

ALPR Pilot Program Timeline:

January 23, 2023 -The ALPR Cameras Pilot Program began.

January 23, 2023-February 23, 2023 - Camera installation, training, and workflow finalized

February 23, 2023 - The Pilot Program went live

February 27, 2023 - The Pilot Program stopped due to signage issue.

March 3, 2023 - All signage was installed.

March 6, 2023 - The pilot program restarted.

March 13, 2023 - First ALPR Council Report

May 23, 2023 – Second ALPR Council Report

July 8, 2023 – Third ALPR Council Report

Future Dates:

Pilot Program ends on July 22, 2023

The below data is based upon ALPR activity from May 18th – July 6th.

Metro Nashville Police Department									
ALPR Pilot Camera Summary									
Mobile Vehicles:	10		Fixed Locations:	24		Trailer Locations:	7		
Mobile ALPR Cameras			Fixed ALPR Cameras**			Trailer ALPR Cameras		Total - All ALPR cams	
Quadrant	Qty		Quadrant	Qty		Quadrant	Qty	Quadrant	Qty
A	6		A	19		A (2 trailers)	2	A	27
B	6		B	19		B (1 trailer)	2	B	27
C	3		C	20		C (2 trailers)	4	C	27
D	9		D	18		***D (2 trailers)	3	D	30
ALL*	6							All	6
Total:	30		Total:	76		Total:	11	Total:	117

Camera Notes:

*"ALL" refers to one Traffic Unit and one Violent Crime Unit, both of which operate countywide.

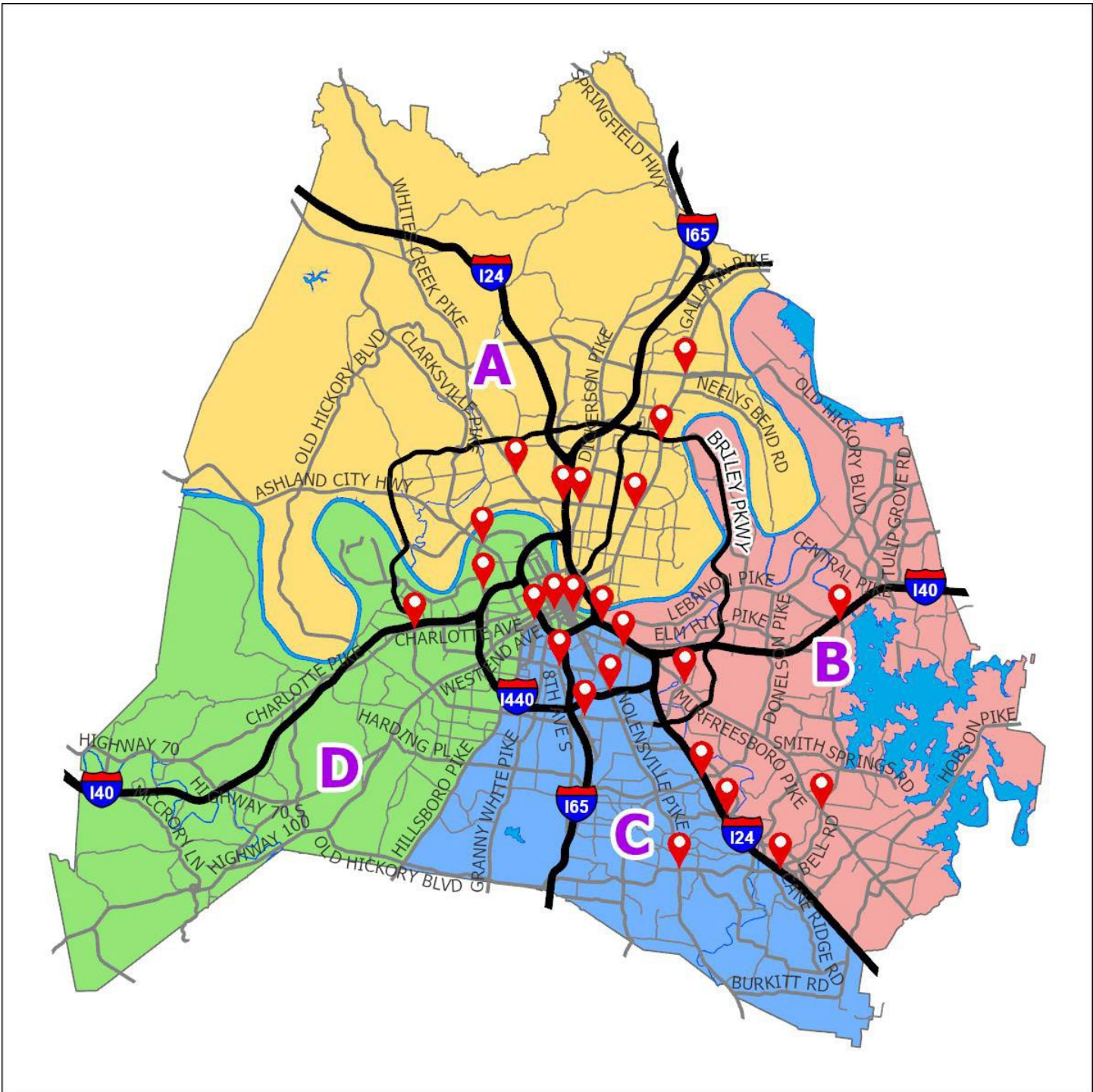
*Three Mobile ALPR Cameras are installed on each MNPd vehicle assigned to the ALPR Pilot Program.

