



# License Plate Recognition/Optical Camera Pilot Project Overview

Tuesday, September 11, 2018

# Purpose

- Discuss the pilot project to use License Plate Recognition in select neighborhoods and video cameras along trails in Addison
- Communication between APD and community members
- Fulfill our dedication to transparency and accountability

# Camera & License Plate Readers

- Overview of plan and Pilot Project locations
- Privacy concerns
- How does it work?
- How will we use the data?
- What are the benefits?

# Camera & License Plate Readers

## Addison Police Department's Plan: 3 Parts

- License Plate Recognition
  - “Flagged” persons of interest, when scanned, will automatically alert patrol officers and investigators.
- Data Sharing
  - Large database to share information with other law enforcement agencies, as determined by council direction.
- Optical Cameras and Facial Recognition
  - Officers in the field will access live camera views from squad car.
  - After the video is downloaded, investigators can analyze images/video clips for known criminals, sex offenders, etc.
  - Locations: White Rock Trail and Easement Trail.

# Camera & License Plate Readers - Pilot



# Camera & License Plate Readers

## Recommended Guiding Principles for LPR Usage

- License Plate Readers should be used by law enforcement agencies only to investigate hits and other circumstances in which law enforcement officers reasonably believe that the plate data are relevant to an ongoing criminal investigation.
- Government should not store data about innocent people for any lengthy period. Unless plate data has been flagged retention periods should be measured in days or weeks, not months and years.
- People should be able to find out if plate data of vehicles registered to them are contained in a law enforcement agencies database.
- Law enforcement agencies should not share plate data with third parties that do not follow proper retention and access policies. They should also be transparent regarding with who they share data.
- Report usage publicly and on an annual basis.



# Camera & License Plate Readers

## How do the scans work?

When a plate is entered into the system, a list is generated of each scan of that plate. This includes:

- Location
- Date/time
- Photo of rear bumper
- Infrared image of license plate numbers/characters

These scans do NOT include:

- Any information about the owner
- Photos of the driver or occupants
- Any information about the driver/passengers
- Any information about the type of vehicle (make/model)

# Camera & License Plate Readers

What do investigators see about my plate?

The screenshot displays a software interface for license plate readers. At the top, there is a row of six camera feed thumbnails, each with a date and time stamp: 07-22-18 9:59:54 PM, 07-15-18 9:48:59 PM, 05-15-18 12:31:36 PM, 05-11-18 12:56:18 PM, 05-01-18 12:08:55 AM, and 04-02-18 2:25:16 AM. Below this is a navigation bar with buttons for 'View', 'Edit', 'Map It', and 'Associate Analysis', along with a 'Results - 50 Records' indicator. A pagination section shows 'Page 1 of 1', 'Go to Page: 1', and 'Records Per Page 50'. The main area is a table with columns: 'Color Overview', 'Plate Image', 'Plate', 'Date', 'Time', 'Scanned By', and 'Sys'. The table contains five rows of data, each corresponding to one of the camera feeds above. At the bottom, there are buttons for 'Output Report', 'Customize View', and 'Save Search', and a checkbox for 'Select All Detections'.

<input type="checkbox"/>	Color Overview	Plate Image	Plate	Date	Time	Scanned By	Sys
<input checked="" type="checkbox"/>			[REDACTED]	07-22-18	9:59:54 PM CDT	Commercial Data	Commerci
<input type="checkbox"/>			[REDACTED]	07-15-18	9:48:59 PM CDT	Commercial Data	Commerci
<input type="checkbox"/>			[REDACTED]	05-15-18	12:31:36 PM CDT	Commercial Data	Commerci
<input type="checkbox"/>			[REDACTED]	05-11-18	12:56:18 PM CDT	Commercial Data	Commerci
<input type="checkbox"/>			[REDACTED]	05-01-18	12:08:55 AM CDT	Commercial Data	Commerci

Hypothetical situation: a vehicle is stolen from a driveway, then two months later is documented by an LPR camera in a nearby town.

Without LPR: investigators have no clue that the vehicle was seen recently or where to find it.

With LPR: the vehicle is found and can be returned to the victim.



# Camera & License Plate Readers

What do investigators see when they check a location?

