

Supplemental Information

Precision Policing is one of the MNPD's three core pillars, and ALPR technology is a very effective and important tool available to law enforcement to help achieve this. The department gathered ALPR Camera Reads and Hit Notifications during four separate time periods. The results below are ten days' worth of data from those sampling periods.

First 10-day period of ALPR Camera Reads, Hit Notifications, and Verified Hits.

Automated License Plate Reader and Hit Results			
Quadrant	Total ALPR Camera Reads	Total Hit Notifications	Verified Hits
Quadrants A	1,456,321	356	72
Quadrants B	2,320,816	2,442	80
Quadrants C	1,940,784	1,698	22
Quadrants D	142,041	31	6
Total:	5,859,962	4,527	180

Second 10-day period of ALPR Camera Reads, Hit Notifications, and Verified Hits.

Automated License Plate Readers and Hits Results			
Quadrant	Total ALPR Camera Reads	Total Hit Notifications	Verified Hits
Quadrants A	929,549	161	205
Quadrants B	1,598,868	606	133
Quadrants C	887,938	520	83
Quadrants D	139,984	171	22
Total:	3,556,339	1,458	443

Third 10-day period of ALPR Camera Reads, Hit Notifications, and Verified Hits.

Automated License Plate Readers and Hits Results			
Quadrant	Total ALPR Camera Reads	Total Hit Notifications	Verified Hits
Quadrants A	1,911,157	297	224
Quadrants B	1,833,051	2,571	179
Quadrants C	1,010,110	602	101
Quadrants D	183,662	432	35
Total:	4,937,980	3,902	539

Fourth 10-day period of ALPR Camera Reads, Hit Notifications, and Verified Hits.

Automated License Plate Readers and Hits Results			
Quadrant	Total ALPR Camera Reads	Total Hit Notifications	Verified Hits
Quadrants A	2,344,649	265	65
Quadrants B	1,671,710	1,888	64
Quadrants C	1,666,849	945	37
Quadrants D	444,598	414	18
Total:	6,127,806	3,512	0

Total of all 10-day sampling periods of ALPR Reads, Hit Notifications, and Verified Hits.

Automated License Plate Reader and Hit Results			
Quadrant	Total ALPR Cameras Reads	Total Hit Notifications	Verified Hits
Quadrants A	6,638,676	1,079	566
Quadrants B	7,424,445	7,507	456
Quadrants C	5,505,681	3,765	243
Quadrants D	910,285	1,048	81
Total:	20,479,087	13,399	1,346

Precision Policing

Estimates show that ALPR cameras read 511,977 plates a day with an approximate 71 million license plates read, total, during the pilot program. The information below demonstrates the effectiveness of ALPR technology.

Daily Average plates read: 511,977.

Days ALPRs read license plates: 140.

Estimated Total Number of Reads: 71,676,804

- Quadrant A: 23,235,366
- Quadrant B: 25,985,557
- Quadrant C: 19,269,883
- Quadrant D: 3,185,997

Out of the estimated 71 million license plate read, **112** arrests were made. **103** which negatively impacted the community and were linked to a local criminal history in Davidson County, since 2007. Those individuals share a total **829** arrests on **1,593** charges with the following characteristics:

- 87 Violent Felony Charges
- 30 Robbery charges
- 128 Auto Theft Charges
- 50 Burglary Charges
- 87 Misdemeanor Assault Charges
- 371 Drug Charges
- 47 Gun Charges

Recovered Firearms

Of the **14** Firearms recovered, **12** are semi-automatic pistols including an AR-15 pistol and 1 Glock Switch which turns a pistol into a machine gun.