**Fixed ALPR Cameras are facing intersections and installed to cover all lanes of travel

***One trailer in Quadrant D has only one camera; the rest have two

License Plate Reader Hits and Results		
Quadrants	Total ALPR Cameras Reads	Total Hit Notifications
Quadrants A	1,911,157	297
Quadrants B	1,833,051	2,571
Quadrants C	1,010,110	602
Quadrants D	183,662	432
Totals	4,937,980	3,902

Note: Collection of the above data is a manual process and serves as an example of the reads and notifications occurring between June 26 - July 6, 2023.



Summary by Quadrant

Quadrant	Verified Hits	Vehicle Stops	Driver or Vehicle Searches	Arrests	Vehicle Recoveries
A	224	7	30	31	18
B	179	1	3	3	3
C	101	0	3	3	1
D	35	1	5	5	2
Totals	539	9	41	42	24

Note: ALPR activity from June 26 - July 6, 2023

Summary by ALPR Site

Quadrant	Intersection	Verified Hits	Vehicles Stops	Driver or Vehicle Searches	Arrests	Vehicles Recoveries
A	Dickerson Pk & Trinity Ln	53	3	4	5	5
	Gallatin Pk & Briley Pkwy	21	1	5	5	2
	Gallatin Pk & Old Hickory Blvd	42	1	4	4	3
	Gallatin Pk & E Trinity Ln	32	1	3	3	2
	Mobile A	3	1	2	2	2
	W Trinity Ln & Brick Church Pk	39	0	3	3	2
	Whites Creek Pk & Moorman's Arm Rd	34	0	9	9	2
B	Bell Rd & I-24	56	0	3	3	0
	Harding Pl & I-24	15	0	0	0	0
	Haywood Ln & I-24	9	0	0	0	0
	Mobile B	4	0	0	0	1
	Murfreesboro Pk & Bell Rd	58	0	0	0	2
	Murfreesboro Pk & Thompson Ln	17	1	0	0	0
	Stewarts Ferry & I40	20	0	0	0	0
C	8th Ave S & Wedgewood Av	0	0	0	0	0
	Hermitage Ave & Fairfield Av	1	0	0	0	0
	Mobile C	2	0	0	0	1
	Murfreesboro & Fesslers	11	0	3	3	0
	Nolensville & I-440	11	0	0	0	0
	OHB & Nolensville	60	0	0	0	0
	Thompson & 100 Oaks	16	0	0	0	0
D	1st Av S & Korean Veterans	15	0	2	2	1
	Broadway & Rosa Parks	2	0	0	0	0
	Broadway & West End Av	2	0	0	0	0
	Charlotte Pk & Whitebridge Pk	1	0	0	0	0
	Clarksville Pk & Ed Temple Blvd	8	1	3	3	1
	Jefferson St & 28th Av N	7	0	0	0	0
	Mobile D	0	0	0	0	0

NOTES/Definitions:

- **Total ALPR Camera Reads:** Number of times the ALPR Camera reads a license plate.
- **Hit Notification:** ALPR system captures image of license plate, queries law enforcement databases, and alerts MNPd that a vehicle wanted by law enforcement has been detected.
- Hit notification includes stolen vehicles, stolen license plates, missing persons, warrants, orders of protections, and sex offender registry.

