



How Technology is Changing Community Policing in York Region



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Strategic Services - Business Intelligence

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Deeds Speak





Presentation Agenda

- Sector Model Policing – The Foundation
- What is Active Operating Picture (AOP)
- How Active Operating Picture is changing Community Policing
 - Data Driven Patrol
 - Road Safety
 - Crime Prevention
 - RTOC – Strategic Resource Management
 - Scenario: Shooting in Progress



Sector Model Policing

In the right place at the right time

What was required:

- ☐ Four years of Planning & Research
- ☐ Data Cleansing
- ☐ Workload Analysis
- ☐ Consultative Approach
- ☐ Identified KPI's
- ☐ One year pilot in #5 District (Oct/15 to Oct/16)





Sector Model Policing

In the right place at the right time

The Outcome:

- ✓ Enhanced Strategic Resource Management
- ✓ Enhanced Supervision at High-risk calls for service
- ✓ Increased Police Visibility
- ✓ Increased time for community engagement
- ✓ Improved response time to priority calls for service
- ✓ Improved workload balance





What is Active Operating Picture (AOP)?

Map Analytics Technology

Connects to Multiple Data Sources

- Internal
- External

3 Applications

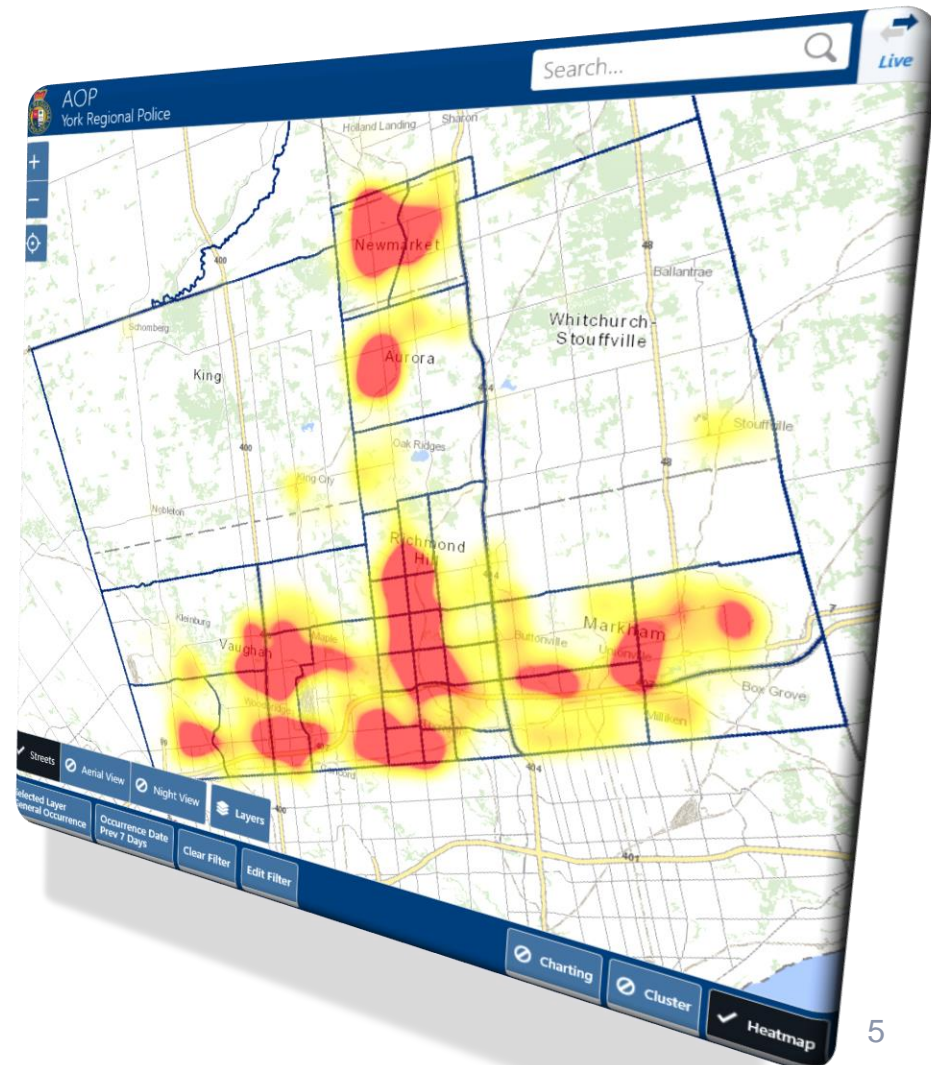
- Real Time Operations Centre (RTOC)
- Frontline
- Crime Analytics

Multiple Layers

- Crime, Collision, Proactive Policing etc.

