

Preserving the Front Plate

Oct 21st 2015



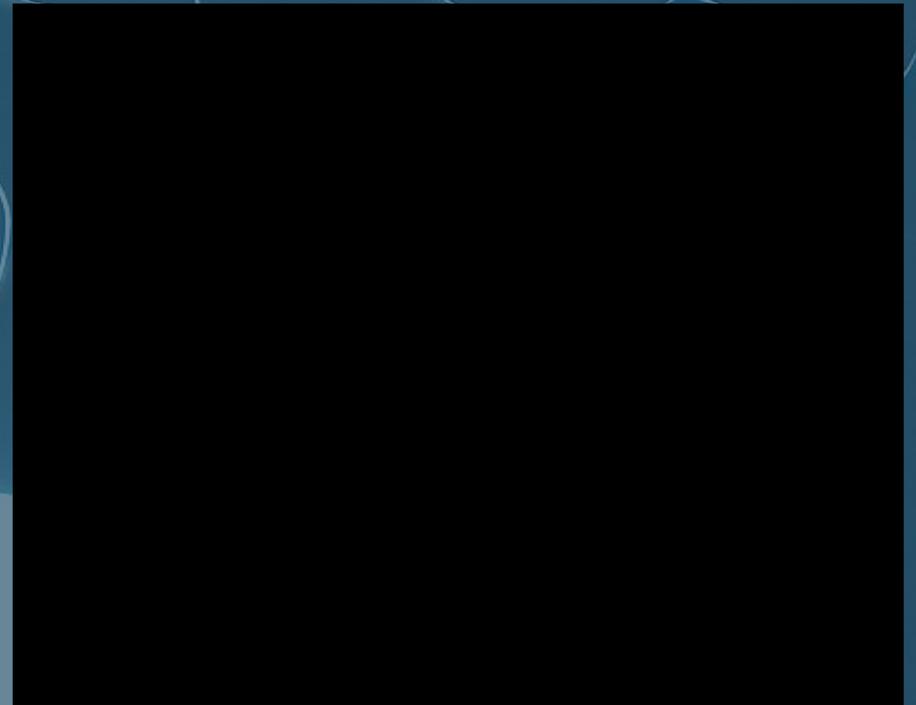
Agenda

- Introduction
- LPR Overview
- Proactive Monitoring/Reactive Investigations
- Understanding the Pieces
- Putting the Pieces Together
- Front Plate Success Stories



LPR Overview

- LPR helps to identify vehicles **not people**
- LPR does what officers have always done, Check and note license plates
- Dedicated LPR uses Infrared Illumination
- Software to generate alerts or hits
- Antithesis of profiling
- Investigative tool for law enforcement purposes only
- No red light or revenue generation
- Presence and placement of both plates **IS KEY!!!!**



Video courtesy of WCPO Channel 9



Dual Benefit of LPR

Proactive Patrols/Monitoring & Reactive Investigations

Proactive Patrols/Monitoring

- Instant gratification – Arrests, Recoveries
- Identify vehicles of interest in the field
- Vehicle considerations, radio runs, repetitive beats, fixed monitors