- **Verified Hit:** MNPD employee confirms the information to be accurate, giving authorization to conduct a vehicle stop.
- Fixed and Trailer ALPRs are powered by solar, and data is transmitted by cellular.
- The ALPR Team monitors from 0600 hours until 2300 hours Monday-Friday.
- **Assigned Officers review the hit notifications and only verify the following categories as Verified Hits using a dual verification process:** Stolen Vehicle, Stolen License Plate, Wanted Violent Offender, and Missing / Endangered person.

Examples:

- An LPR hit was received at approximately 0847 at Gallatin Pike/Briley Pkwy for a vehicle that was taken with keys on 5/17/2023. A radio BOLO was broadcast by operators with the vehicle description, tag number and direction of travel. North CFIT units responded to the area and located the vehicle at 1408 Gallatin Pike N. North CFIT units took the occupants into custody. Suspect was the driver of the vehicle and was charged with Motor Vehicle Theft. The passenger was arrested on four outstanding misdemeanor warrants.
- The personnel received an LPR hit on a stolen Kia Sportage at W Trinity Ln & Brick Church Pike. Personnel BOLO the hit via radio and CAD. VCI units spotted the vehicle and followed it. Air 1 assisted. The occupants drove the vehicle to the area of Buena View Blvd and Farmview Dr where they bailed out and were eventually taken into custody. Three juveniles were arrested and charged with Motor Vehicle Theft and Evading. A stolen Glock 17 handgun was located under a porch in the area the juveniles fled through. There were no charges relating to the weapon.
- Personnel received an LPR detection for a stolen TN plate. At the time of the alert the plate was displayed on a white Dodge Charger. The detection was announced via radio. Units with East CFIT later located the vehicle as it was operated erratically in the area of Trinity Ln and Dickerson Pike. Air 1 monitored the vehicle until it stopped in the 5300 block of Cane Ridge Rd where three suspects exited the vehicle and ran to a waiting Chevy Impala. Suspect 1 was later identified as the driver of the Charger. Suspect 1 was observed carrying an AR-style pistol as he ran to the Impala. The Impala was followed by Air 1 until it arrived at 850 Richards Rd where the suspect ran from the vehicle carrying the AR-style pistol. The suspect 1 was apprehended, and the AR pistol recovered along his flight path. A search of suspect 1's person, incident to arrest, yielded the key fob to the white Dodge Charger. A search of the Impala, incident to arrest, yielded a Glock 23 pistol located where suspect 2 was seated in the vehicle. A search of suspect 2, incident to arrest, yielded a Glock "switch" used to covert Glock pistols to full auto firing. The female driver of the Impala admitted to being called to pick up the three suspects in the 5300 block of Cane Ridge Rd and was released without charges. Suspect 1 was charged with 1st Offense Juvenile Handgun Possession, Vehicle Theft, Reckless Endangerment- Motor Vehicle, and Alter-Destroy Engine or Serial Number. Suspect 2 was charged with Contributing to the Delinquency of a Minor, Joyriding, and Weapon – Prohibited – Felony. The white Dodge Charger was found to be stolen out of Smyrna, TN and was recovered along with the stolen plate. A third suspect was issued two misdemeanor citations (Contributing to the Delinquency of a Minor and Joyriding).
- Personnel received an LPR detection on a stolen Kia Soul bearing a TN plate. The detection was announced via CAD and radio. The vehicle was later located by officers near Lebanon Pike & Spence Ln and a vehicle pursuit was initiated. The vehicle was spiked at Fesslers Ln and Elm Hill Pike. The pursuit terminated at Green St and Claiborne St where two female juveniles were apprehended.

