



MEMORANDUM

TO: LeRonne L. Armstrong
Chief of Police

FROM: Drennon Lindsey, Deputy Chief
OPD, Bureau of Investigations

SUBJECT: Automated License Plate Reader –
2021 Annual Report

DATE: March 22, 2022

Background

Oakland Police Department (OPD) ALPR Policy 430 (430.8 Agency Monitoring and Controls) states that the “ALPR Coordinator shall provide the Chief of Police and Public Safety Committee with an annual report for the previous 12-month period.” Policy 430 precedes City Council adoption of the Surveillance Technology Ordinance, enshrined in Oakland Municipal Code (OMC) 9.64; OMC 9.64 separately also requires annual reports as well as review and recommendation of a Surveillance Use Policy (SUP) and Surveillance Impact Report (SIR) – referred to collectively as “Privacy Policy.”

The following bullet points outline the history of OPD’s presentation of ALPR Privacy Policy documents to the City’s Privacy Advisory Commission (PAC):

- January 2019 - Presentation of draft ALPR Privacy Policy.
- February 2019 - Presentation of draft ALPR Privacy Policy.
- April 2019 - Presentation of draft ALPR Privacy Policy.
- January 2021 - Presentation of revised ALPR Privacy Policy and 2019 / 2020 Annual Reports.
- February 2021 - Presentation of revised ALPR Privacy Policy; PAC vote to recommend to the City Council that OPD be prohibited from using ALPR technology for two years.
- OPD then presented the ALPR Privacy Policy and 2019 / 2020 Annual Reports to the Public Safety Committee on May 11, and City Council on May 18. The City Council was presented with two options – OPD’s recommendation to approve the privacy policy as well as the PAC recommendation. The full City Council voted to send the Policy back to the PAC for further review and that OPD provide all missing information.
- August 2021 - Presentation of revised ALPR Privacy Policy and 2019 / 2020 Annual Reports.
- October 2021- Presentation of revised ALPR Privacy Policy and 2019 / 2020 Annual Reports; PAC commissioners suggest having an ad-hoc meeting but then confirm that there are not enough commissioners who are prepared to hold an ad-hoc meeting.
- November 2021- Presentation of revised ALPR Privacy Policy and 2019 / 2020 Annual Reports – at this meeting the PAC again votes to recommend a two-year moratorium OPD use of ALPR technology.

OPD is preparing to again present its Privacy Policy to the City’s Public Safety Committee along with the PAC November 2021 motion for a two-year moratorium at the time of the production of this report.

2021 Annual Report Details

- A. A description of how the surveillance technology was used, including the type and quantity of data gathered or analyzed by the technology:

Table 1 below shows the total scans and hits by month – the total license plate photographs made and stored each month (1,980,132 scans total for the year). Table 1 also shows the number of times the vehicle-based systems had a match (“hit”) with a California Department of Justice (CA DOJ) database (2,503 total for 2021). OPD’s very outdated ALPR system can only quantify these two figures; the system can no longer quantify individual queries or perform any audit functions, as the software is no longer supported from the original vendor. Prior, the system could run reports that detailed the reasons for queries (e.g. a type of criminal investigation). OPD can only provide more comprehensive use data if and when a newer ALPR system is acquired.

Table 1: 2021 OPD ALPR Scans and Hits

Month	Year	Scans	Hits
Jan	2021	198,027	235
Feb	2021	145,547	229
Mar	2021	212,367	238
Apr	2021	166,993	146
May	2021	184,147	235
Jun	2021	155,502	135
Jul	2021	98,814	110
Aug	2021	190,136	249
Sep	2021	221,509	375
Oct	2021	161,789	242
Nov	2021	121,565	143
Dec	2021	123,736	166
2021 Totals		1,980,132	2503

- B. Whether and how often data acquired through the use of the surveillance technology was shared with outside entities, the name of any recipient entity, the type(s) of data disclosed, under what legal standard(s) the information was disclosed, and the justification for the disclosure(s):

