

FLOCK Automatic License Plate Reader (ALPR) TTI & PSHS Presentation

Date: August 4, 2022

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FLOCK ALPR Camera Proposal

- COH plans to lease FLOCK ALPR cameras at various locations to help combat violent crime
- Several City Council members have contributed funds to lease cameras for year 1 of the proposed 5 year contract
- Contract is planned for City Council presentation on August 17, 2022



Main ALPR Model

- FLOCK Flex:

Solar powered ALPR Camera: 8.75”L x 5”H x 2.875”W

Can also be connected to 120AC power if necessary



Optional ALPR Model

- FLOCK Falcon Flex: Highly portable

Rechargeable battery powered ALPR Camera



Battery power for up to 30,000 reads before requiring a recharge.

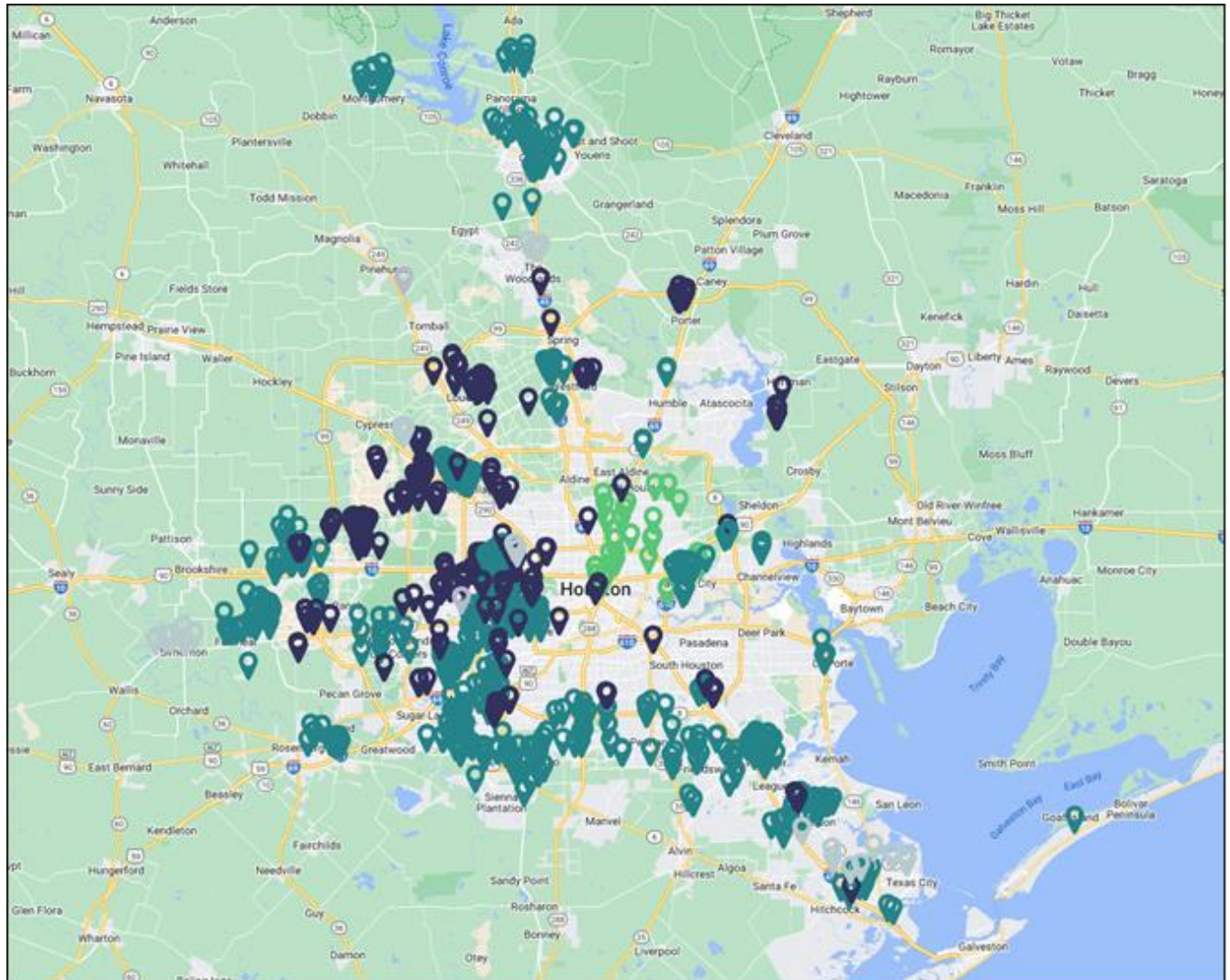
Houston Area FLOCK ALPR use

LEGEND

Light Green:
HPD
Cameras

Navy Blue:
Private
Cameras
shared
w/HPD

Turquoise:
Other LE
Agency ALPR
shared
w/HPD



ALPR Camera Functionality Requirements

- Cameras must recognize license plates from all 50 states, District of Columbia, US Territories, Canada, and Mexico in daylight and darkness
- Must capture readable license plates at speeds up to 100 MPH
- Camera range is 15ft to 100ft distance
- Accuracy of license plate reads must meet or exceed 95% in typical field trials

