

# City of Vaughan: Rural Corridors

## King-Vaughan Road

### Traffic & Safety Corridor Review



# Project Purpose



- ▶ **As part of the MoveSmart Mobility Management Strategy, the City of Vaughan is furthering its commitment to road safety by conducting six In-Service Road Safety and Corridor Operational Reviews (Corridor Reviews: 3 rural and 3 urban corridors).**
- ▶ **The Corridor Reviews will examine the current and future transportation planning and mobility infrastructure needs for six corridors across Vaughan.**
- ▶ **By assessing traffic operations in these areas, the City can identify additional road safety opportunities for pedestrians, cyclists, and transit and vehicular road users to better serve all modes of transportation.**
- ▶ **These reviews will enable City staff to make recommendations on short- and long-term implementation plans to address any areas of improvement identified in these areas.**

## What is a Corridor?

A corridor refers to a linear road and its associated land uses.

This can include a main roadway and any sidewalks, bike lanes, greenspace and/or bus stops located along that roadway.



Employee-owned | Client-centric | Solution-focused



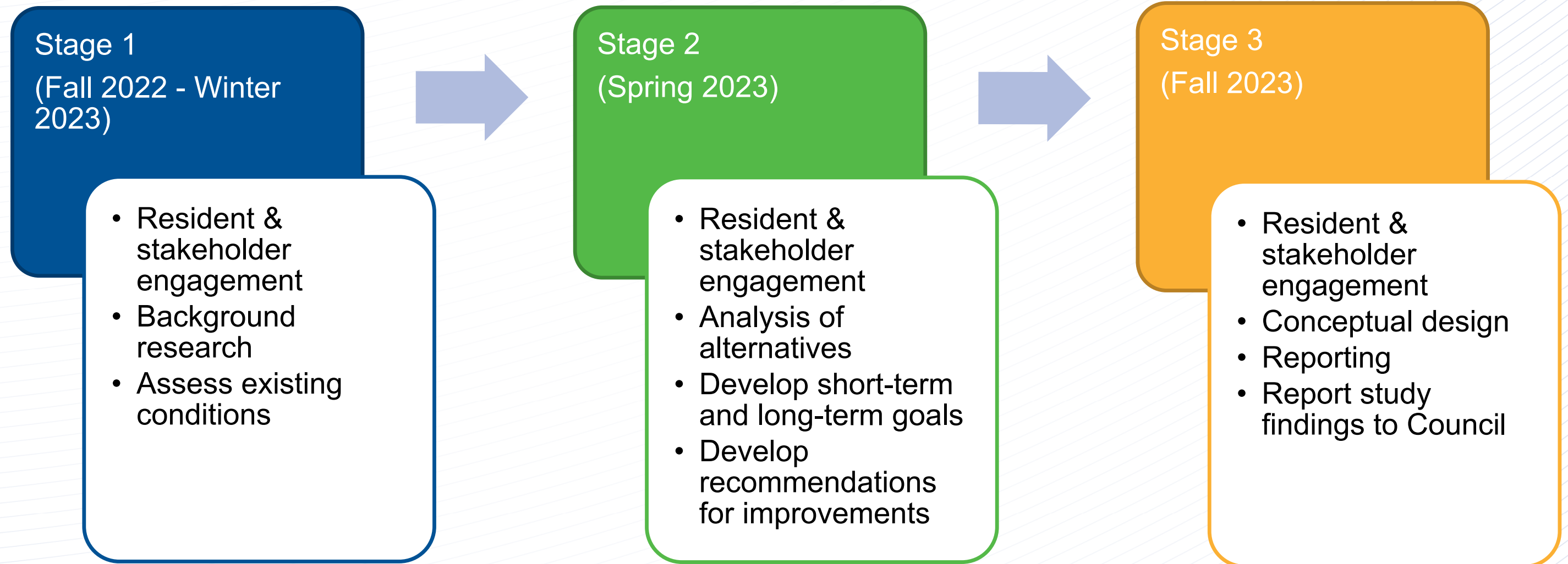


# Project Components



- ▶ **Identify existing and future transportation needs, including when traffic control measures changes are required (including pedestrian facilities, cycling crossings, stop signs, traffic signals etc.)**
- ▶ **Address the existing and future multi-modal transportation needs for the corridor, which should balance the demand and needs of all modes of transportation**
- ▶ **Address area resident interests concerning traffic operations, traffic safety, operating speeds, pedestrian and cycling safety**
- ▶ **Identify opportunities for transportation improvements to address identified areas and interests**

# Project Schedule



# Project Schedule



**Project Start**  
September 2022

**Background Research and Existing Conditions**  
October – December 2022

**Resident and Stakeholder Engagement Session #1**  
January 2023

**Stage 1**



# Project Schedule



**Identification of Alternatives**  
February – March 2023

**Resident and Stakeholder Engagement Session #2**  
Early Spring 2023

**Development of Recommendations**  
Early Spring 2023

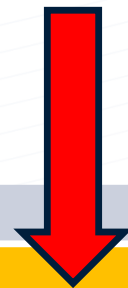
**Conceptual Design**  
Spring 2023

## Stage 2

# Project Schedule



**We Are Here**



**Resident and Stakeholder  
On-Line Review**

**Project Completion  
Q3 2024**



**Stage 3**

# Work Completed



To date, we have completed the following:

- ▶ **Background Research and Existing Conditions**
  - Field Observations
  - Traffic Data Collection
  - Intersection Analysis
  - Corridor Assessments
  - Collision Review
- ▶ **Stakeholder/Agency/Councilor Engagement Round 1 – January 2023**
- ▶ **Identification of Issues and Alternatives**
- ▶ **Stakeholder/Agency/Councilor Engagement Round 2 – April 2023**
- ▶ **Development of Conceptual Designs**



# King-Vaughan Road between Albion-Vaughan Road and Cold Creek Road, and between Concession 10 and Pine Valley Drive



### Recommended Measures

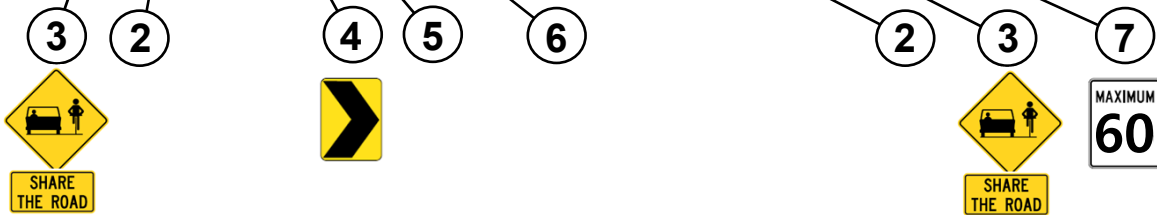
1. Speed limits stenciled on roadway surface
2. Optical speed bars to slow vehicle operating speeds
3. Provision of Wc-19 and accompanying Wc-19t signage to better accommodate cyclists
4. Address vegetation that obstructs sight lines. Mitigate obstructions that are present inside of the curve
5. Replacement of failing Wa-33L signage
6. Chevron alignment signage visibility enhancement via provision of solar powered flashing LED's on signage posts





### Recommended Measures

1. Speed limits stenciled on roadway surface
2. Optical speed bars to slow vehicle operating speeds
3. Provision of Wc-19 and accompanying Wc-19t signage to better accommodate cyclists (westbound and southbound directions approaching curve)
4. Provision of Wa-9 signage (westbound direction)
5. Chevron alignment signage visibility enhancement via provision of solar powered flashing LED's on signage posts
6. Address vegetation that obstructs sight lines. Mitigate obstructions that are present inside of the curve
7. Replacement of failing Rb-1 signage (60 km/h)







**Recommended Measures**

1. Optical speed bars to slow vehicle operating speeds
2. Provision of Wc-19 and accompanying Wc-19t signage to better accommodate cyclists
3. Address vegetation that obstructs sight lines. Mitigate obstructions that are present inside of the curve
4. Chevron alignment signage visibility enhancement via provision of solar powered flashing LED's on signage posts
5. Replacement of failing Wa-33L signage (Replacement per City inventory review)
6. Replacement of failing Wa-33R signage (Replacement per City inventory review)
7. Replacement of missing Wa-7t signage
8. Provision of Wa-9 signage (eastbound direction)
9. Provision of white edge of pavement markings between Highway 27 and Kipling Avenue if sufficient roadway width available
10. No immediate plans for repaving. When the corridor is to be repaved, consider opportunities to widen and pave shoulders for cyclist/pedestrian usage





### Recommended Measures

1. Provision of Wa-6 signage (westbound direction)
2. Provision of Wc-19 and accompanying Wc-19t signage to better accommodate cyclists
3. Provision of Wa-9 signage (eastbound and westbound directions)
4. Chevron alignment signage visibility enhancement via provision of solar powered flashing LED's on signage posts
5. Address vegetation that obstructs sight lines. Mitigate obstructions that are present inside of the curve
6. Optical speed bars to slow vehicle operating speeds
7. Speed limits stenciled on roadway surface





# Other Treatments



- ▶ **When pavement resurfacing is planned, consider opportunities to widen and pave shoulders for rural / non-urbanized cross-section for cyclists and pedestrians**
- ▶ **Speed limit signage with radar-actuated LEDs around the sign boarder**
- ▶ **Passive Traffic Calming Measures**
  - Education, awareness, and enforcement
  - Radar Speed Boards: To educate and raise awareness of motorist travel speed to improve road safety
  - Promotion of the Road Watch Program. A community driven program that provides citizens with a means to report dangerous or unlawful driver behaviour such as speeding
  - #SlowDownVaughan. A social media campaign to encourage motorists to obey posted speed limits



# Next Steps



- ▶ **Finalize conceptual drawings (Date To Be Determined)**
- ▶ **Complete reports for each rural corridor**
- ▶ **Project Completion Summer 2024**
- ▶ **Implementation**
  - Signage and Pavement Marking Treatments (<18 months)

# Thank You!

## Project Website Link

<https://www.vaughan.ca/about-city-vaughan/projects-and-initiatives/transportation-projects/movesmart-mobility-management-strategy/corridor-reviews>

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City of Vaughan | Transportation and Fleet Management Services



Employee-owned | Client-centric | Solution-focused