The Federal Bureau of Investigation (FBI) had access to OPD ALPR data without following the standard data access request protocols outlined in Policy 430.9 “Releasing or Sharing ALPR Data;” OPD has provided this level of access because there is a Council-approved Safe Streets Task Force Memorandum of Understanding (MOU)¹. OPD believes that the Task Force MOU allowed for ALPR data-sharing with specific FBI agents who have been co-located with OPD in the Police Administration Building and worked on homicide cases. However, OPD personnel ran an audit of ALPR data queries and discovered that there were

¹ The mission of the FBI San Francisco Violent Crimes Safe Streets Task Force MOU is to identify and target for prosecution criminal enterprise groups and individual responsible for crimes of violence such as murder and aggravated assault, as well as other serious crimes. The MOU does not specifically address the sharing of ALPR data; however, the MOU does specifically articulate protocols for data sharing.

no queries from these FBI personnel. OPD has decided to revoke access to FBI these agents as of 9/28/2021 to alleviate concerns over data privacy.

OPD has not received requests for ALPR data in 2021 from outside police agencies.

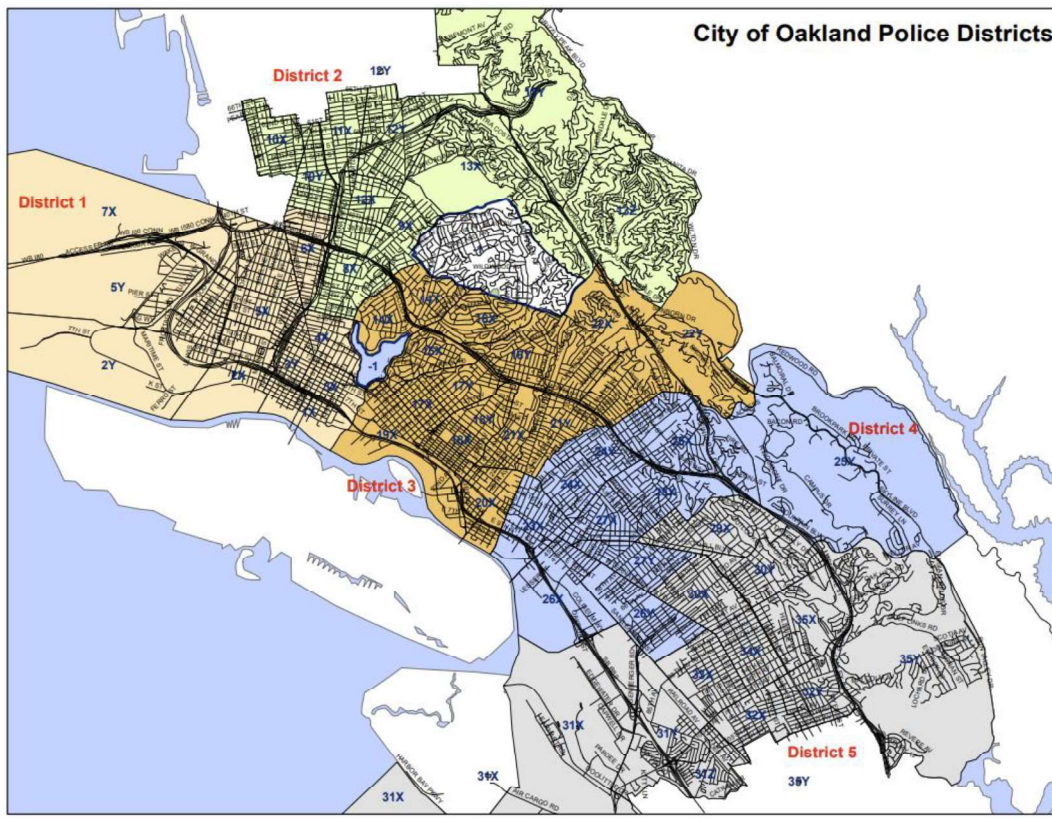
- C. Where applicable, a breakdown of what physical objects the surveillance technology hardware was installed upon; using general descriptive terms so as not to reveal the specific location of such hardware; for surveillance technology software, a breakdown of what data sources the surveillance technology was applied to:

The ALPR cameras are installed upon fully marked OPD patrol vehicles (24 operational; 8 inoperable).