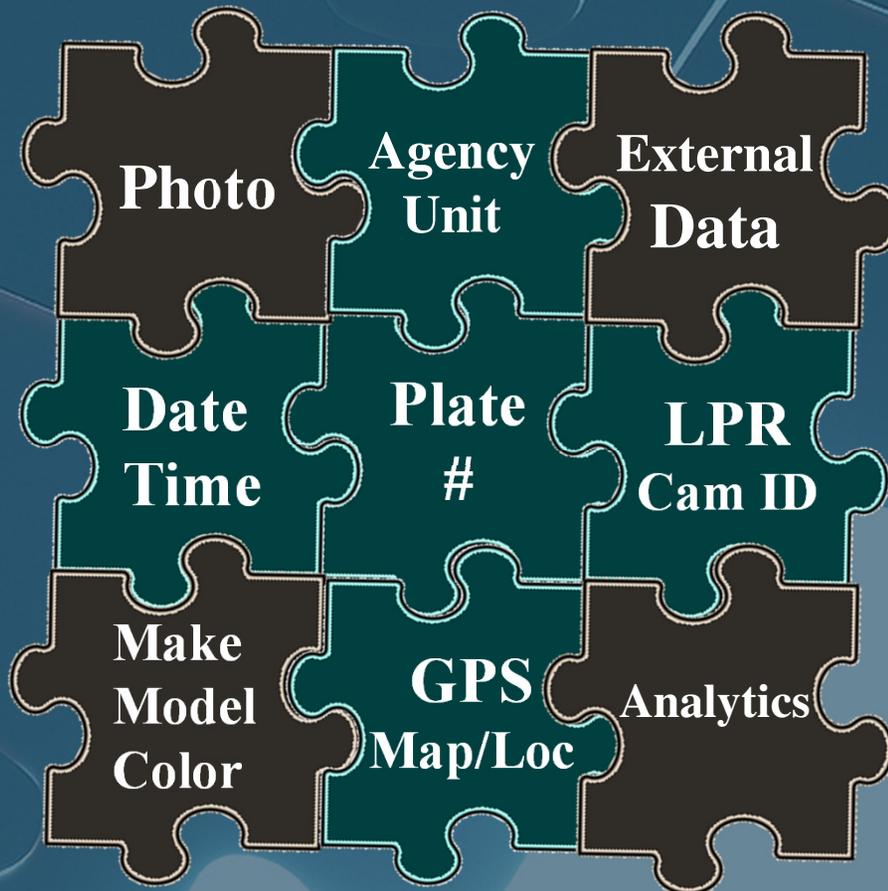
Reactive Investigations

- Where they lay their head
- Patterns and Long term analytics
- Investigator Training and Share success stories
- Access to reactive data, remotely, cross-jurisdictional

Efficient Reactive Investigations can lead to more Effective Proactive Monitoring



Understanding the 'Pieces'





Proactive/Reactive Collaboration

Robbery of Convenience Store @ 0812

LPR Vehicle in the area and Norwood Officer
reviews his reads shortly after....

FDO2519	5/29/2011 8:07 AM			NORW149	NORWOOD
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Front Plate capture is confirmed as the suspect but
has left the area....



Proactive/Reactive Collaboration

A few hours later the officer searches the database and finds....

<input type="checkbox"/>	FDQ2519	5/29/2011 9:24 AM			GRTPLPR2	GREEN TWP
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Norwood Officer contacts Green Township Officer to see if he can help located the vehicle...

Ironically enough he happened to give a car matching that description to Bob Evans...



Proactive/Reactive Collaboration

Both Officers respond and find....