External Feeds

- Region Traffic Cameras
- Weather, Traffic Conditions,
- Google Street view



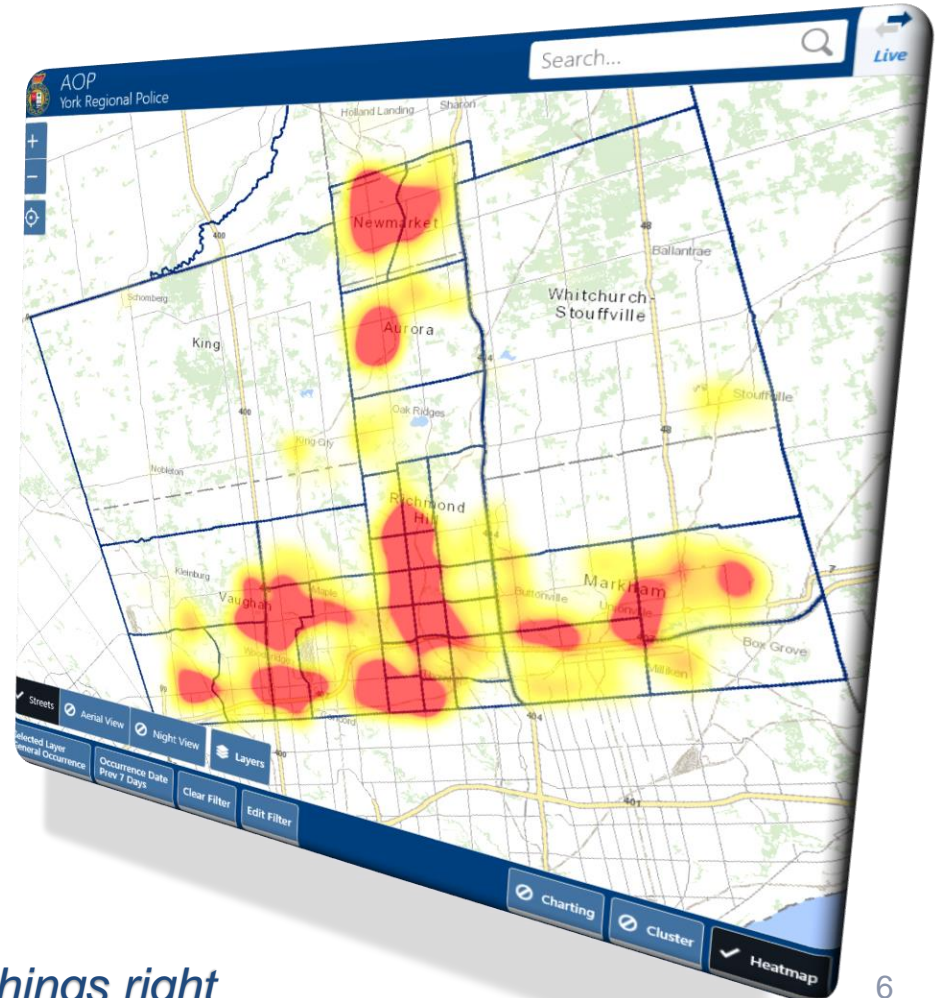


Data Driven - Road Safety

Know Your Sector

Proactive Patrol

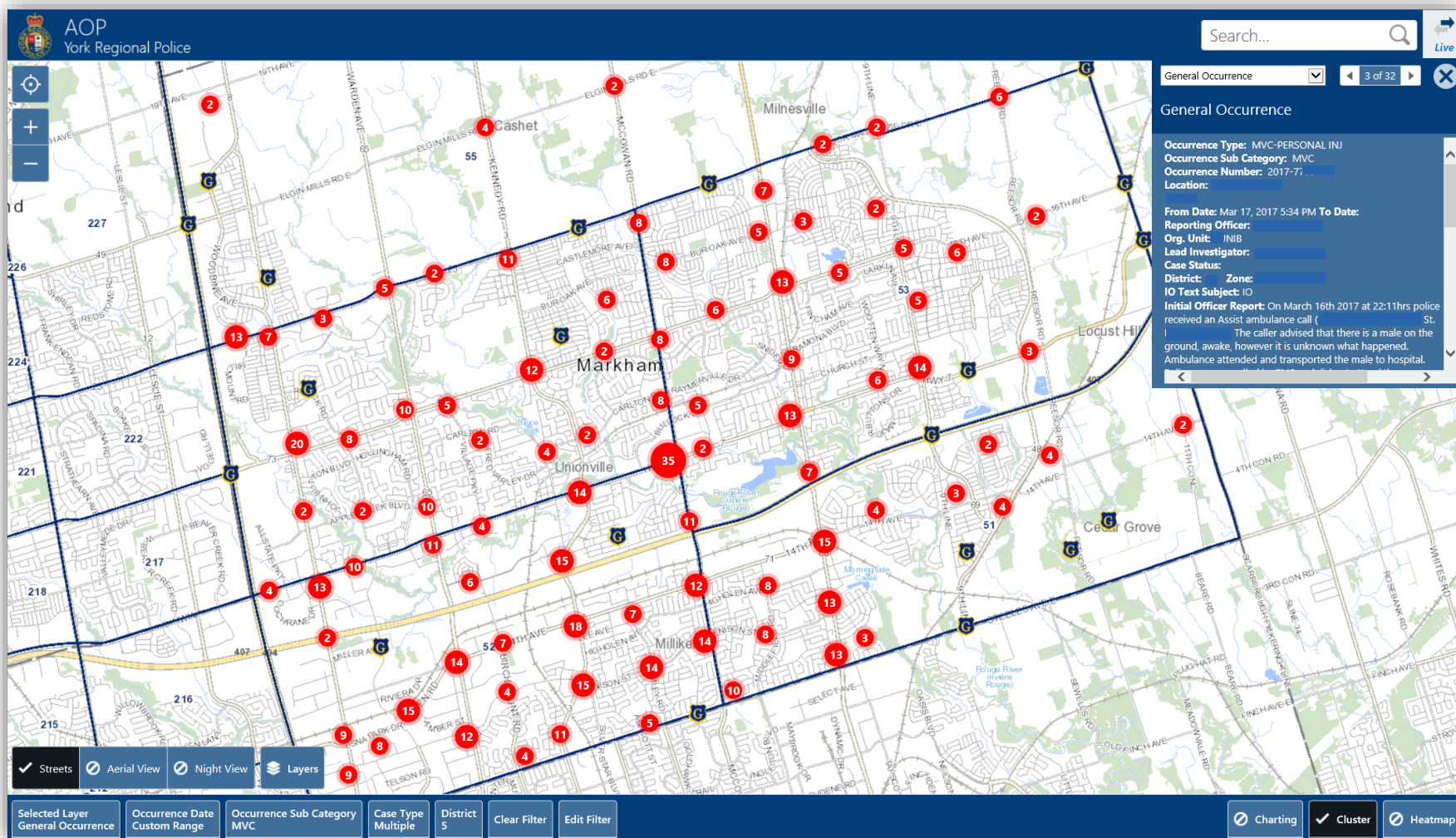
Community Engagement/Education



