide, 10-Year Traffic Calming Program
- Technical Advisory Committee Meeting #4 (February 2023)
  - Discussion of Final Report
- Guidance for updating Traffic Calming Policy



## Traffic Calming in Innisfil



# QUESTIONS?

# Thank you!

Please provide your  
feedback and comments  
to Yassine Bennani  
by Friday, Dec. 30, 2022  
[yassine.bennani@exp.com](mailto:yassine.bennani@exp.com)