- At approximately 1427 hours a silver 2015 Chevy Cruze was taken in a robbery from 901 12th Ave S. An immediate LPR search was conducted, and the vehicle was detected in Murfreesboro Pike and Fesslers Lane area at approximately 1449 hours. The vehicle was detected several more times throughout the day in the same area. The vehicle was later located on I-24 W near the county line. MNPD coordinated with Clarksville PD and THP leading to THP locating the vehicle and initiating a pursuit. The vehicle fled into KY where it was involved in an MVA. THP and KSP took three suspects into custody. Juvenile petitions were obtained for Aggravated Robbery/Carjacking based on surveillance video obtained by VCD Operations.
- Operators advised via radio of a verified LPR detection on a white Kia Soul bearing TN tag stolen out of Gallatin, TN. North CFIT units located the vehicle in the 100 block of W Trinity Lane. Air 1 and K9 were requested and responded to the scene to assist. A vehicle block was conducted, and the driver was taken into custody without incident.
- An LPR hit was received for a stolen vehicle at Whites Creek Pike and Moormans Arm Rd bearing MI tag. A CAD BOLO was sent to North with the vehicle description, tag number and direction of travel. North CFIT units were in the area and began searching for the vehicle. The vehicle was spotted and followed to the 2200 block of Whites Creek Pike. Three subjects were taken into custody. A search of the vehicle yielded a white substance that was field tested and tested positive for cocaine. The total amount found was 61.1 grams. All three individuals were arrested and charged accordingly.
- An LPR hit was received for a stolen vehicle at Gallatin Pike and Old Hickory Blvd. Operator sent a CAD BOLO to Madison with the vehicle description, tag number and direction of travel. Officers in the area spotted the vehicle parked in the 300 block of S. Gallatin Pike. Two suspects were taken into custody. Inside the vehicle officers located drug paraphernalia, approximately 10 grams of heroin and a handgun. The passenger of the vehicle admitted all the items were his and he was charged accordingly. The driver of the vehicle was also charged with Motor Vehicle Theft.
- Operators received a hit for a stolen vehicle at Gallatin Pike and Trinity Ln. A BOLO was aired with the vehicle description, tag number and direction of travel. Detectives with Vehicle Crimes searched the area for the stolen vehicle. The vehicle was located, parked in the 100 block of Harrington Ave and the suspect was observed in the driver's seat. The suspect was taken into custody. It was discovered that the suspect had two active warrants which were verified with the Warrants Division. The suspect was also charged with Motor Vehicle Theft.
- An LPR hit was received for a stolen plate at Whites Creek Pike and Moormans Arm Rd. Operator aired a BOLO and generated a CAD BOLO to North. North CFIT units were in the area and searched for the vehicle. The vehicle was found in the 3900 block of Clarksville Pike. The suspect was taken into custody. Suspect was found to have active out of county warrants with extradition. The suspect was taken to booking for the warrants and charged with Theft of Property for the stolen tag.
- A mobile LPR unit received a hit on a stolen vehicle located in the 3000 block of Lincoya Bay Dr. Operators confirmed the hit. The vehicle was parked and unoccupied with two flat tires. The vehicle had been taken in a robbery in March of 2023. The vehicle was recovered without an arrest.
- Operators received an LPR hit on a stolen vehicle at Dickerson Pike & Trinity Lane. The vehicle had been taken with keys in mid-May 2023. A vehicle stop was conducted at Whites Creek Pike & Avalon Drive where suspect, who was the sole occupant of the vehicle, was taken into custody. Suspect was charged with Theft of Vehicle and No D/L.