Efficiency is doing things right



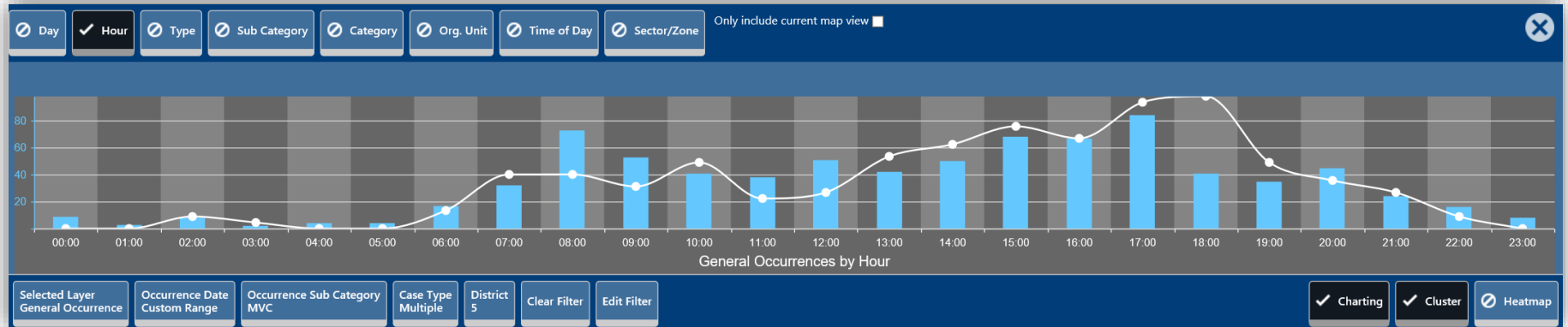
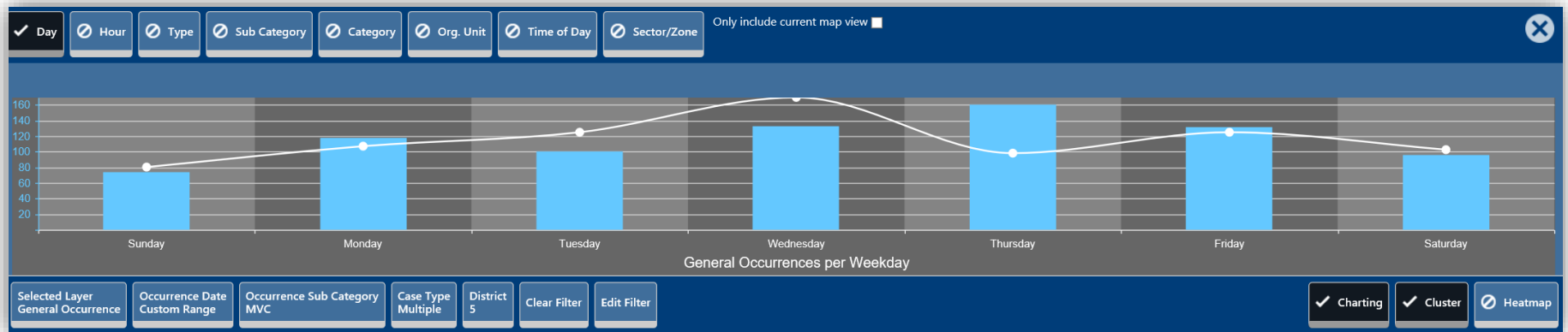
Personal Injury Collisions (1 year)





Personal Injury Collisions (1 year)

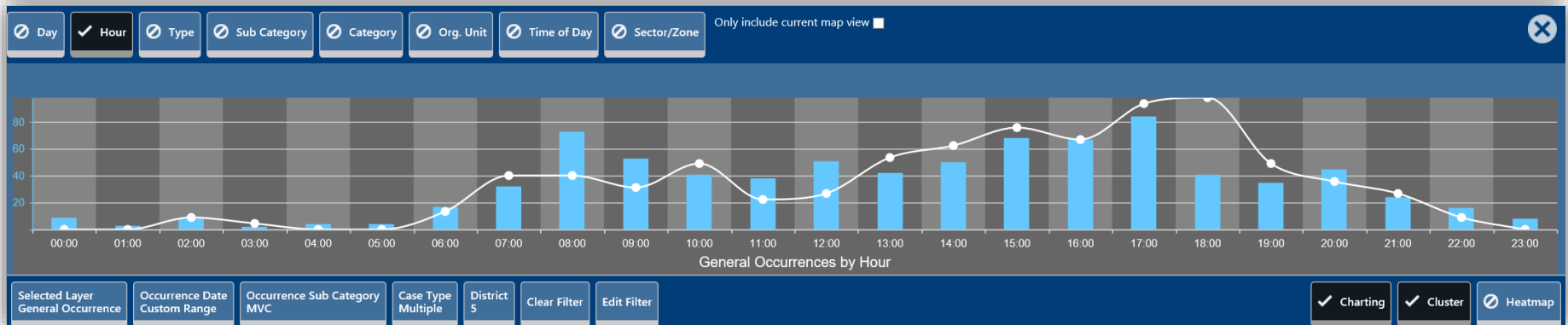
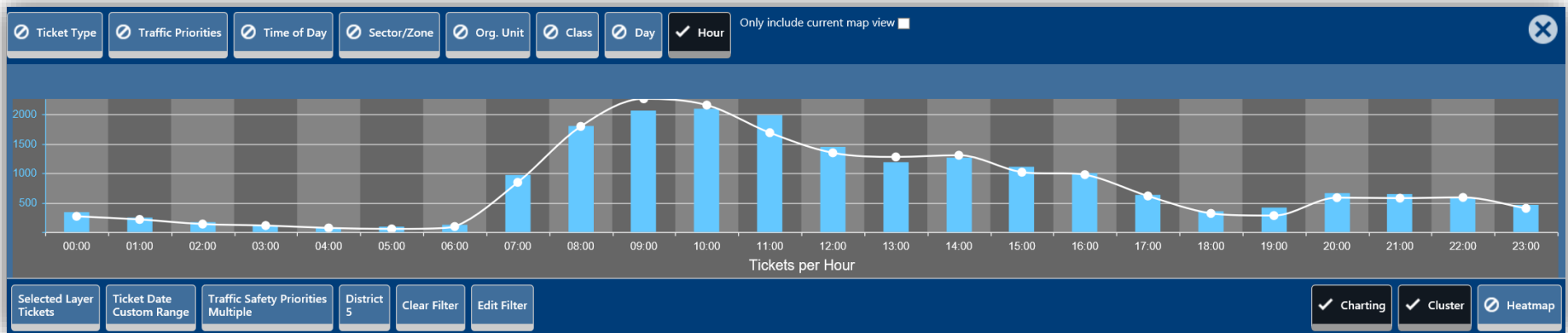
Day of Week / Time of Day