FDQ2519 5/29/2011 10:15 AM



GRTPLPR.2

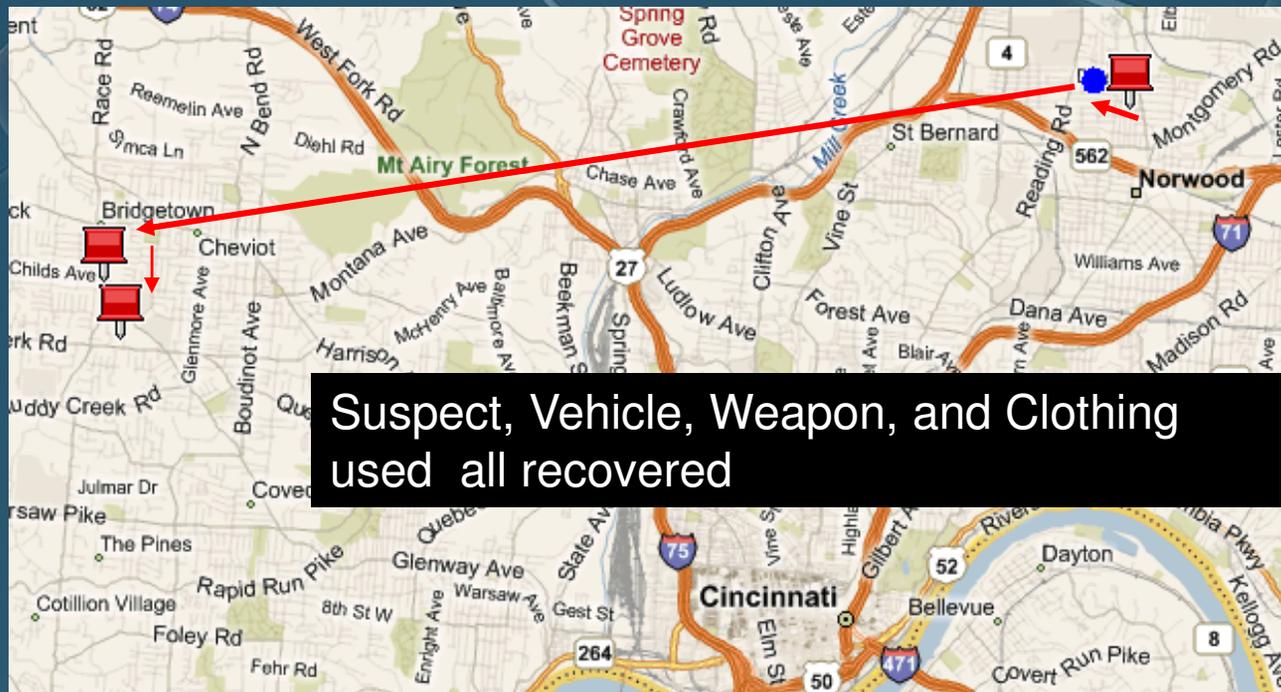
GREEN TWP





Proactive/Reactive Collaboration

**LPR was able to map the suspect's funding source
and location choice for breakfast!**





As We Head In...

On 12/18/2013 a resident called in suspicious activity on Elbrook Avenue located in Amberley Village. One of our patrol units LPR picked up a license plate coming out of the sub-division as it responded to the reported scene. As the officer exited his vehicle a subject on the property fled with the officer giving chase

Detective Jeff Norton Amberley Village Police

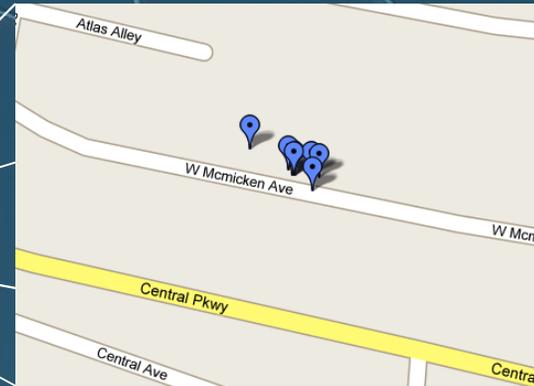
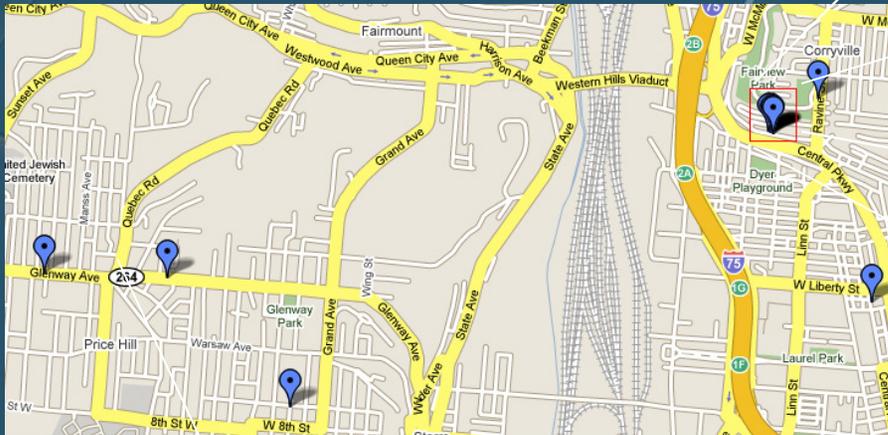
**Suspects
Identified and
Arrested**





As We Head In...