- D. Where applicable, a breakdown of where the surveillance technology was deployed geographically, by each police area in the relevant year:

These vehicles are assigned to the Bureau of Field Operations I (administered out of the Police Administration Building in downtown Oakland) as well as Bureau of Field Operations II (administered from the Eastmont Substation). The vehicles are deployed throughout the City in a patrol function to allow for large areas of the City to have ALPR coverage as the patrol vehicles are used to respond to calls for police service; Figure 1 below is a map showing where patrol vehicles equipped with ALPR are generally deployed throughout the City.

Figure 1: ALPR-Equipped Patrol Vehicle Deployment Distribution



E. A summary of community complaints or concerns about the surveillance technology, and an analysis of the technology's adopted use policy and whether it is adequate in protecting civil rights and civil liberties. The analysis shall also identify the race of each person that was subject to the technology's use. The Privacy Advisory Commission may waive this requirement upon making a determination that the probative value in gathering this information to evaluate the technology's impact on privacy interests is outweighed by the City's administrative burden in collecting or verifying this information and the potential greater invasiveness in capturing such data. If the Privacy Advisory Commission makes such a determination, written findings in support of the determination shall be included in the annual report submitted for City Council review.

Members of the public have spoken at PAC meetings regarding concerns of negative impacts to privacy protections (e.g., that OPD could use ALPR server data to establish travel patterns of particular vehicles associated with particular license plates, and/or that ALPR data can be inadvertently released through inadequate privacy protocols). OPD has also heard comments that more advanced ALPR systems may be used to track other vehicle attributes (e.g., bumper stickers). More recently, OPD staff have also heard from members of the public in support of ALPR systems and wanting to be sure that OPD utilizes technology appropriately to support OPD investigations. Furthermore, OPD personnel are of media reports of ALPR systems where a lack of updates between local systems and State CA DOJ databases lead to inaccurate stolen vehicle notifications, which have led law enforcement to stopping motorists because of stolen vehicle notifications.

OPD is not able to provide the race of each person connected to each ALPR scan. Race data is not captured in the scan itself as explained in the ALPR Draft Surveillance Impact Report. Race data would only be captured if there is a related criminal investigation for a particular ALPR scan capture. Staff could attempt to connect each scan to the associated vehicle registration of each scanned license plate. However, staff would not know if the vehicle driver, at the time of the ALPR scan, is the same person as the registered owner of the vehicle. Furthermore, staff believes that the potential for greater invasiveness in capturing this data outweighs the public benefit of capturing the data. Staff therefore recommend that the PAC makes the determination, that the administrative burden in collecting or verifying this information as well as the associated potential for greater invasiveness in capturing such data outweighs the public benefit.

- F. The results of any internal audits, any information about violations or potential violations of the Surveillance Use Policy, and any actions taken in response unless the release of such information is prohibited by law, including but not limited to confidential personnel file information:

The current system is outdated, and the software is not supported from the original vendor. Prior to this loss in function, the system could be used to run reports for sample audits that detailed the reasons for queries (e.g., type of criminal investigation). The ALPR system can currently quantify only hit and scan data as noted in Part A above. OPD currently faces a “Catch-22” situation: OPD cannot produce audits and annual reports that meet the expectations of the Surveillance Technology Ordinance because its current ALPR database and software are outdated and only partially functional. OPD can update the system for approximately \$16,000 – but pursuant to the surveillance ordinance, OPD cannot update the system unless the City Council first approves OPD’s ALPR Use Policy. The PAC has cited OPD’s failure to produce audits and annual reports as a significant reason for the PAC’s refusal to support OPD’s Use Policy and its continued use of ALPR. Staff wants to comply with all facets of the City’s Surveillance Ordinance (OMC 9.64) and continue to bring annual reports to the PAC for ongoing independent oversight of this useful technology, but it cannot do so unless it upgrades its ALPR technology.