You can't improve what you don't measure

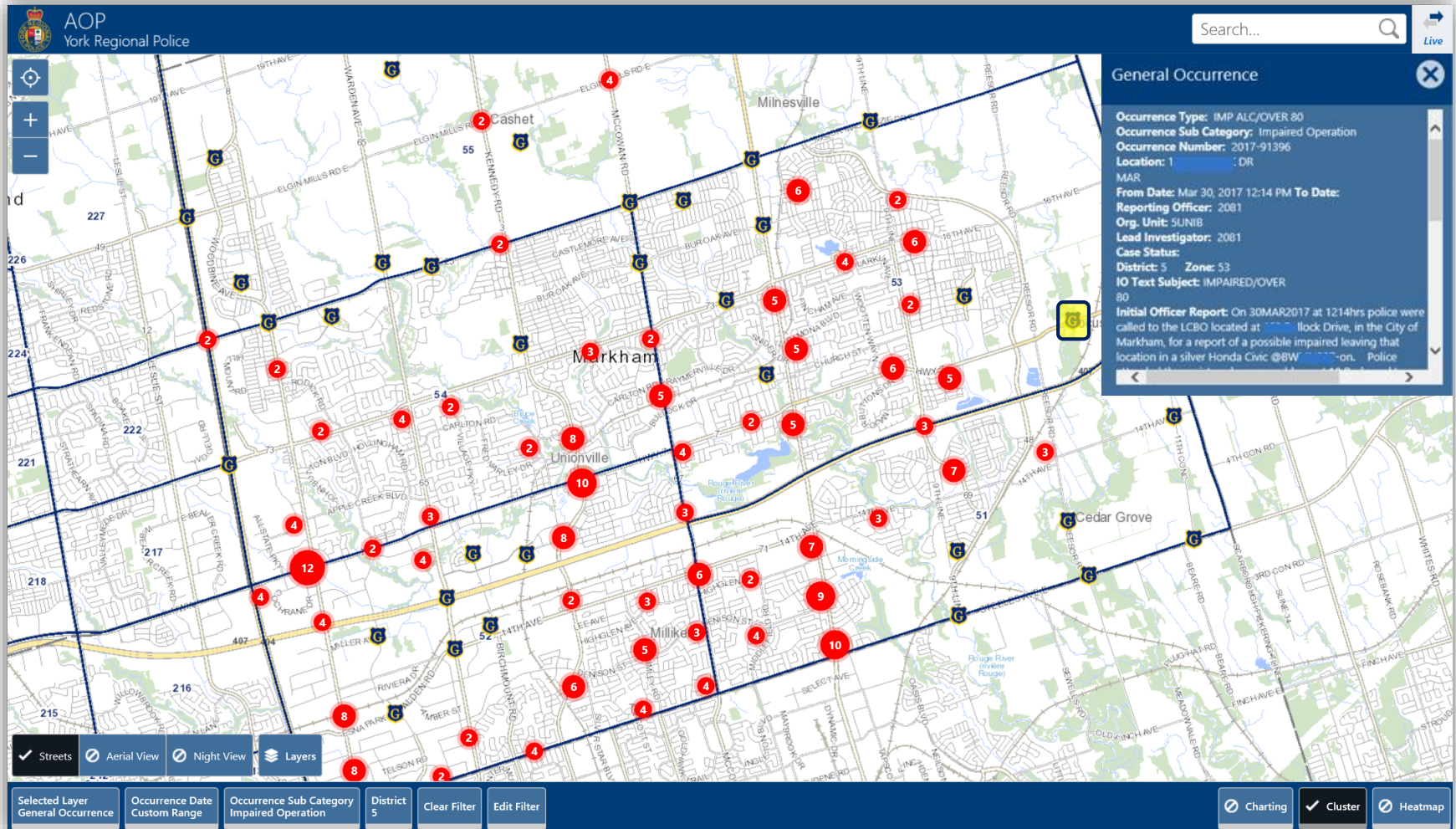


Traffic Safety Priorities Compared to Collisions





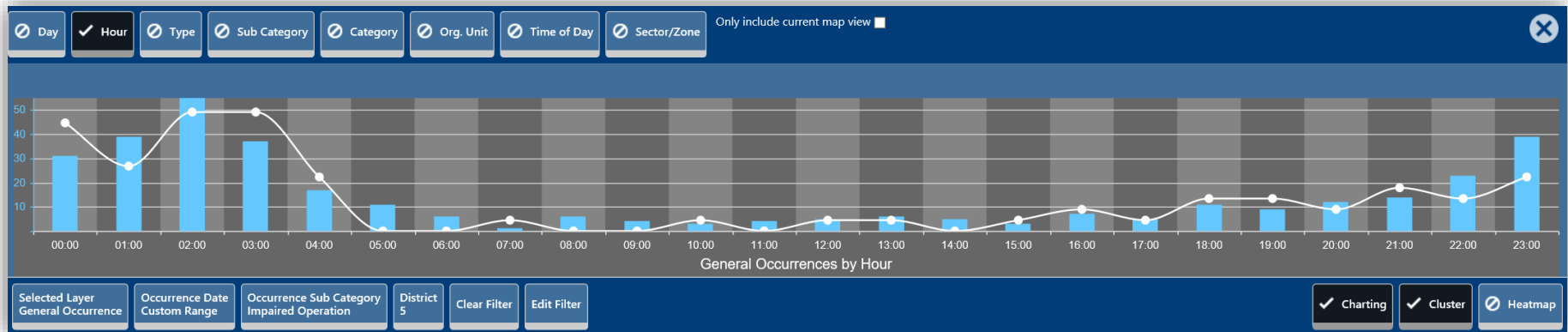
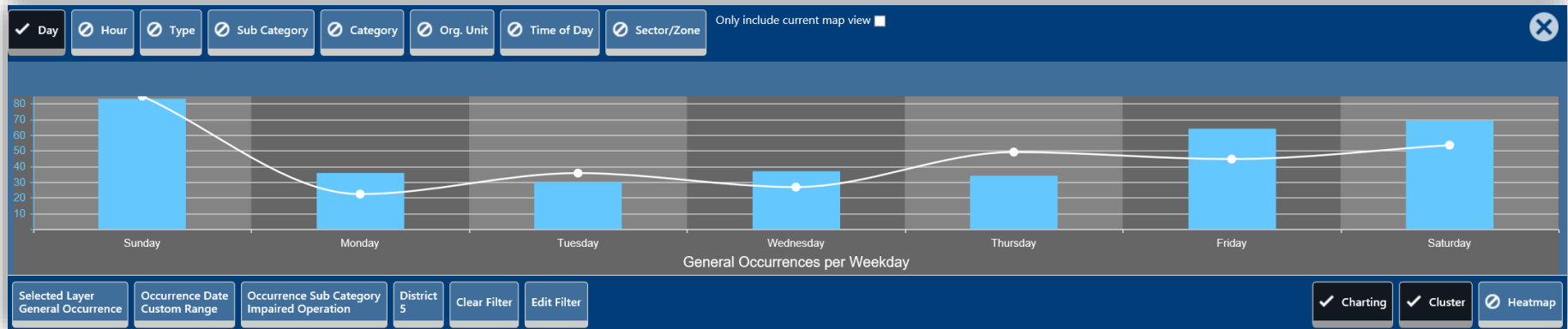
Impaired Occurrences (1 year)





Impaired Occurrences (1 year)

