Smart Mobility Readiness Forum
Municipal Incident Reporting Using Artificial Intelligence
Established Company - Visual Defence

Headquartered in Richmond Hill, Ontario, Canada

20 Years in Business

Focused on Security, AI, and Mobility Applications (Thanks to AVIN)

Extensive presence in the transportation sector

- 20 Years Operating
- Hundreds Completed Projects
- Millions People Safer
- Dozens Products Developed
- Thousands Fulfilled Orders
- Billion+ Hours of Video Processed
What is the ROVER Workgroup?

The ROVER workgroup, initiated by Visual Defence Inc. and the City of Richmond Hill is a collection of organizations and municipalities who seek to investigate how artificial intelligence could be used for the betterment and safety of Canada’s road network.

What does the workgroup do for you?

- **We value your feedback**
  Be involved in building the solution you want to see. ROVER will be tailored to meet the needs of road operations. We want to fine-tune only the features that matter to you.

- **Networking opportunity**
  Opportunity to learn road maintenance strategies from other municipalities and organizations.

- **Positive Exposure**
  Be a part of a new and exciting way to improve Canadian road safety.

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**Richmond Hill**

“*We are excited to partner with Richmond Hill’s own Visual Defence to test the Rover technology. This type of collaboration and innovation is crucial for moving municipalities forward.*”

Matt Mintz
Manager of Road Operations

**Markham**

“The City of Markham supports the development of technologies aimed at helping Canadian municipalities improve and maintain their road networks.”

Alice Lam
Senior Manager of Roads, Survey & Utility

**Aurora**

“We are looking forward to testing Rover to see how it can create efficiencies in reducing the amount of staff hours that go into documenting and creating work orders for potholes.”

Dan Naccarato
Supervisor of Roads & Traffic

**New Tecumseth**

“New Tecumseth is excited to test Rover and see how it can create efficiency in road patrol and other areas of our business.”

Chris Trombino
Manager of Roads and Fleet

**Innisfil**

“Technology that makes us more efficient and that leads to a better user experience on our roads is what Innisfil is looking for. We’re looking forward to seeing how the Rover technology performs.”

Brian Seed
Manager of Road Operations

**East Gwillimbury**

“We are excited to participate in this technology pilot to provide the Town of East Gwillimbury with another tool in our arsenal to help identify pothole locations, expedite tracking and repair all with the objective of providing a safer municipal road network.”

Jeff Meggitt
Manager of Operations
The World’s Largest Collaborative R&D Project, aimed at improving road conditions

Did You Know? Municipalities in more than 50% of Canada’s provinces and territories are working together to teach AI to identify road issues automatically.
What is ROVER

- ROVER is an app that is installed on a smartphone.
- ROVER automatically identifies potholes on the road using artificial intelligence and maps them.
Why use ROVER?

- Artifical Intelligence for Incident Detection
  - Proactive
  - Timely
  - Accurate
  - Efficient
  - Frequent
  - Affordable

Issues and Reports
The Future: ROVER SmartFleets
Challenges

- Change
- Trust
- Technological
- Procedural
- Capacity
- Buy-in
Opportunities

• Chance to improve
• Influence roadmap
• Collective power
• Quantify impact
• Share knowledge
• Showcase our businesses
Thank You

Join the Collaboration

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