2023 Truck Bypass Camera Monitoring Pilot Project Update

November 2023

Town of Lincoln

Alignment to Council's Strategic Priorities





III. Responsible and Resilient Community

3.1 Promote a healthy & safe community

ii. Continue to develop and implement road safety initiatives such as speed reduction, traffic calming and joint truck traffic safety blitzes and enforcement initiatives

How We Got Here

- Truck traffic safety strategies are a high priority for the Town in responding to residents' concerns to help improve road safety throughout the community

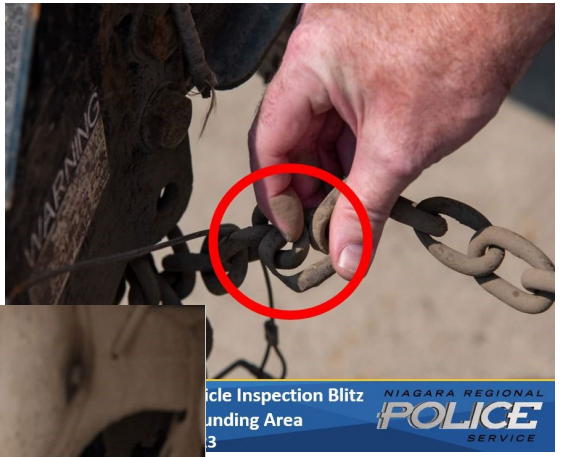
- **On April 15, 2019, Council passed a resolution regarding truck safety in Lincoln**

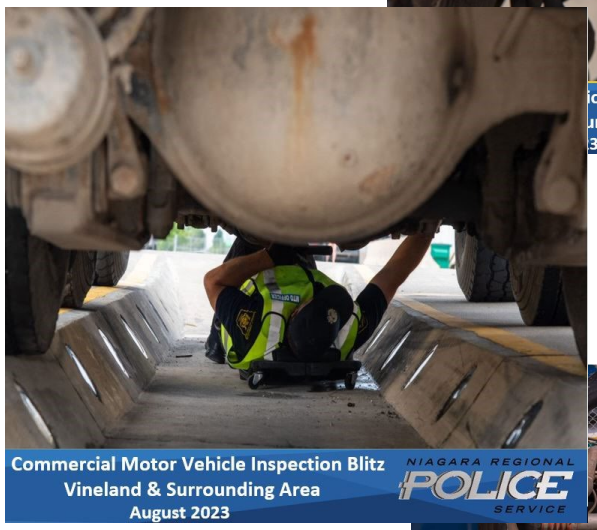
  ✓ ACTION ITEM: undertake scale/inspection station avoidance enforcement blitzes

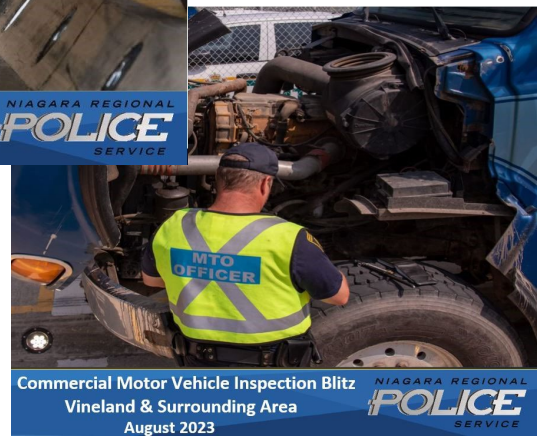


Scale/Inspection Station Avoidance

- The Vineland Truck Inspection Station (or “Scale”) is located along the QEW between Vineland and Beamsville and operates in the westbound direction.
- Trucks are obligated to turn in and undergo a vehicle inspection if required, when the station’s lights are turned on.
- However, a portion of truck drivers avoid the inspection station by exiting the QEW in advance and bypassing around using Regional and Town roads.
- Drivers avoid the inspection station to save time on their route or may have known issues with licensing or vehicle defects which they don’t want officers to discover.

