



Pre-Design Stakeholder Presentation

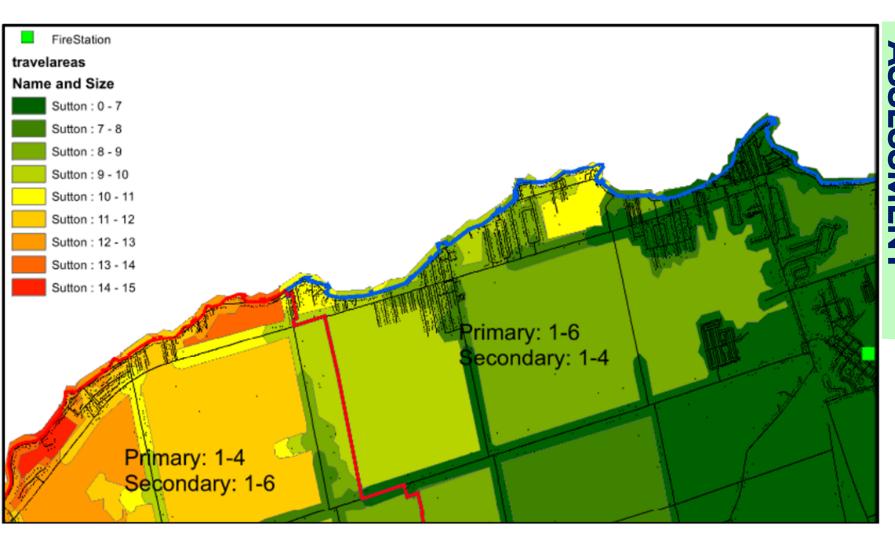


- **PROJECT OVERVIEW**
- **EMERGENCY RESPONSE**
- **DESIGN FEATURES**
- **TRANSITION ZONES**
- **CLOSING REMARKS**

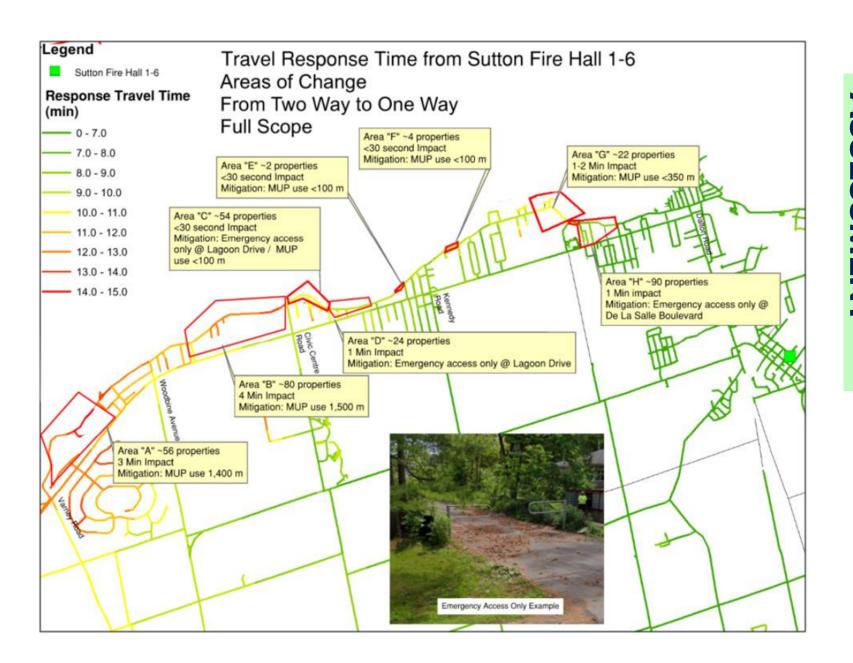
### **OVERVIEW**

Lake Drive Improvements Phase – 1 is from Varney Road to Dalton Road (~11km).





## EMERGENCY RESPONSE TRAVEL TIME ASSESSMENT



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# PROJECT LIMITS







# RECOMMENDED MITIGATIONS

### SEPARATION OPTIONS

### **CONCRETE CURBS**

Physically restrict movement across the multi-use path. Most suitable for roads with higher speed and volume.



Provides minimal deterrance from encroaching vehicles.