Day of Week / Time of Day



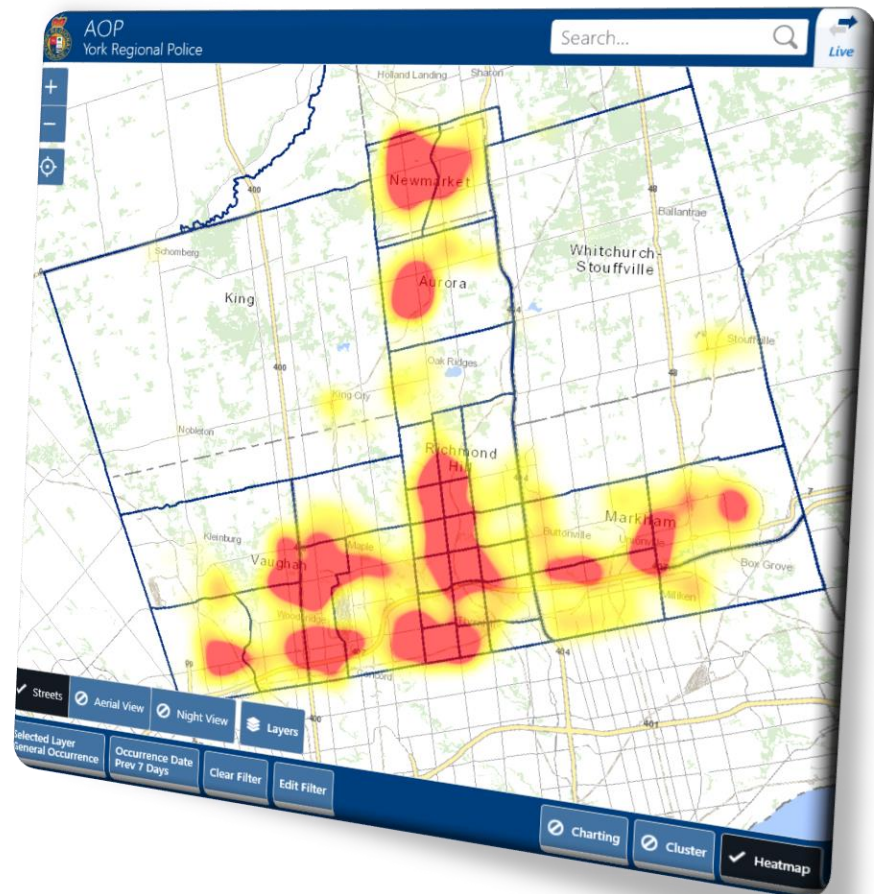


Crime Detection, Suppression & Prevention

Know Your Sector

Proactive Patrol

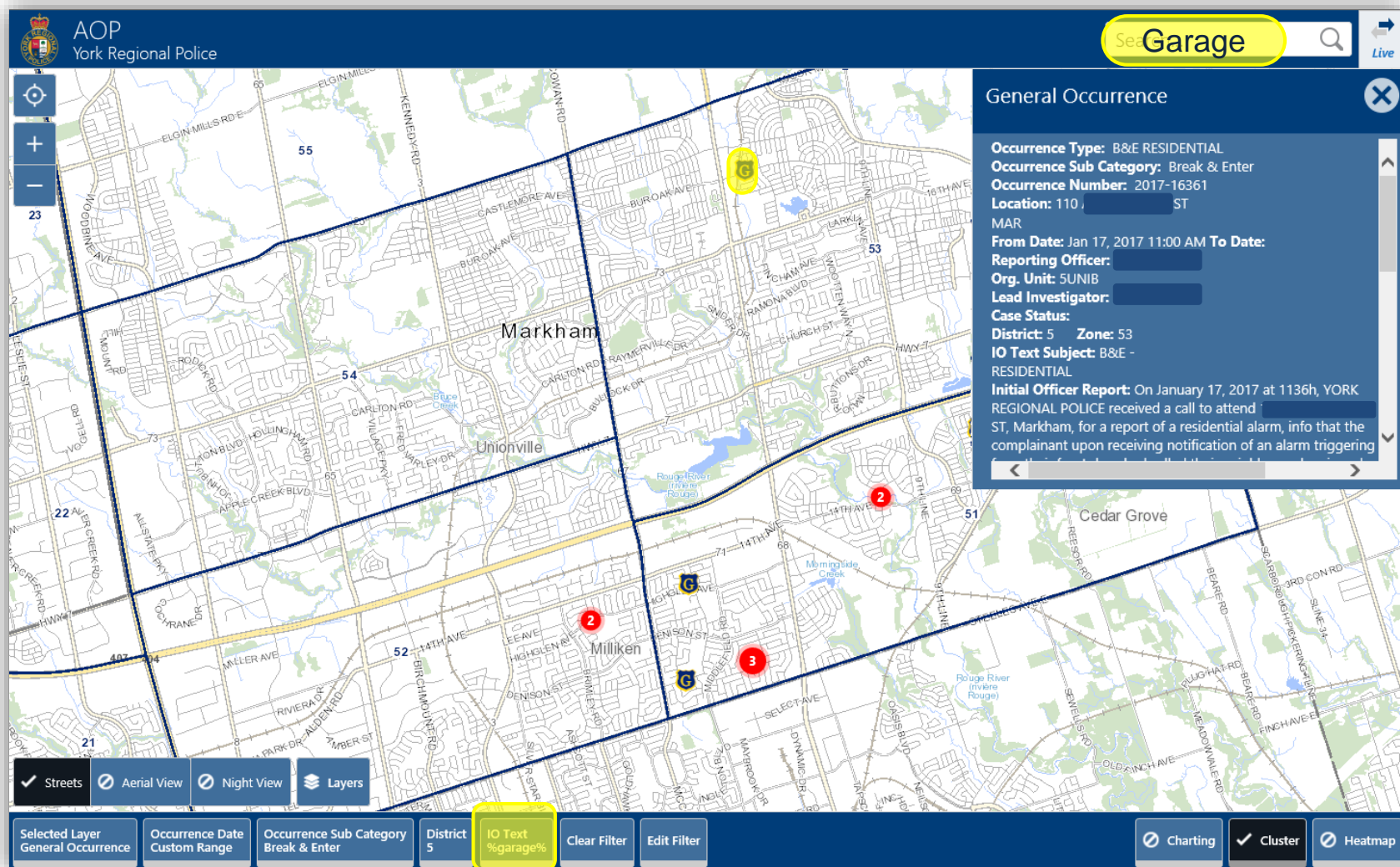
Community
Engagement/Education



Effectiveness is doing the right things



Break and Enters Involving Garages (45 Days)





Break and Enters Charted (45 days)

Day of Week & Time of day



