



Why The Front Plate Matters...



Why The Front Plate Matters...



Heather Whitton

Cincinnati Police Department

Regional License Plate Recognition Program Manager

It Matters for... Technology



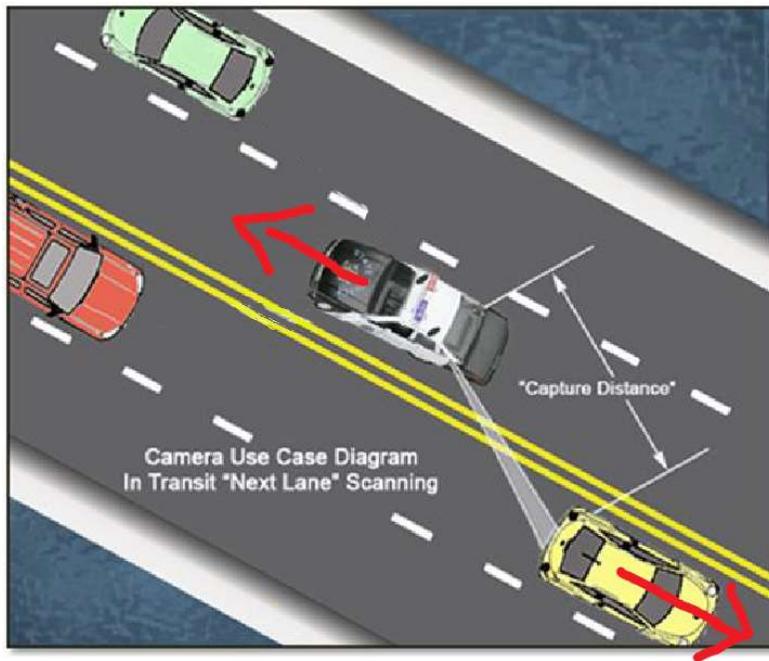
- LPR helps to identify vehicles **not people**
- LPR does what officers have always done, check and note license plates
- Dedicated LPR cameras uses Infrared Illumination
- Software to generate alerts or hits
- Antithesis of profiling
- Investigative tool for law enforcement purposes only
- No red light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



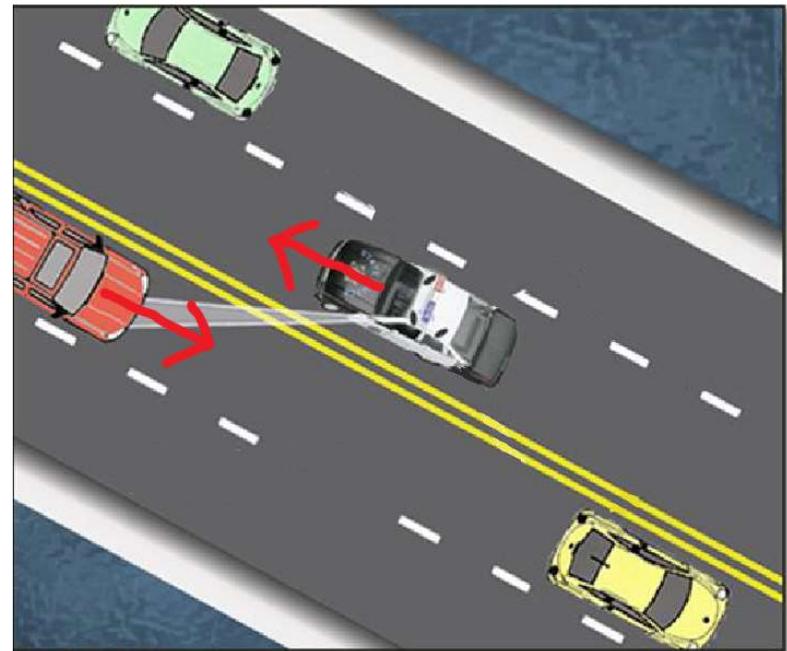
It Matters To... Officers on Patrol



Rear Plates – Vehicles Moving away
Officers have to look back – Alerts at a greater distance



Front Plates – Vehicles approaching
Officers can see Vehicle – Alert / quicker response