OPD created a new ALPR Training document in 2020; OPD staff audited the OPD online training and document review system to ensure that staff completed the ALPR Training module. Approximately 75% of staff have completed the training thus far and OPD is implementing directives to ensure 100% compliance.

- G. Information about any data breaches or other unauthorized access to the data collected by the surveillance technology, including information about the scope of the breach and the actions taken in response:

The City’s Information Technology Department (ITD) confirmed to OPD that they have not detected any ALPR information breaches at the time of OPD’s inquiry for the production of this annual report.

- H. Information, including crime statistics, that helps the community assess whether the surveillance technology has been effective at achieving its identified purposes.

Table 2 below provides 2021 Part 1 Crime Data. This data illustrates the high levels of both violent crime and property crimes that occur in Oakland including for the 2021 year

Table 2: 2021 OPD Type 1 Crime Data

Part 1 Crimes <i>All totals include attempts except homicides</i>	01-01-2020 through 12-31-2020	01-01-2021 through 12-31-2021	Year-to-Date % Change 2020 vs. 2021	3-Year Year-to-Date Average	YTD 2021 vs. 3-Year YTD Average
Homicide - 187(a)	102	124	22%	100	24%
• Homicide - all other *	7	10	43%	7	50%
Aggravated Assault	3,315	3,559	7%	3,206	11%
• With Firearm	499	599	20%	462	30%
Rape	217	158	-27%	193	-18%
Robbery	2,417	2,693	11%	2,641	2%
Burglary Total	8,689	10,197	17%	11,291	-10%
• Auto	6,221	8,179	31%	8,921	-8%
• Residential	1,247	1,055	-15%	1,370	-23%
• Commercial	958	670	-30%	750	-11%
• Other/Unknown	263	293	11%	249	18%
Motor Vehicle Theft	8,722	9,010	3%	8,071	12%
Larceny	5,974	6,186	4%	6,643	-7%
Arson	193	170	-12%	172	-1%
Total Part 1 Crimes	29,636	32,107	8%	32,324	-1%

Additionally, ALPR was used to recover 39 stolen vehicles recovered with a value an estimated value of \$227,337. **Appendix A** to this report provides additional information about stolen vehicles and/or vehicles involved in carjackings where ALPR played a notification and/or investigatory role.

- I. Statistics and information about public records act requests regarding the relevant subject surveillance technology, including response rates:

OPD has received two new PRRs in 2021 related to ALPR; there were five total open ALPR-related PRRs as of December 31, 2021.

These requests related to the number of ALPR camera systems (see Section C above), ALPR data (the license plate number, date, time, and location information for each license plate recorded for related to either specific license plates or all captured data during certain time periods), and OPD emails related to ALPR data. Other requests related to the sharing of data with other agencies as outlined in Section B above. There are also PRRs relating to technology contracts.

For all ALPR PRRs, OPD can generally provide date and time information. OPD cannot provide information related to locations where license plates were photographed, nor information related to the specific vehicles. Some of these PRRs have been processed and

completed in 2022 during the time of the production of this report – status information below reflects recent updates made in 2022.