GREEN TOWNSHIP ROBBERIES



This cluster shows where the suspect vehicle is frequently parked/seen

Each of these 3 reads from the **front plate** are a truck traveling in-bound from the Green Township Area. The date time stamps of each read correlate with a reported B&E. The truck image matches the suspect vehicle's description



Our Most Vulnerable Citizens

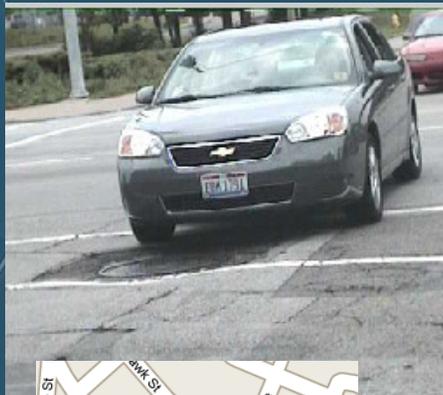
DELHI TOWNSHIP - Delhi residents Jack and Iris Totten informed a relative that they were going to Kohl's on 6580 Harrison Avenue (Green Township). The couple has not returned home.

Iris and Jack Totten were last seen operating a RED 2008 Ford Fusion (4 door) bearing Ohio license plate 678XTA. (similar looking car below)



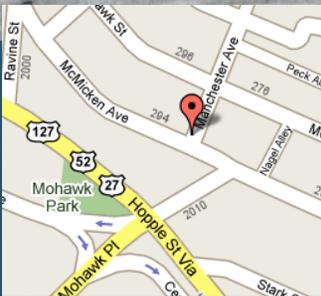


Time Travel Crime Solving



Vehicle was read at
6:23 pm

Vehicle belonged to
a homicide victim
who was discovered
murdered in his
apartment at



5:00 p.m.



0200 hours – Notified by **Sergeant Carolyn Richardson**, District One, that the **vehicle missing** from the **homicide scene on Hackberry Street** was located with use of the **Automatic License Plate Reader**. After hearing the description of the vehicle, **Officer Robert Grisby**, who was operating the ALPR equipped vehicle, checked the database to see if the ALPR had contact with the vehicle during his tour. The query showed that at approximately 1820 hours, the **ALPR picked up the missing vehicle at Stonewall and McMicken Streets**. A copy of the readout (photograph included) was distributed to Power and Third Shift officers. At 0034 hours, **Officer Roberta Hais** located the vehicle at **McMicken and Ravine Streets**. With assistance from Vortex and additional District One personnel, the vehicle was stopped and **two subjects were detained** for investigation. **Homicide Unit personnel** responded to the scene and took custody of the occupants and the vehicle for further investigation.



Serial Rapist

Suspect was identified and extensive investigation took place over a few months

LPR lead map lead investigators to vehicle to place GPS tracker

Photos show suspect attempted to disguise vehicle

Arrested
Jan 2013

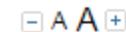




Front Plate Capture Identifying Vehicle Damage

UDF robbed in West Price Hill

5:15 AM, Jun. 9, 2008



Written by
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WEST PRICE HILL - Cincinnati police said they are investigating an armed robbery at United Dairy Farmers, 4899 Cleves Warsaw Pike.

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Crime & Courts

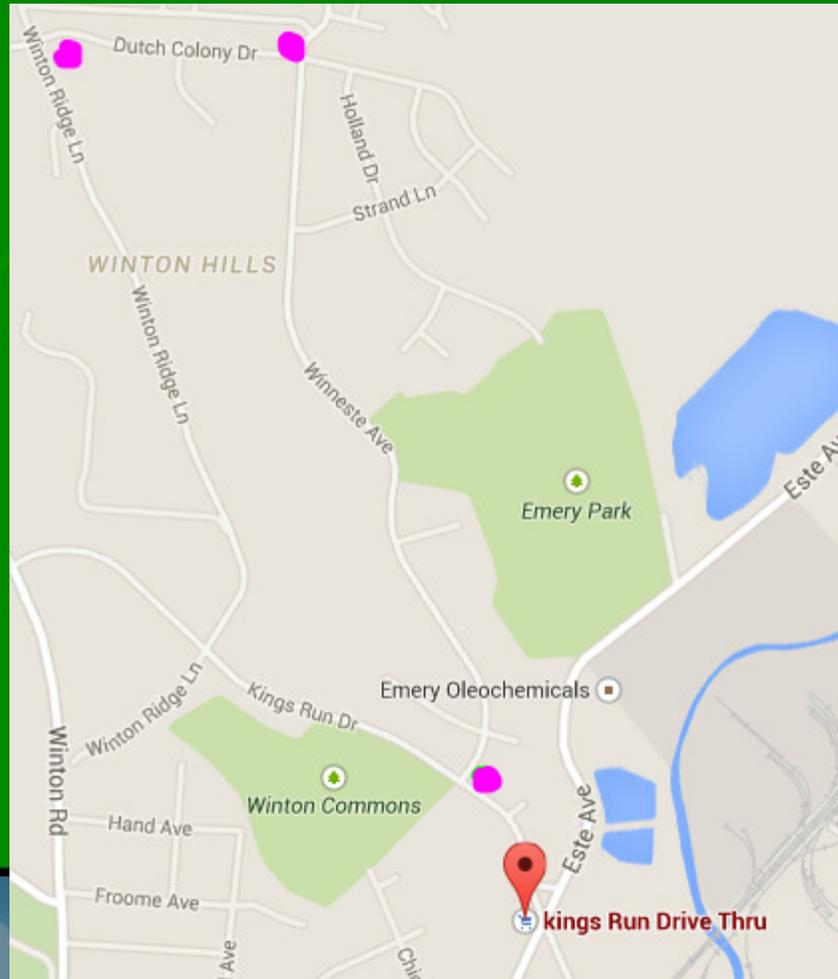
No injuries were reported in the 11:40 p.m. incident.