It Matters To... Responding Officers



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

Suspects Identified and Arrested



Cincinnati DOUBLE HOMICIDE

Vehicle was read at **6:23 p.m.**

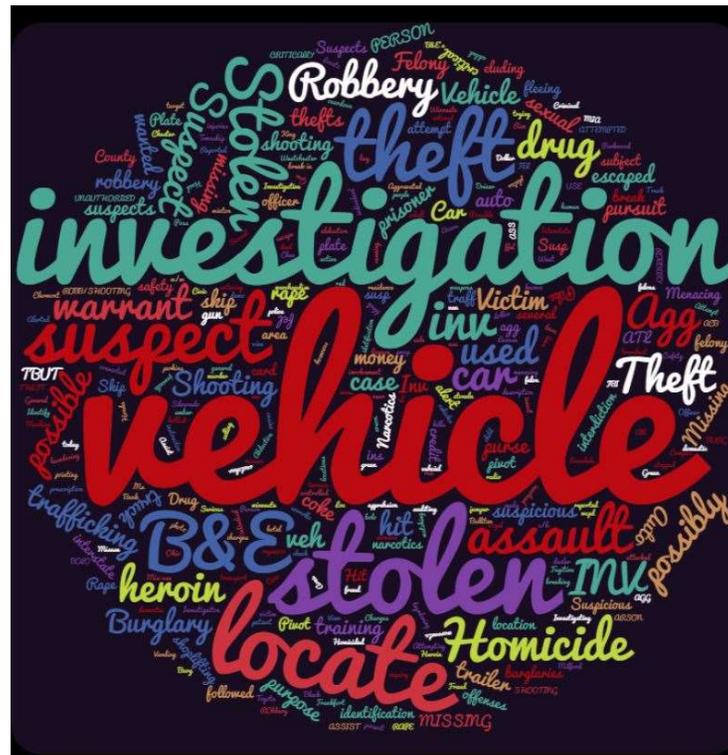
Vehicle belonged to a homicide victim who was discovered murdered in his apartment at

5:00 p.m.

Detective Jeff Norton
- Amberley Village Police



It Matters to... All Types of Crimes



It Matters...When it's NOT There!



Trying to identify above vehicle and occupants involved in an Aggravated Robbery on 8/21/18 at 4518 W. 8th St, Cincinnati District Three. Suspects are described as two male blacks, 6'2"-6'4", thin build, early to mid-twenties. Vehicle appears to have front end damage and has the driver's side headlight out. **No front plate** and a Ohio plate on the rear.

*We can't search and compare
what we don't have!*

We are also looking to identify the vehicle related to the homicide (pictures attached). The vehicle is a maroon 2007 to 2009 Mazda CX 7 with roof rails. It has **no front plate**. We would be interested in anyone who has been operating this vehicle.

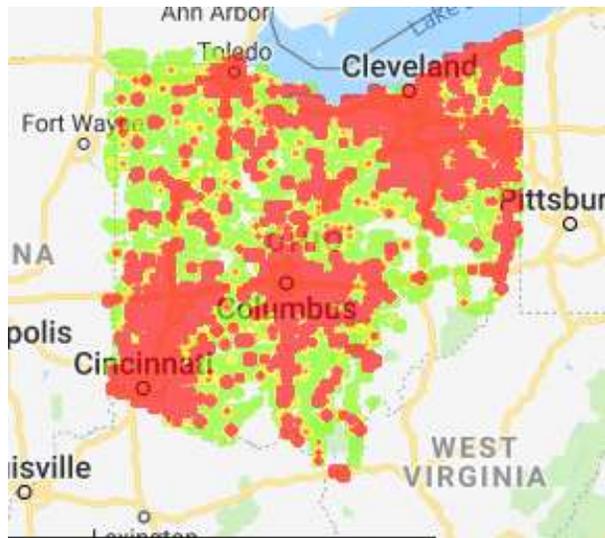
It Matters for... The Ability to Share Data