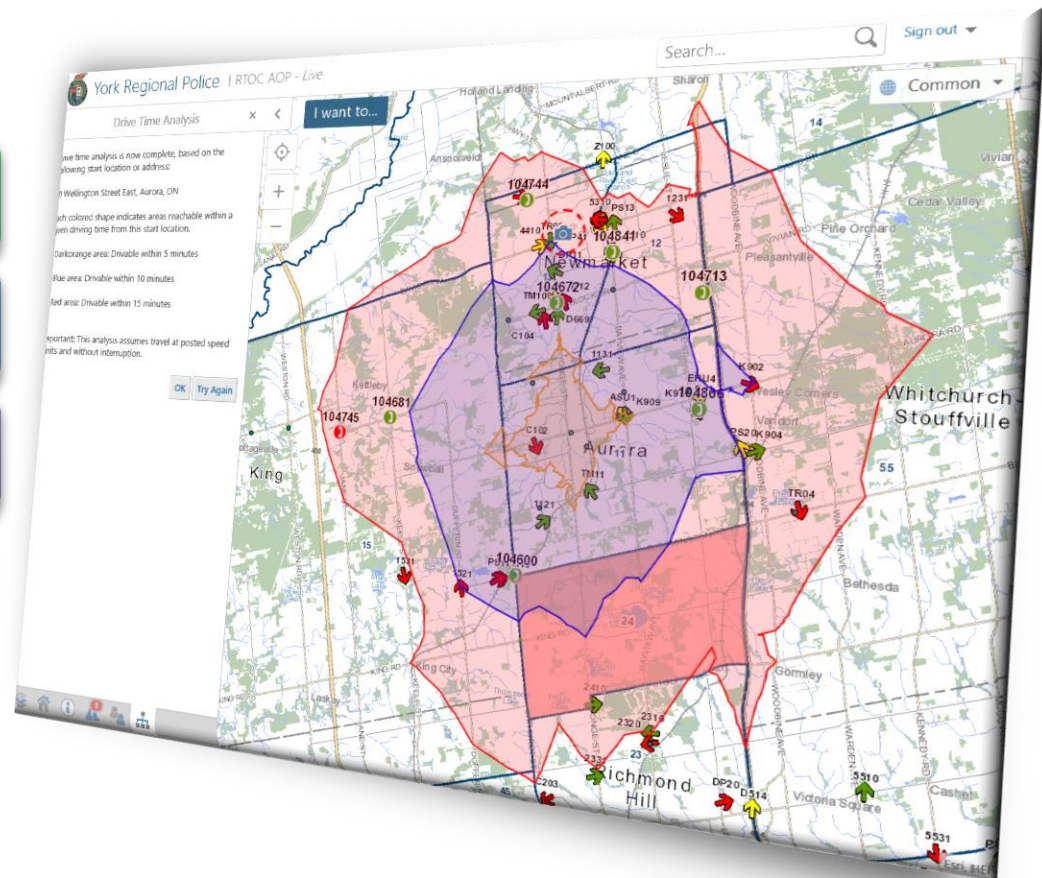


AOP - Real Time Operations Centre

Improve Situational Awareness

Regional Resource Management

Collaboration



Innovation is change that unlocks new value



RTOC Strategic Resource Deployment

Alerts

- Multiple Units Assigned
- Priority Calls
- Low police presence

York Regional Police | RTOC AOP - Live

Alerts

I want to...