A man armed with a pistol and wearing a red bandana walked into the store, took money from ...





Drive-by Shooting with AK-47



Dots indicate locations of LPR cameras



Current and Historical Data

Rear plate capture 4 min before shooting
6/27/2013 19:33:46



Front plate Capture 2 months prior



All area LPR cameras were reviewed to identify any gold sedans in the area 20 minutes before/after the shooting. Left image is one of six identified. Video at the frame level indicates a blueish **front** bumper. Re-running those 6 plates in the historical LPR database yielded the photo on the right. Historical LPR reads show a **front facing image** of the same vehicle with a blue bumper.



Dual License Plate

Safety and Reflectivity





National Support

International Association of Chiefs of Police American Association of Motor Vehicle Association



**Validating the Public Safety and National Security Needs
for Fully Reflective Front and Rear License Plates
Reissued on a Periodic Basis**
Submitted by Highway Safety Committee

WHEREAS, the maintenance of the highest standards for motor vehicle highway traffic safety and the enforcement of a strict crime control program are extremely important for law enforcement officers who steadfastly patrol the four million miles of highways and roads within the United States; and

WHEREAS, heightened national security concerns and procedures emphasize the need for fast and reliable identification of vehicles by law enforcement officers and citizens alike; and

WHEREAS, traffic enforcement activities have proved to be invaluable in the detection and apprehension of individuals involved in terrorist activities; all means of initial identification, including front and rear fully reflective license plates, are essential; and

WHEREAS, motor vehicle thefts occur at the rate of 3,200 a day or 134 every hour, resulting in 1.1 million vehicles stolen annually, as reported by the Federal Bureau of Investigation's Uniform Crime Report; and

WHEREAS, the monetary losses from motor vehicle thefts exceed \$7.5 billion annually, in addition to the resulting costs to citizens whose taxes support the law enforcement agencies responsible for recovering these vehicles; and

WHEREAS, motor vehicles are used in 70 percent of all of the serious crimes committed in the United States and the quick discovery of such vehicles can help solve these crimes; and

WHEREAS, front and rear, fully-reflective license plates are essential in the quick and accurate identification of motor vehicles even at highway speeds, especially since law enforcement officers often meet stolen vehicles on the

Policy

1. LICENSE PLATES

License plates serve one common purpose; to identify motor vehicles. Across jurisdictions, they also identify vehicle registrants and demonstrate compliance with motor vehicle registration laws. Through the use of bright, reflective surfaces, license plates contribute to highway safety and law enforcement efforts by making the vehicle more visible.

AAMVA supports the horizontal display of a front and rear plate and the uniform manufacture and design of plates, to increase the effective and efficient identification of license plates. Jurisdictions are encouraged to adopt the best practices identified in *AAMVA's Best Practices Guide for Improving Automated License Plate Reader Effectiveness through Uniform License Plate Design and Manufacture*.

The use of common characteristics and predictable designs on license plates will enhance readability, usability, and connections to vehicle registration records. It will also support law enforcement efforts and highway safety, and may increase certain revenue collection which is dependent upon license plate identification, such as toll collection and parking regulations.



Questions

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