- Operator received an LPR hit for a stolen gray Nissan Maxima at Dickerson Pike & Trinity Lane. A BOLO was generated via CAD, and broadcast via radio. East CFIT and East patrol officers located the vehicle in the 1200 block of N 2nd St. The owner advised that they had located and recovered the vehicle on 5/24/2023 but failed to notify police that the vehicle had been recovered. A recovery report was completed to have the vehicle removed from NCIC.
- Operator received an LPR hit for a stolen vehicle taken in a robbery. The vehicle was a white Ford Econoline work van. Operator broadcast a BOLO via radio and CAD, and the vehicle was located by VCI units in East Precinct. Attempts to stop the vehicle were unsuccessful. Air 1 assisted and followed the suspect as he drove the vehicle out of county. Multiple agencies in surrounding counties pursued the suspect and eventually successfully deployed spike strips. Before the conclusion of the pursuit, the suspect communicated via phone to the ECC that he was on drugs and intended to commit suicide by cop. Shortly after the vehicle was successfully spiked the suspect vehicle collided with a THP vehicle, and the suspect was taken into custody without incident. The vehicle was found to be registered to the suspect, and it is apparent that he recovered his vehicle but did not notify police of its recovery. It is unknown why the suspect fled from the attempted stops, nor is it currently known what his charges will be in the out of county incidents.
- Operator received an LPR hit on a stolen plate, on a white Toyota Sienna van, at Dickerson Pike & E Trinity Lane. A BOLO was broadcast via radio and CAD. Air 1 was able to locate the vehicle as it approached downtown on James Robertson Pkwy. A coordinated effort by Air 1, Operator using PD Safety Cameras, and Central Precinct patrol officers led to a stop of the vehicle as it entered a parking garage at 3rd Ave N & Commerce St. The driver was charged by citation with Theft of Property and Possession of Drug Paraphernalia.
- Operator received an LPR hit on a stolen black Acura RDX at W Trinity Lane & Brick Church Pike. The vehicle was traveling in tandem with another stolen vehicle, a red Nissan Altima. North CFIT detectives located the vehicles and conducted a coordinated takedown on both in the 2200 block of Whites Creek Pike. Two suspects were arrested out of the Nissan Altima and charged with Theft of Motor Vehicle, No DL and Drug Possession. Another juvenile suspect was arrested out of the Acura RDX and charged with Theft of Motor Vehicle. It is worth noting that two of the suspects were previously arrested on 5/23/2023 in a stolen vehicle and charged with Theft of Motor Vehicle and Joyriding respectively.
- Operator received an LPR hit on a stolen dealer tag, on a white Chevy Silverado. South patrol officers located the vehicle and conducted a traffic stop at Murfreesboro Pike & Old Hickory Blvd. It was discovered that the tag had been improperly entered into NCIC by Smyrna PD, or that Smyrna PD had been provided with the wrong tag number by the dealership. A recovery was completed to have the tag removed from NCIC.
- A mobile LPR unit received a hit on a stolen vehicle, on a blue Kia Optima. East CFIT and Air 1 followed the vehicle the 1400 block of Lebanon Pike, but temporarily lost visual on the vehicle when the occupants turned off the lights. Once the vehicle was located, it was unoccupied. The vehicle was recovered and removed from NCIC.
- Operator received an LPR hit on a stolen license plate, on a black over gold Ford F150, at Gallatin Pike & Old Hickory Blvd. Madison CFIT units located the vehicle and conducted a traffic stop. Their investigation showed that the tag had been falsely reported as stolen by the previous owner of the truck and was registered to the driver of the vehicle. A recovery report was done to have the tag removed from NCIC
- A Hermitage CFIT unit was conducting routine patrol in the 2100 block of Elm Hill Pike when the mobile LPR on his patrol vehicle alerted him to a stolen vehicle, on a Honda Ridgeline. The vehicle was unoccupied at the time

of the hit therefore no arrests were made. The vehicle was recovered, and a report was completed to have it removed from NCIC.

- An LPR hit was received for a stolen vehicle at 1st Ave S and KVB. The vehicle had been stolen out of Centerville, TN and was a gold Nissan Frontier. A CAD BOLO was sent to Central by operator with the vehicle tag number, vehicle description and direction of travel. Central officers in the area observed the vehicle and began to follow behind it. The vehicle pulled into a parking lot in the 700 block of 712 Main St. Officers moved in and took 2 suspects into custody.
- East CFIT had a mobile LPR hit on Dickerson Pike near Grace St, TN tag on a gray Kia Forte. The vehicle was located a short time later on Grace Street returning to Dickerson Pike. The vehicle was followed into the parking lot in the 3400 block of Dickerson Pike and parked. 4 subjects got out of the car and fled northbound on foot when detectives moved in. The driver and a passenger were arrested, and the vehicle was recovered. The driver was charged with Theft of Motor Vehicle, Misdemeanor Evading, Possession of Burglary Tools, Drug Possession, Juvenile Runaway, Juvenile Possession of Tobacco Products. The passenger that was arrested was charged with Misdemeanor Evading, Possession of Burglary Tools, and Joyriding
- Operators received an LPR hit on a stolen plate that was displayed on a white Pontiac Grand Prix. Operators distributed a BOLO via radio and CAD. The vehicle was located by East CFIT units and stopped in the 1200 block of Howard Ave. Drugs and drug paraphernalia were located inside the vehicle after the driver exited and a crack pipe fell from his lap. The driver was charged by citation with Theft of Property, Drug Possession, Drug Paraphernalia and Driving on a Suspended License. The passenger was charged by citation with Drug Possession and Drug Paraphernalia. The stolen tag was recovered and removed from NCIC. The vehicle the tag was on was not stolen.
- An LPR hit for a stolen vehicle, TN tag on a silver Nissan Versa, was received at Gallatin Pike and Old Hickory Blvd. Operators sent a BOLO via radio and CAD with the tag number, vehicle description and direction of travel. Officers located the vehicle traveling on Briley Pkwy. The vehicle ultimately stopped and when the suspect got out of the vehicle, he was taken into custody and charged with Motor Vehicle Theft.
- Operators received an LPR hit on a stolen vehicle, TN tag on a white Chrysler 300. The hit was broadcast to North precinct. North patrol observed the vehicle within the 5500 block of Scruggs Ln. Once more police assets arrived in the area the vehicle was found unoccupied and recovered. A report was completed to have the vehicle removed from NCIC.
- Operators received an LPR hit on a stolen vehicle, a white 2021 Ford Expedition with FL tag, at Gallatin Pike & E Trinity Lane. A BOLO was broadcast via radio and CAD. East CFIT units observed the vehicle on the move, but by the time they were able to locate it, it was unoccupied. After surveilling the vehicle for a time, the vehicle was recovered and removed from NCIC with no arrests made.
- Operators received an LPR hit on a stolen tag. The tag was displayed on a gold Ford Escape. The initial hit occurred in East Precinct, but as the vehicle proceeded north it subsequently hit on two additional LPRs, the last being in Madison Precinct. An initial BOLO was broadcast via radio and CAD, and as the vehicle continued to be located on the additional LPRs updates were broadcast via radio. Madison CFIT units located the vehicle as it pulled into the Shell gas station located at 101 Gallatin Pike N and conducted a traffic stop. The driver was physically arrested due to an outstanding warrant out of Cheatham County and charged with Theft of Property for the stolen tag. The passenger was physically arrested for an outstanding Theft of Merchandise warrant out of Davidson County. The tag was recovered and removed from NCIC.