No.#	PRR#	Nature of Request	Status	Content Provided
1	RT 16630	All records responsive to the below requests dated from January 1, 2014 through July 28, 2016. - The full documentation of all contracts or non-disclosure agreements (enacted OR IN EFFECT between the above dates) with the companies "Persistent Surveillance Systems" or "Vigilant Solutions" (more of request: https://oaklandca.nextrequest.com/requests/RT-16630).	Still being processed	n/a
2	18-649 –	The names of all agencies, organizations and entities with which the Oakland Police department shares Automatic License Plate Reader ("ALPR") data, such as the National Vehicle Location Service; * The names of all agencies and organizations from which the department receives ALPR data; * The names of all agencies and organizations from which the department shares "hot list" information; * The names of all agencies and organizations from which the department receives "hot list" information; more of request: https://oaklandca.nextrequest.com/requests/18-649	open	OPD ALPR Policy 430: https://oaklandca.nextrequest.com/documents/618507/download
3	19-1546	How many automated license plate readers the Oakland Police Department has in use currently? Are they in fixed locations or on police cars, or other? How many vehicles on your hotlist currently? What's is the hit rate currently, and what was it in March 2018? How long is this data retained for? Is there a formal data retention limit? Have you shared any of this LPR data with any third parties, including non law enforcement bodies? If so, who? Have you bought license plate data from any third parties, and if so who? Has there been any communication between the department and representatives from	Open	Content not yet provided

No.#	PRR#	Nature of Request	Status	Content Provided
		<i>or people acting on behalf of US Immigration and Customs enforcement and / or US Border Patrol? If so, please can you share all correspondence (inc attachments)? More information: https://oaklandca.nextrequest.com/requests/19-1546</i>		
4	21-6410	<i>Requesting ALPR Data for the last two years</i>	<i>open</i>	
5	21-6660	<i>Please provide me with an electronic copy (preferably PDF) of the guidelines and procedures referenced here in OPD's ALPR policy 430 enacted in 2016, including all amendments and revisions thereto: "The Bureau of Services Deputy Chief shall be the administrator of ALPR program, and shall be responsible for developing guidelines and procedures to comply with the requirements of Civil Code § 1798.90.5 et seq." Please provide records from the years 2016-2021.</i>	<i>open</i>	

J. Total annual costs for the surveillance technology, including personnel and other ongoing costs, and what source of funding will fund the technology in the coming year:

Zero; OPD did not incur any maintenance, licensing, or training costs. Training is completed using OPD's online portal as well as staff time.

K. Any requested modifications to the Surveillance Use Policy and a detailed basis for the request:

OPD and the PAC are developing and reviewing a new ALPR Surveillance Policy contemporaneous to the production of this report for OPD ALPR Use Policy 430. OPD is requesting PAC review and recommendation to City Council of this new Surveillance Use Policy (SUP). This new policy will cover all required areas of OMC 9.64.

OPD is committed to providing the best services to our community while being transparent and instilling procedural justice through daily police activity. This report is compliance with these OPD commitments. OPD hopes that this report helps to strengthen our trust within the Oakland community.

Respectfully submitted,

LeRonne L. Armstrong,
Chief of Police

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Appendix A

ALPR Stolen or Carjacked Vehicle Data 2021

For all the examples below, officers performed necessary verification of the stolen vehicle status before acting.