NIBIN is a program where crimes are linked by shell casings. 5 recovered firearms have NIBIN associations:

- Skyy Industries 9MM Semi-Automatic: 2 NIBIN-related incidents (used in a robbery 17 days before seizure.)
- Glock 23: 47 NIBIN-related incidents (used in an aggravated assault in January 2023.)
- Glock 45: 81 NIBIN-related incidents (used in an aggravated assault in June 2022 and a shots fired call in July 2022
 - ◆ Reported Stolen From 2nd Avenue and Bank Street. TFMV 10/21/21
- Taurus G3: 2 NIBIN-related incidents (used in aggravated assault 12 days before seizure.)
- Glock 17: NIBIN-related incident (used in aggravated assault in LaVergne in January 2023.)
 - ◆ Reported Stolen from 1129 Cahal Ave TFMV – 03/21/2022

Locations of Stolen Vehicle/Plates:

- 21 Out of County
- 7 Out of State
- 27 Quadrant A: (13 East, 8 Madison, and 6 North)
- 18 Quadrant B: (12 Hermitage and 6 South)
- 16 Quadrant C: (11 South, 4 Midtown, and 1 Hermitage)
- 13 Quadrant D: (7 West, 3 Central, 2 North, and 1 Midtown)

Arrest Incident Detail:

- MNPD recovered 26 vehicles unoccupied (No Arrests)
- Of the 73 Arrest Incidents, 18 incidents had multiple suspects arrested.
- 51 Arrests Incidents in Quadrant A
- 6 Arrests Incidents in Quadrant B
- 7 Arrests Incidents in Quadrant C
- 7 Arrests Incidents in Quadrant D
- 2 Arrest Incidents were Out of County and related to the ALPR Verified Hits

Addresses of Persons Arrested - Quadrant A

- **51 Arrest Incidents by Quadrant A (73 persons arrested in Quadrant A)**
- 20 arrest incidents, 29 persons arrested in North (Quadrant A)
 - 9 lived in North Precinct (Quadrant A)
 - 3 lived in East Precinct (Quadrant A)
 - 7 lived in Madison Precinct (Quadrant A)
 - 4 lived in West Precinct (Quadrant D)
 - 1 lived in Hermitage Precinct (Quadrant B)
 - 1 lived in Midtown Precinct (Quadrant D)
 - 1 lived in Central Precinct (Quadrant D)
 - 1 lived in South Precinct (Quadrant C)
 - 1 lived Out of State
 - 1 lived Out of County
- 18 arrest incidents, 24 persons arrested in East (Quadrant A)
 - 7 lived in East Precinct (Quadrant A)
 - 5 lived Out of County
 - 3 lived in Central Precinct (Quadrant D)
 - 3 lived in Hermitage Precinct (Quadrant B)
 - 2 lived in Madison Precinct (Quadrant A)
 - 1 lived in North Precinct (Quadrant A)
 - 1 lived in North Precinct (Quadrant D)
 - 1 lived in Midtown Hills (Quadrant C)
 - 1 lived Out of State
- 13 arrest incidents, 20 persons arrested in Madison (Quadrant A)
 - 9 lived in Madison Precinct (Quadrant A)
 - 2 lived in Central Precinct (Quadrant D)
 - 2 lived in East Precinct (Quadrant A)
 - 2 lived in Hermitage Precinct (Quadrant B)
 - 2 lived in West Precinct (Quadrant D)
 - 2 lived Out of County
 - 1 lived in North Precinct (Quadrant A) - Warrant serviced from Lavergne, TN

Addresses of Persons Arrested - Quadrant B

- **6 arrest incidents in Quadrant B (10 persons arrested in Quadrant B)**
- 2 arrest incidents in Hermitage Precinct with 4 persons arrested
 - 1 lived in Hermitage (Quadrant B)
 - 1 lived in North (Quadrant D)
 - 1 lived in West (Quadrant D)
 - 1 lived in East (Quadrant A)
- 4 arrest incidents in South Precinct with 6 persons arrested
 - 2 lived Out of County
 - 2 lived in South Precinct (Quadrant B)
 - 1 lived in Hermitage Precinct (Quadrant B)
 - 1 lived in Madison Precinct (Quadrant A)