- A Hermitage CFIT unit was conducting patrols in the 500 block of Millwood Dr when he received a mobile LPR hit on a stolen vehicle, a gray 2013 Nissan Altima with TN tag. The hit was verified with dispatch. The vehicle was unoccupied therefore no arrests were made. The vehicle was recovered and removed from NCIC.
- Operators received an LPR hit on a stolen white Kia Optima taken out of Knoxville, TN. A BOLO was broadcast via radio and CAD. Madison CFIT detectives located the vehicle and attempted a traffic stop. The vehicle fled and was tracked by Air 1. The driver fled from the vehicle and was apprehended after being observed in possession of a handgun. The driver also possessed an additional magazine for the handgun. Juvenile suspect was charged with Vehicle Theft, Juvenile- Handgun Possession, Evading- Motor Vehicle, Evading- Misdemeanor, and No D/L. The vehicle was recovered and removed from NCIC.
- Operator received an LPR hit for a stolen blue Toyota Camry. A CAD BOLO was broadcast, and the vehicle was located by North patrol and CFIT officers. A patrol unit attempted a stop, but the vehicle fled. Air 1 followed the vehicle until the three occupants abandoned the vehicle on Georgia Ct in the Preston Taylor community. The three juvenile occupants were apprehended shortly thereafter. One Suspect was charged with Vehicle Theft, Evading- Motor Vehicle, Evading-Misdemeanor, Vandalism, Vandalism of Government Property, and Drug Possession. Two Suspects were both charged with Joyriding and Evading- Misdemeanor. The vehicle was recovered, returned to the owner, and removed from NCIC.
- Hermitage CFIT unit 5C61 was conducting patrols in the 800 block of Briley Pkwy when his mobile LPR system alerted to a stolen 2017 silver Nissan Murano with TN tag. The vehicle was unoccupied and secure. After verifying the hit, the CFIT detective dusted for prints and lifted two latent prints from the vehicle. The vehicle was towed to the tow-in lot and a report was completed to have it removed from NCIC.
- Operator received a hit on a stolen vehicle, WI tag on a gold GMC Terrain, at Dickerson Pike & Trinity Lane. East patrol located the vehicle in the 700 block of Dickerson Pike and attempted to get assets into the area while continuing to observe the vehicle. The vehicle fled into an Apartment complex in the 300 block of Dellway Villa Rd. When officers located the vehicle, it was unoccupied. The vehicle was recovered and a removed from NCIC.

Summary

Even though deployment of LPRs during the pilot project has been a limited rollout in conjunction with a procurement process, it has shown tremendous success. As outlined above, the system has allowed the MNPD to utilize precision policing to locate and recover stolen vehicles, arrest wanted persons, and recover illegal guns. These results were achieved while maintaining compliance with the provisions of Section 13.08.080 of the Metro Code of Laws, which were integrated into the LPR pilot program policy ([found here](#)). The MNPD looks forward to providing a presentation to the Council on August 1, 2023, after the pilot program has concluded, to further discuss our findings and answer any questions the Council Members may have.