Target Scanned: 0 / 5 Visits

All Visits  Visits with Target  Target Vehicles only

Visit	DateTime	Plates Scanned	Target Scanned
# 1	08-09-18 21:46:13	7	NO
# 2	08-09-18 21:20:04	500	NO
# 3	08-09-18 21:10:13	500	NO
# 4	08-09-18 21:05:43	76	NO
# 5	08-09-18 18:23:00	5	NO

Plates Scanned

08-09-18 9:10:13 PM

08-09-18 9:10:13 PM

08-09-18 9:10:13 PM

08-09-18 9:10:13 PM

08-09-18 9:10:14 PM

08-09-18 9:10:15 PM

08-09-18 9:10:15 PM

08-09-18 9:10:16 PM

08-09-18 9:10:17 PM

08-09-18 9:10:17 PM

Hypothetical situation: an assault at a restaurant was committed by a young white male driving “an older grey sedan.”

Without LPR: investigators have no way to know what grey sedans were in the area at that time (description is far too broad).

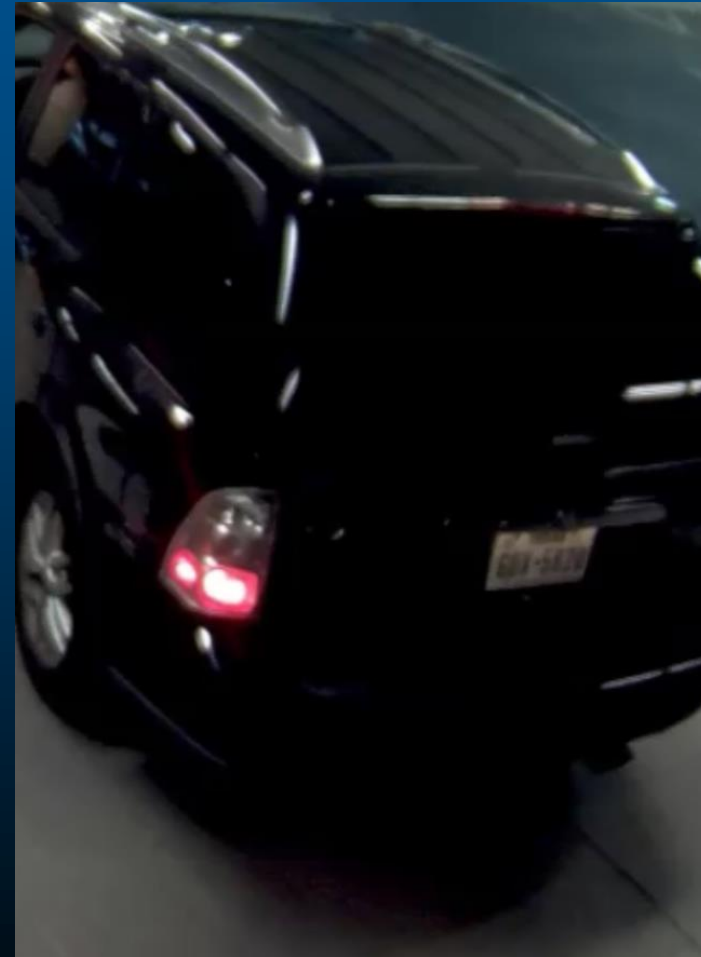
With LPR: investigators can check the scanned vehicles at that date/time/location and see that twelve older grey sedans were in the parking lot right before the assault. The investigation can then continue their investigation (photo line up, interviews, etc).

# Camera & License Plate Readers

## Current Examples

### Fiori Burglary of Motor Vehicles:

- Video footage captured two Hispanic males committing at least 15 BMVs in the Fiori parking garage by pulling on car door handles.
- The video also included a blurry view of the rear of the suspect's vehicle: a Saab SUV.
- Using a special “wildcard” search on LPR with the partial license plate and the make of the car, the department was able to match the appearance of the known and unknown letters and numbers to the correct suspect vehicle.
- The suspect vehicle was stolen out of Eules at the time of the offense and the suspects could not be identified, but LPR allowed us to get much closer to solving this case than would have been otherwise possible.



# Camera & License Plate Readers

## Current Examples



### Aggravated Assault Offense :

- A male driver exposed himself to a female driver then proceeded to purposefully crash into her car multiple times.
- The victim was able to remember the license plate but the registered owner's address out of Carrollton provided no leads.
- An LPR search of the license plate revealed the owner's true address in Dallas, enabling detectives to find the truck parked outside, take photos, and tow the vehicle for investigatory purposes before the suspect was able to fix the body damage.
- Further investigation into the household where the truck was parked was able to produce a possible suspect.

# Camera & License Plate Readers

## Key Facts

- Intent is not to watch people.
- Data will only be used when a crime has occurred or when an alert is been generated.
- Data will automatically be purged after a period of time.
- Project will be open and transparent to ensure community acceptance and approval.
- Clear policies will be enacted to guide process.



Q & A