Ohio Only

Last 60 Days

Ohio/Indiana/Kentucky/Part of WV



LPR Record Count

Total Records:	12,638,404
Zone Selected:	Yes

Zone Show Zone



LPR Record Count

Total Records:	17,050,589
Zone Selected:	Yes

Zone Show Zone

It Matters to... Homeland Security



State and major urban area fusion centers (fusion centers) serve as primary focal points within the state and local environment for the receipt, analysis, gathering, and sharing of threat-related information among federal, state, local, tribal, and territorial (SLTT) partners. Located in states and major urban areas throughout the country, **fusion centers are uniquely situated to empower front-line law enforcement, public safety, fire service (PDF - 22 pages, 2.21 MB), emergency response, public health, critical infrastructure protection (PDF - 30 pages, 3.54 MB)**



Statewide Terrorism Analysis & Crime Center (STACC)



Northeast Ohio Regional Fusion Center (NEORFC)



Greater Cincinnati Fusion Center (GCFC)

It Matters To... Video Systems



Elizabeth Richardson Bar
Manager Shot in the Face Near
Lachey's Cincinnati Sports bar
Van Possibly Associated



MEDIA RELEASE

Public Information Office
352-3515

CINCINNATI POLICE DEPARTMENT CRIMINAL INVESTIGATION SECTION

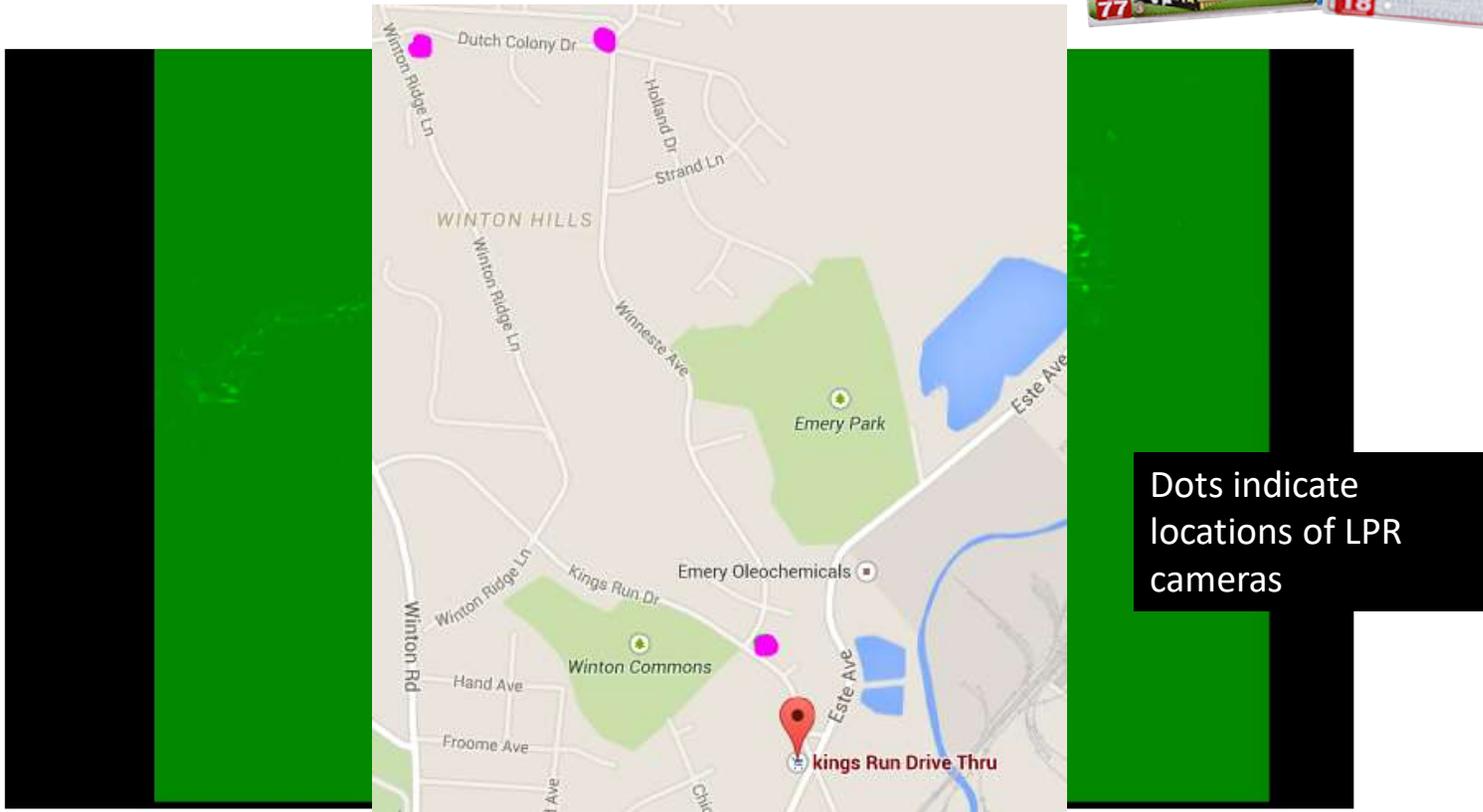
August 25, 2017

Homicide Unit Investigation

On August 24, 2017, at 8:34 p.m., District Four Officers responded to a report of a person shot in the 500 block of Ridgeway Avenue. Responding officers located a victim suffering from a gunshot wound. The victim was transported to University of Cincinnati Medical Center by the Cincinnati Fire Department where he succumbed to his injuries. The victim has been identified as Reco Gunnels, 41 years of age.



It Matters To... Protect the Public



It Matters To... Public Safety



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.

It Matters To... The Evidence



After an argument between two groups of individuals outside a restaurant in the newly renovated Clifton U Square Area just outside of University of Cincinnati's Campus, one of the individuals used her vehicle to strike individuals from the other group of people.

Officer Grein's investigation shows the suspect repaired her vehicle in an attempt to hide the damage from the assault. The vehicle had no windshield damage when brought to him at the station for inspection. Officer Grein then used the License Plate Recognition System by searching for photos of the reported striking vehicle. The officer located a front plate capture showing windshield damage nine hours after the incident.

He also located an image from a few days after showing no damage, indicating the windshield had been repaired.