Addresses of Persons Arrested - Quadrant C

- **7 arrest incidents in Quadrant C (11 persons arrested in Quadrant C)**
- 1 arrest incident in Hermitage Precinct with 2 persons arrested
 - 1 lived in South (Quadrant C)
 - 1 lived in West (Quadrant D)
- 2 arrest incidents in Midtown Precinct with 2 persons arrested
 - 1 lived in South (Quadrant C)
 - 1 lived in South (Quadrant B)
- 4 arrest incidents in South Precinct with 7 persons arrested
 - 2 lived in Midtown (Quadrant C)
 - 1 lived in South (Quadrant C)
 - 1 lived in South (Quadrant B)
 - 1 lived in East (Quadrant A)
 - 1 lived Out of County
 - 1 lived in Hermitage (Quadrant B)

Addresses of Persons Arrested - Quadrant D

- **7 arrest incidents in Quadrant D (13 persons arrested in Quadrant D)**
 - 2 arrest incidents in Central Precinct with 3 persons arrested
 - 2 lived Out of County
 - 1 lived in Central Precinct (Quadrant D)
 - 4 arrest incidents in North Precinct with 9 persons arrested
 - 2 lived in North (Quadrant A)
 - 2 lived in Madison (Quadrant A)
 - 2 lived in Midtown (Quadrant C)
 - 2 lived in Central (Quadrant D)
 - 1 lived in North (Quadrant D)
 - 1 arrest incident in West Precinct with 1 person arrested
 - 1 lived Out of County

Historical Searches							
	Total	Search Status			Results Summary		
		Completed	Denied	Need More Info	Positive Hit Results	Negative Hit Results	No Search Conducted
Assault	14	11	1	2	7	4	3
Fatal H&R	1	1	0	0	0	1	0
Gun Violence	77	69	7	0	40	29	7
Homicide	29	24	2	3	15	9	5
Missing Person	4	3	1	0	2	2	0
Reckless Driving	1	0	1	0	0	0	1
Stolen License Plate	4	2	2	0	2	0	2
Stolen Vehicle	14	8	6	0	3	5	6
Traffic Offense	6	5	1	0	2	3	1
Vehicle Break-in	1	0	1	0	0	0	1
No Criminal Nexus	2	0	2	0	0	0	2
Totals	153	123	24	5	71	53	28

Historical Search Meanings:

Total - Total searches requested for each Criminal Nexus.

Completed - Search request was within policy and completed.

Denied - Search request was not within policy or not enough information was given by requestor therefore no search was completed

Need More Info - Search requestor did not provide enough information to verify if it was within policy.

Most Requested Historical Searches

- 1. Gun Violence**
- 2. Homicide**
- 3. Assault and Stolen Vehicle**



METRO NASHVILLE POLICE DEPARTMENT INVESTIGATIVE SUPPORT DIVISION

COMMUNITY SAFETY CENTER

License Plate Reader Query Request Form



Date: _____ **Complaint/Case Management Number:** _____

Requestor's Name: _____ **Employee Number:** _____

MNPD Division/Unit: _____

Approving Supervisor's Name: _____ **Request:** Historical Data: _____ Hot List: _____

UCR or NCIC (Criminal Nexus):

Investigating and prosecuting felony offenses and criminal offenses associated with a violent crime:

Gun Violence

Homicide

Assault

Stolen Vehicle

Stolen License Plate

Traffic Offense

Reckless Driving; including illegal drag racing activity at speeds in excess of 70 miles per hour

Fatal Crash/Hit and Run Crash Investigation

Missing/Endangered Person

Amber Alert

Silver Alert

Purpose/Reason:

License Plate: _____

Vehicle Description: _____

Anticipated Location: _____

Attach any photos of the suspect vehicle to email.

I have read, understand, and signed the following roll call trainings:

License Plate Reader Systems (LPR) - Policy for Pilot Program

LPR Training 2023

Introduction to the MNPD Community Safety Center (CSC)

Requestor's Signature: _____

Printed Name: _____

Title: _____

Phone Number: _____

Email: _____

Please send completed form to NCSC@nashville.gov