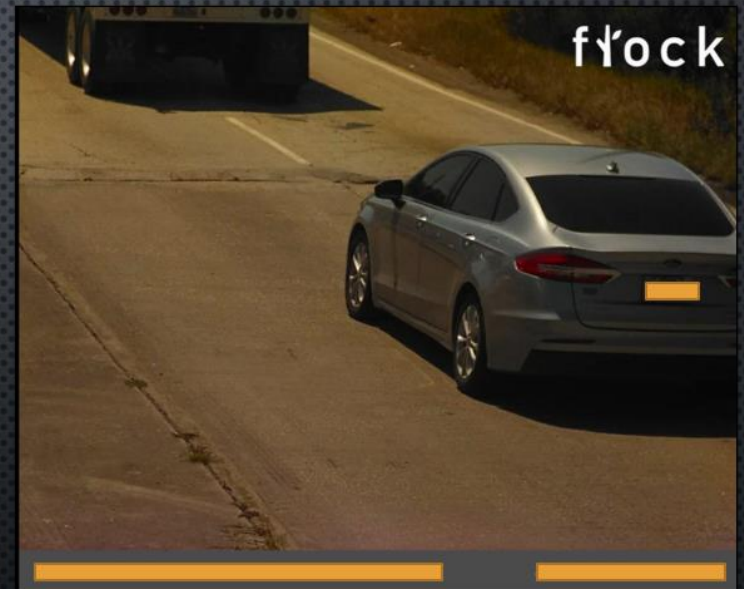


ALPR Success Story

ALPR Success Story

Crime Suppression Team Uses ALPR To Locate Wanted Murder Suspect

In June of 2022, the Clear Lake CST was tasked with locating a wanted murder suspect. Through research and fieldwork, the team developed a vehicle, belonging to the suspect's wife. The suspect was previously listed as the driver, on a prior accident report. The CST added the vehicle to a "Custom Hotlist" on the Flock Safety ALPR system and within minutes received a hit near the Port of Houston. As more alerts came in, officers developed a plan to locate the vehicle with UC surveillance. In short time, the vehicle was located, and the wife was observed to be the sole occupant. After a few hours of rolling surveillance, the wife drove to a gas station in Pearland, where she met with the suspect. Officers were able to take him into custody without incident.



ALPR Stolen Vehicles Success

ALPR Success Story

Northeast CST – Frequently Locating Stolen Vehicles

By utilizing Flock Safety's NCIC and Custom Hotlist alerts, the Northeast Crime Suppression Team is consistently locating stolen vehicles:

July 1st, located two separate stolen vehicles which had been parked; possibly to be utilized at a later time. After surveilling, vehicles were recovered. Two separate incidents.

July 8th, located a rolling stolen vehicle, observed the driver park at a Family Dollar, and uniformed officers quickly took the suspect into custody; charged with UUMV.



ALPR Missing Juvenile Recovery

In this example HPD officers proactively recovered a stolen vehicle, arrested a felony suspect, and most importantly located a missing (possibly trafficked) female juvenile; who they were able to return to her family.

Plate	TX [REDACTED]	Source	NCIC	Camera	7C20 - Lockwood (SB) from 610
Date	7/11/2022, 8:37:58 PM	Topic	Stolen Vehicle	Network	Houston TX PD
	2 days ago	Description	WHI STRN VUE		

		
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ALPR proposed costs

- ALPR Cameras are leased for \$2500 each
- Installation charge of \$250 per camera
- ALPR Cameras can be moved as needed
- Solar powered with option for 120v AC if needed
- FLOCK to provide installation hardware (pole, clamps, etc.) where necessary
- Installation schedule TBD



Procurement by District or Department

Council Member	District	Quantity
Amy Peck	A	50
Tarsha Jackson	B	0
Abbie Kamin	C	0
Evan/Shabazz	D	40
Dave Martin	E	6
Tiffany Thomas	F	40
Mary Nan Huffman	G	50
Karla Cisneros	H	10
Robert Gallegos	I	10
Edward Pollard	J	40
Martha Castex-Tatum	K	0
Houston Public Works Department		72
Administration & Regulatory Affairs		25
Houston Police Department		17
TOTAL		318



NEXT STEP

Council Action in August



Questions?