### **FLEX DELINEATORS**

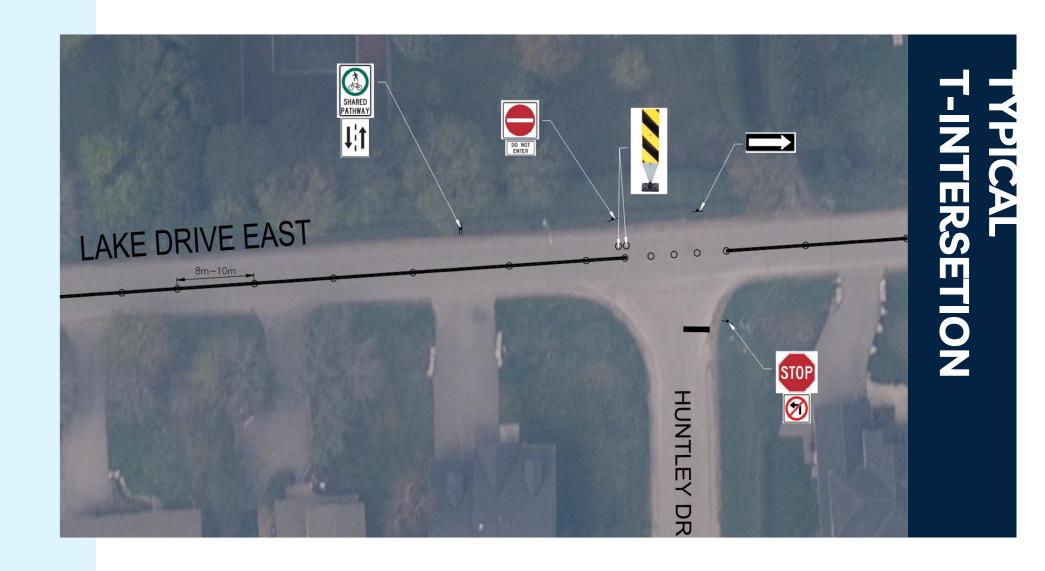
Deters vehicles from encroaching into the multi-use path while maintaining access to driveways.











# TRAFFIC CALMING CONSIDERATIONS

### **PAVEMENT MARKINGS**

Proposed alternative to speed humps (transverse bars, shark teeth, on-street messaging).

Visually direct drivers to slow down.





### **STOP SIGNS**

Proposed at three Regional road intersections to maintain drivers' awareness along the project area while still accommodating the scenic driving experience.



### **SPEED HUMPS**

Proposed at various locations in tandem with pedestrian crossing (PXO) upgrades to promote slower speeds.

### AUTOMATIC SPEED ENFORCEMENT

Being considered along Lake Drive to promote slower speeds.







### EASTBOUND ONLY VEHICLE TRAVEL

Vehicle travel restricted to 1-way only.



### **MULTI-USE PATH**

The existing westbound lane will be for cyclists and pedestrians only, for travel in both directions.



### **FLEX DELINEATORS**

Posts and pavements markings along the road centerline will delineate the boundary of the vehicle lane.



### SUMMER IMPLEMENTATION

Posts will be removed at the end of Summer (peak) season and will revert back to a 2-lane road during the off-season.

### DESIGN

### Two-way Road with Sharrows (Transition zone) One-way Road with Multi-use Path Lake Drive East Willow Wrat Dalton Road Two-way Road with Sharrows Lake Drive North Metro Road Locations of future Automated MUNICIPAL SPEED CAMERA Speed Enforcement cameras will be determined in coordination with traffic calming and design elements Legend Proposed all-way stop - x4 North Gwillimbury Park X Proposed pedestrian crossing - x6 Proposed speed hump - x8 > Existing speed hump - x12 Existing speed radar sign - x2 Existing speed reducing bollards - x1 **Lake Drive Improvements - Phase 1 Schematic of Proposed Design Elements**

# SUMMARY OF RECOMMENDED PRELMINARY DESIGN



Signage at Dalton Road and Lake Drive

Left turn only (Lake Drive to South)

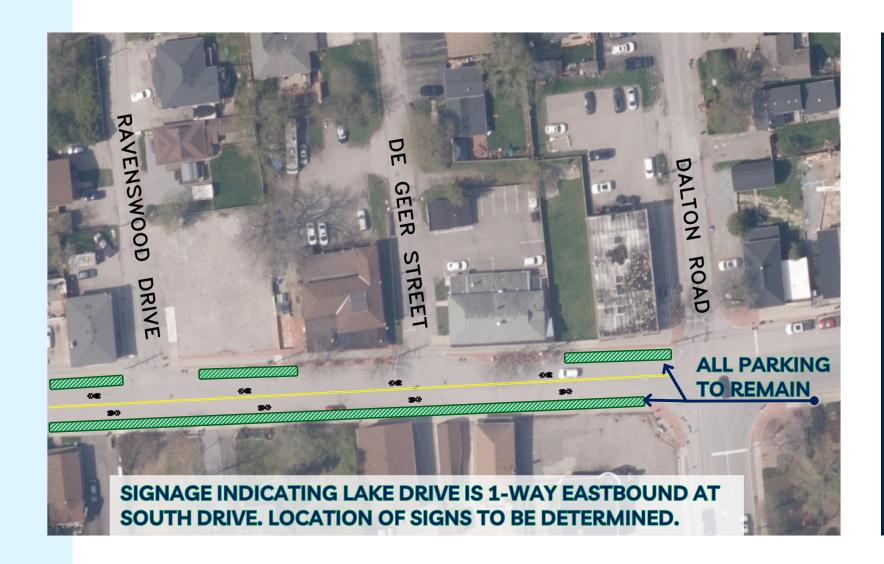
No left turns (South to

improvements if

Speed cushions

Signage: "No Access to Lake **Drive Westbound** Local Traffic Only"













Questions, comments, concerns?