Multiple Units Assigned

Address: 31
Call Type: SUSPICIOUS PERSON
Call Number: 90740 Priority: 3
Remarks: COMP REPORTING 5-7 MSL DRESSED IN ALL BLK WALKING SLOWLY IN AREA. LOOKING AND STOPPING IFO HOMES. ALL APPROX LATE TEENS. NO WEAPONS. ALL ON FOOT. L/S 5 MIN AGO EAST ON FIFTH. ONE SHORT AND STALKY. THE REST ALL ABOUT THE SAME HEIGHT.
Units Assigned: 4
Occurred: 3/29/2017 9:08:04 PM

3/29/2017

Priority Call

Address: 355
Call Type: DOMESTIC VIOLENCE
Call Number: 90745 Priority: 1
Remarks: COMP YELLING THAT HER SON IS VIOLENT.
Occurred: 3/29/2017 9:07:00 PM

3/29/2017

Priority Call

Address: I
Call Type: IMPAIRED
Call Number: 90744 Priority: 2
Remarks: COMP FOWLOWING PONTIAC G6 @C
Occurred: 3/29/2017 9:05:40 PM

3/29/2017

Priority Call

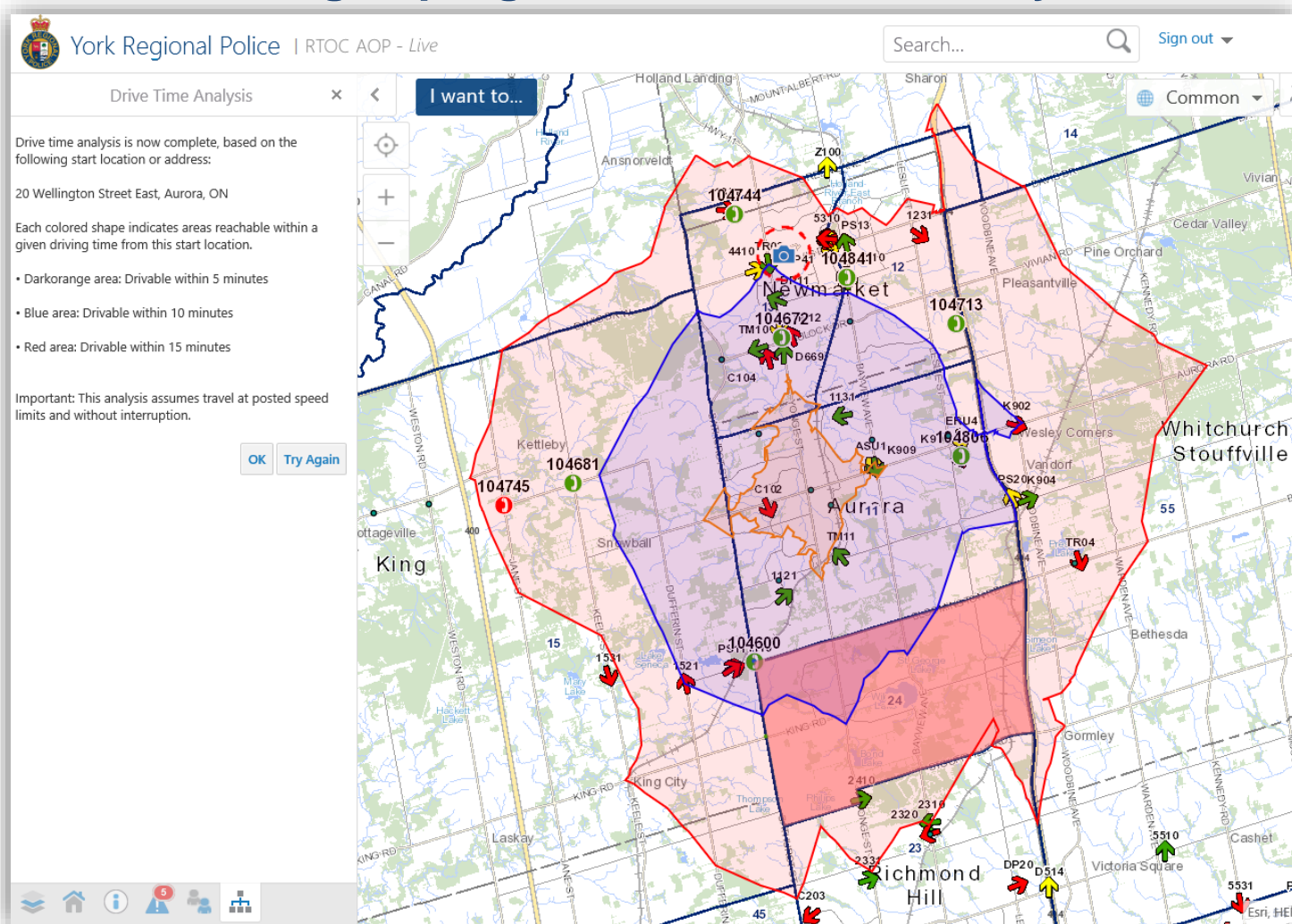
Address: 17 W
Call Type: MISSING VULNERABLE PERSON
Call Number: 90743 Priority: 2
Remarks: INFO FROM #1217 - COMP IS ENR TO 2D TO REPT!
201.F/ - MISSV IS EDP AND RAN OFF FOUR HOUR AGO FROM MACKENZIE HEALTH - ETA FOR COMP IS 5MIN FROM 2D - NFI UNTIL MOM ARRIVES
Occurred: 3/29/2017 9:03:20 PM

Search...