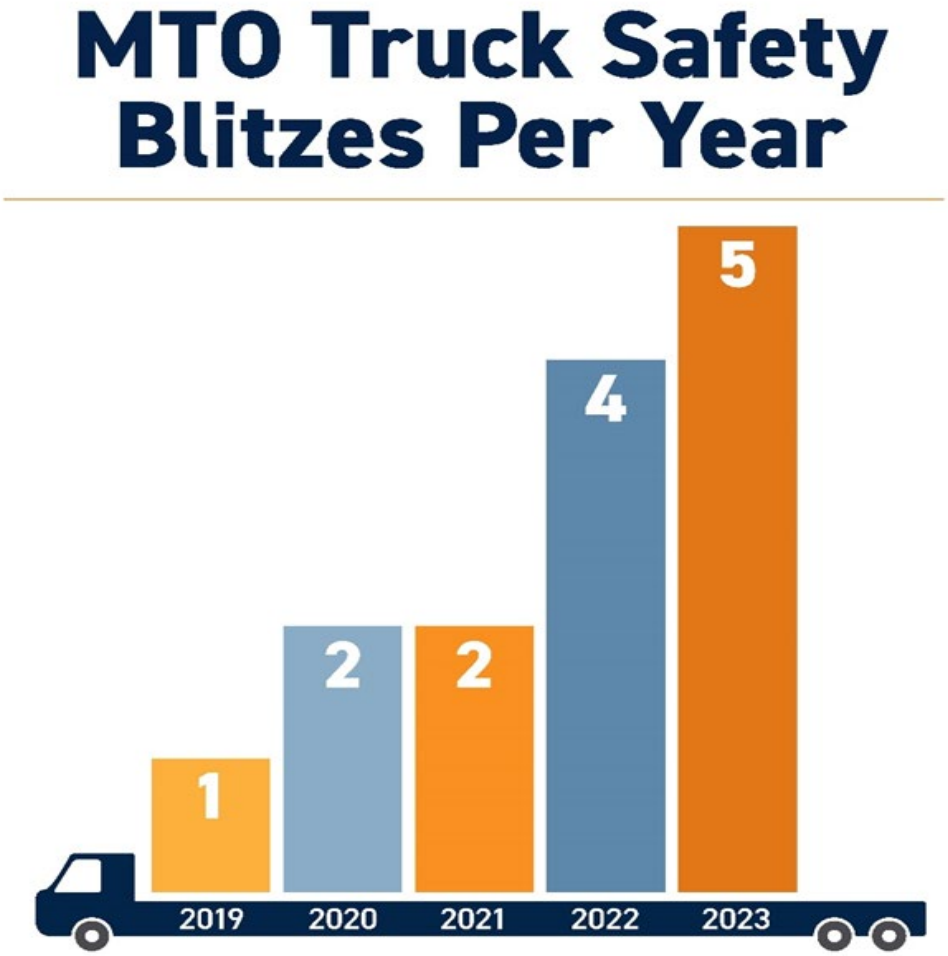




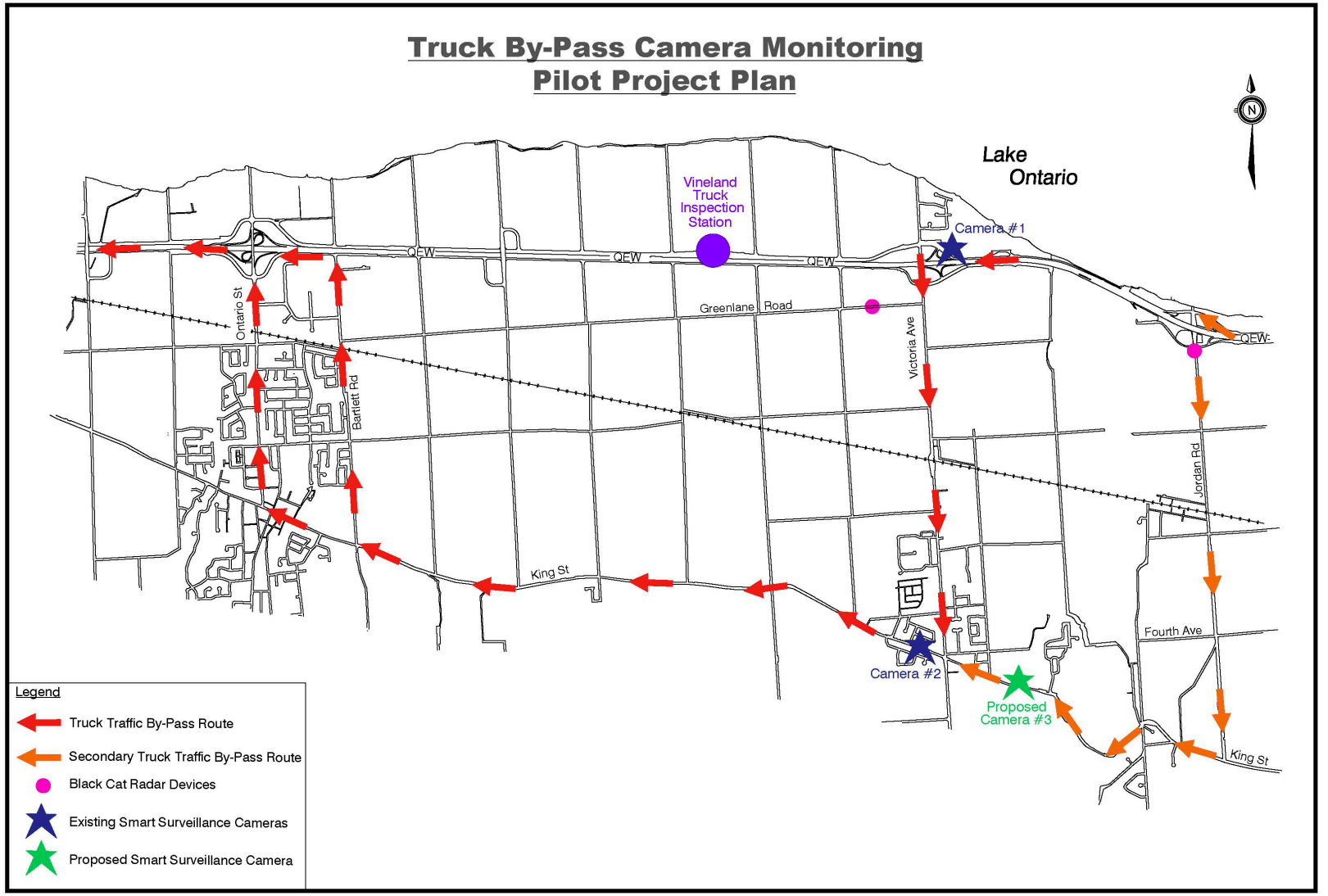


Frequent Truck Safety Blitzes

- In response, the Town has built a strong partnership with MTO and NRPS to complete frequent truck safety blitzes
  - ➢ FOCUS: scale avoidance in Lincoln.



Camera Monitoring Pilot Project



Camera Monitoring Pilot Project

The pilot program utilizes **smart surveillance AI technology**

- Automatically sends MTO officers a notification that the same truck has been detected on both cameras.
  - ✓ Potential by-passer
- Capture truck images showing the company name.
- License plate reader capability.
- The system detects a running total of how many times a particular truck has bypassed, allowing MTO to focus on repeat offenders.
- Town is able to collect truck volume data to help identify and monitor trends.