It Matters To... Victims



Police: Road rage incident spills into pharmacy drive-thru

DELHI TWP, Ohio — Updated: 5:51 PM EDT Apr 13, 2018



Delhi police say a road-rage incident spilled into a Kroger Pharmacy drive-thru on Delhi Road. The victim, Shirley Hollansworth, 67, says it all happened after she honked her horn to alert a driver ahead of her. Hollansworth lowered her window. That's when the woman assaulted her, hitting and scratching her face.

"I was very scared because thinking about it now, it could have been, she could have had a gun. I mean, to proceed to follow somebody that close, into where you were going, that is scary," Hollansworth said.

Police now need help ID'ing the driver of this car.



It Matters To... Victims (cont.)



The plate given by the victim was incorrect (this is very common) however by using the LPR we were able to run several queries to get the correct plate and photos of the vehicle along with a location.

Officers drove immediately to the location and the car was in the driveway.

VIGILANT SOLUTIONS

HHH 8718

Vehicle Images

Vehicle Spotted:
03-29-18 at 9:39:16 AM EDT

The image shows a screenshot of a software interface. At the top is the 'VIGILANT SOLUTIONS' logo. Below it, there is a license plate image with the number 'HHH 8718'. To the right of the license plate is a photograph of a white SUV. Below the license plate and photo, the text 'Vehicle Images' is displayed. At the bottom of the interface, it says 'Vehicle Spotted: 03-29-18 at 9:39:16 AM EDT'.

It Matters To... Puppies!



Crime-fighting tool helps reunite missing dogs with owners

by Angela Ingram, WKRC Friday, February 15th 2019
EAST PRICE HILL, Ohio (WKRC) –

Felicia Smith and her husband own three Akitas: Hannah and her puppies Butterscotch and Kelsey. Last Saturday, the family was frantic when two of the dogs got loose. Smith and her husband split up and drove around the neighborhood looking for their dogs.

She was driving along Rosemont Avenue when she flagged down Officer Alex Saulsbury. Saulsbury had not seen the dogs and drove off, but he had license plate readers on his vehicle capturing Smith's data.

"This car has two on it. The one I drive has three. **It's like having two other officers with two other computers in your car,**" Saulsbury said.

Call it a fluke or a blessing, but Butterscotch and Hannah ended up in front of Heather Whitton's home. Later that evening, Saulsbury saw Whitton's post about the missing dogs.

He remembered passing Smith and took the time to go back through the LPR storage [found her plate] and [used another database and] found her address.



It Matters...Nationally



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.