Common



Real Time Operation Centre (RTOC) Shooting in progress – Drive Time Analysis





Scenario – Violent Crime in Progress



Drive Time Analysis



Live Traffic Cameras



Collaboration



Project CLEAR

Critical

Locations


Emergency

Action

Response

If you fail to plan, you plan to fail





AOP
York Regional Police

Upper Canada Mall

2 of 2

Upper Canada Mall

Upper Canada Mall

Contact: [REDACTED]

Address: 17600 Yonge Street, Newmarket

Phone Number: 905-[REDACTED]

Email: [REDACTED]

[uppercanadamall_datasheet.pdf](#)

[uppercanadamall_floorplans.pdf](#)

To update this information please contact clear@yrp.ca

☒ Streets

☐ Aerial View

☐ Night View

Selected Layer
General Occurrence

Occurrence Date
Prev 24 Hours

Clear Filter

Edit Filter

☐ Charting

☐ Cluster

☐ Heatmap

[illegible]



COMMUNITY FOCUS

To continue developing partnerships within the community focused on a shared sense of ownership for crime prevention and community safety

To maintain public trust and confidence through community engagement

SUPERIOR QUALITY SERVICE

To support the modernization of policing throughout the organization

Use existing and emerging technologies to achieve our strategic and operational objectives

OPERATIONAL EXCELLENCE

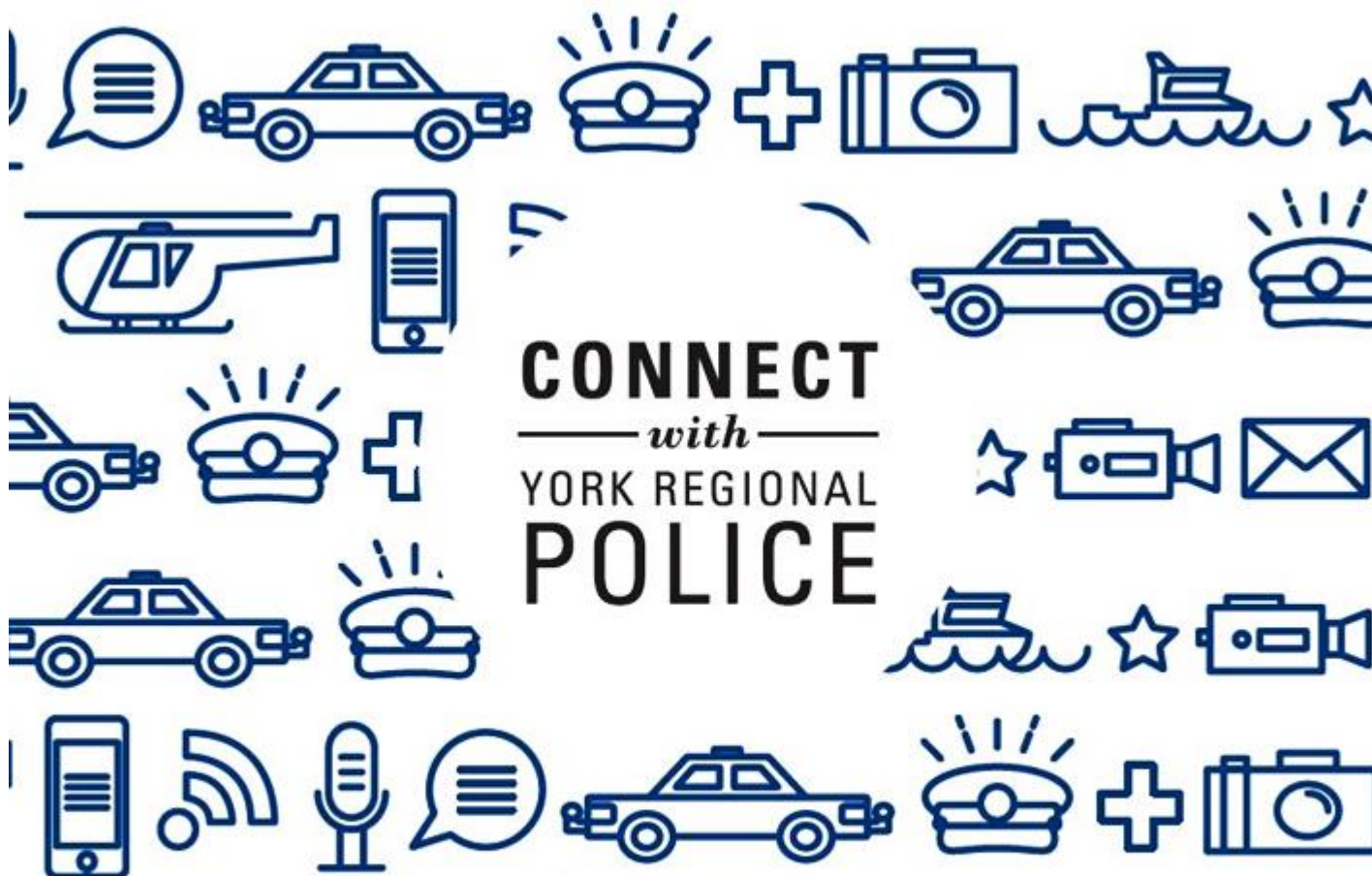
To enhance crime detection, suppression and enforcement activities through evidence-based decision making

To enhance organizational effectiveness and reinforce our high standard of professionalism



Thank you Questions?





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