MTO Enforcement Plan

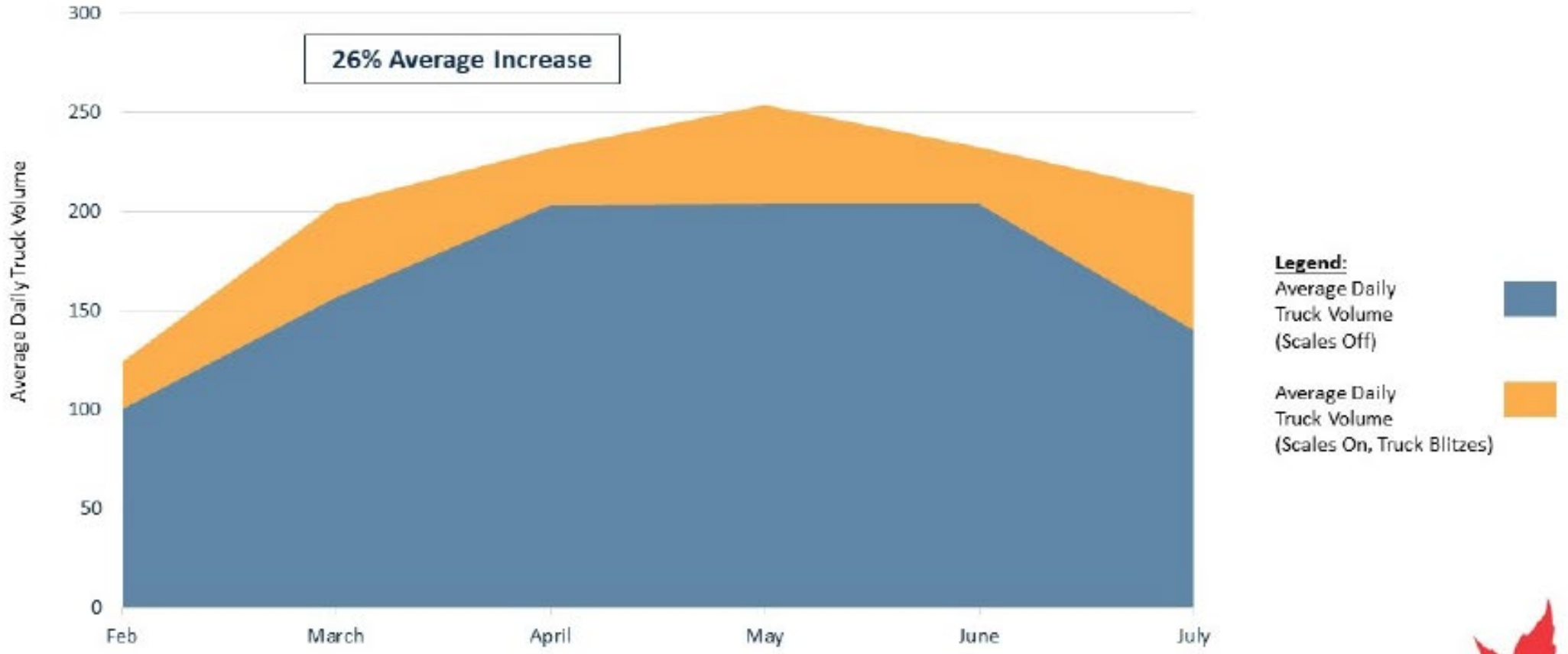
- Based on camera images of the commercial vehicle company logo and **license plate reader** information the officer can decide if the truck is a suspected by-passer and should be intercepted on route.

  ✓ Engage driver in conversation to ascertain facts to trip origin and destination.

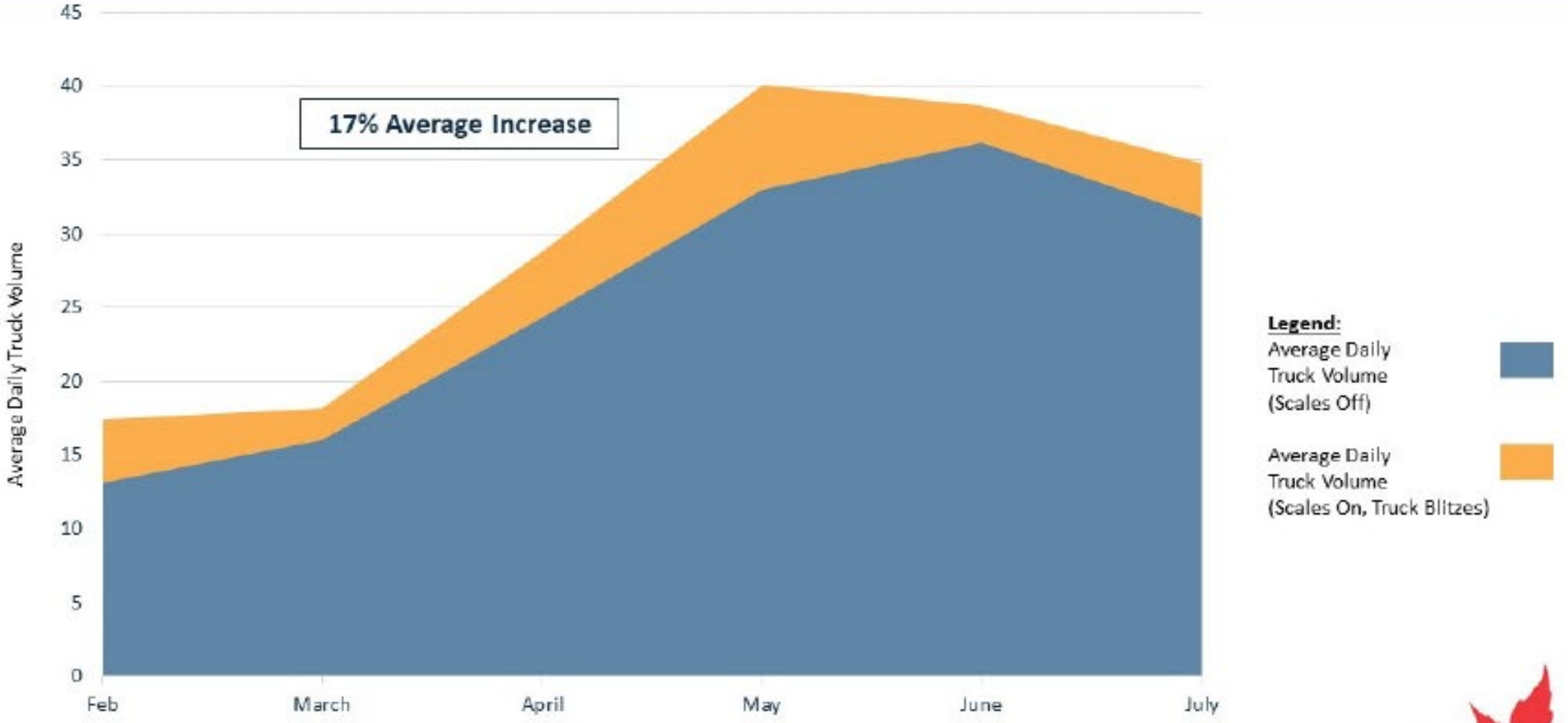
  ✓ If suspected to be avoiding the inspection station, the officer will escort the truck all the way back to the Vineland Truck Inspection Station for a further detailed inspection, whereby fines and charges can be laid.



Average Daily Truck Traffic On King Street



Average Daily Truck Traffic On Greenlane Road

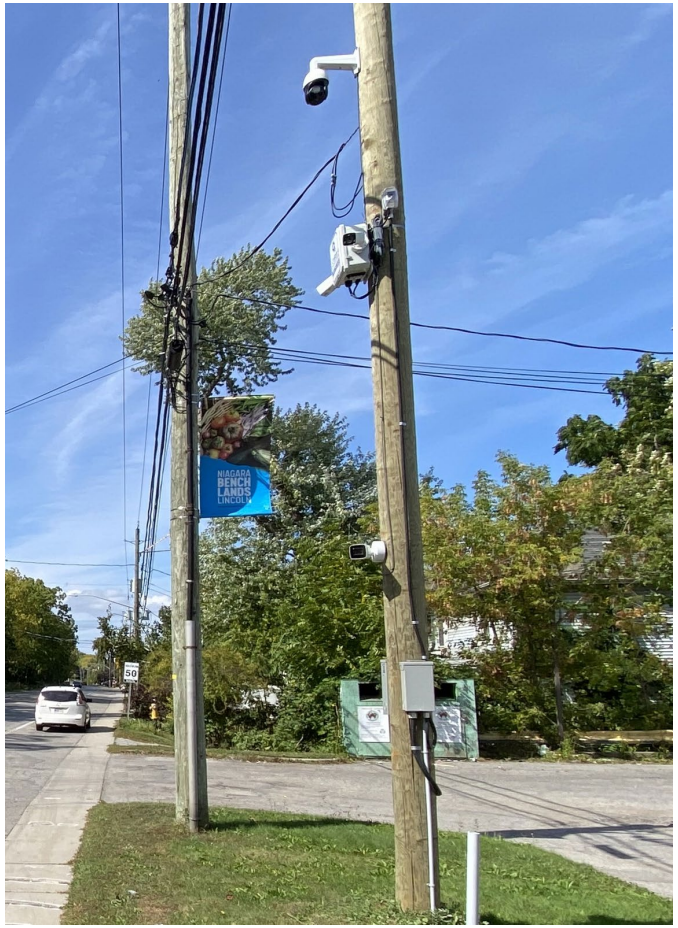


Next Steps

- Continue to collect more data to gain a better understanding of the truck traffic patterns and trends throughout the year regarding to the Vineland Truck Inspection Station avoidance situation.

- Based on feedback from the MTO enforcement team, consider funding in the proposed 2024 budget to expand the pilot project. This should include an additional camera on King St east of Victoria Ave to target trucks using the Jordan Rd QEW exit as a bypass route.

- Continue to collaborate and work together with MTO and NRP to focus on commercial vehicles avoiding the Vineland Truck Inspection Station



MTO Enforcement Team Comments



Questions and Comments