1. 21-001682; 01/11/2021 – Officers on patrol had an ALPR hit on the 1600 block of 18th Street. The vehicle was unoccupied and reported carjacked by San Francisco PD. Vehicle was recovered and towed per SFPD's request. Age of data: ~6days
 - a. Vehicle Data: 2005 Ford F-150
2. 21-001802; 01/11/2021– Officers on patrol had an ALPR hit on the 200 block of 19th Street. The vehicle was unoccupied and reported stolen by South San Francisco PD. Vehicle was recovered and towed per SSFPD's request. Age of data: ~2 days.
 - a. Vehicle Data: 2000 Chevy Tahoe
3. 21-002447; 02/09/2021 – Officers on patrol had an ALPR hit on the 1100 block of E. 15th Street. The vehicle was unoccupied, attempts to contact the owner were unsuccessful, and the vehicle was recovered and towed. Age of data: ~26 days.
 - a. Vehicle Data: 1990 Mazda 626 DX/LX
4. 20-056291; 01/17/2021 – Officers on patrol had an ALPR hit on the 1600 block of 8th Street. The vehicle was unoccupied, attempts to contact the owner were unsuccessful, and the vehicle was recovered and towed. Age of data: ~14 months.
 - a. Vehicle Data: 2000 Ford Focus
5. 21-002722; 01/18/2021 – Officers on patrol had an ALPR hit on the 1300 block of 5th Street. The vehicle was occupied, and officers attempted to detain the suspects, who fled. The vehicle was reported stolen by Berkeley PD. Age of data: ~2 days
 - a. Vehicle Data: 2016 Mazda CX5
6. 21-003887; 01/26/2021 – Officers on patrol had an ALPR hit on the 9700 block of B Street. The vehicle was unoccupied, attempts to contact the owner were unsuccessful, and the vehicle was recovered and towed. Age of data: ~7 days.
 - a. Vehicle Data: 2000 Honda CRV
7. 21-006106; 03/15/2021 – Officers on patrol had an ALPR hit in the area of Fruitvale Ave & Foothill Blvd. The vehicle was occupied, and a stop was conducted. The driver was the registered owner of the vehicle and did not update OPD when they found and recovered the vehicle on 02/08/2021. The driver/registered owner was released. Vehicle was associated with strong-arm robbery, assault & battery, and kidnapping (initially of the victim). Age of data: ~1 month.
 - a. Vehicle Data: 2003 Nissan Maxima
8. 21-006112; 02/08/2021 – Officers on patrol had an ALPR hit on the 3800 block of San Leandro Street. The vehicle was reported stolen out of San Leandro PD. The vehicle was unoccupied, and the vehicle was recovered and towed. Age of data: ~10 days.
 - a. Vehicle Data: 1998 Nissan Frontier

9. 21-006743; 02/17/2021 – Officers on patrol had an ALPR hit on the 250 block of 7th Street. The vehicle was unoccupied, attempts to contact the owner were successful, and the vehicle was released to them. Age of data: ~6 days.
 - a. Vehicle Data: 1999 Ford F-150
10. 21-009814; 03/05/2021 – Officers on patrol had an ALPR hit on the 2800 block of 14th Avenue. The vehicle was unoccupied, attempts to contact the owner were successful, and the vehicle was released to a friend of the owner. Age of data: ~3 days.
 - a. Vehicle Data: 1991 Honda Civic
11. 21-010933; 03/09/2021 – Officers on patrol had an ALPR hit on the 600 block of 6th Street. The vehicle was occupied, and the individual was detained and arrested. The vehicle was reported stolen out of San Francisco PD and was recovered and towed. Age of data: ~20 days.
 - a. Vehicle Data: 2005 Ford Econoline E350
12. 21-0111404; 03/13/2021 – Officers on patrol had an ALPR hit in the area of 45th Ave and E. 12th Street. The vehicle was unoccupied, attempts to contact the owner were unsuccessful, and the vehicle was recovered and towed. Age of data: ~1 day.
 - a. Vehicle Data: 2006 Nissan Maxima
13. 21-011572; 03/17/2021 – Officers on patrol had an ALPR hit on the 1300 block of E. 24th Street. The vehicle was unoccupied, attempts to contact the owner were successful, the vehicle was recovered and released to the owner. Age of data: ~4 days.
 - a. Vehicle Data: 2000 Honda CRV
14. 21-011654; 04/06/2021 – Officers on patrol had an ALPR hit on the 1600 block of Campbell Street. The vehicle was unoccupied, attempts to contact the owner were successful, but the vehicle was disabled, it was recovered and towed. Age of data: ~24 days.
 - a. Vehicle Data: 1994 Honda Civic
15. 21-011750; 03/30/2021 – Officers on patrol had an ALPR hit on the 1700 block of Marin Way. The vehicle was occupied, and a stop was conducted, with one individual being arrested for auto-theft. Attempts to contact the owner were unsuccessful, the vehicle was recovered and towed. Age of data: ~17 days.
 - a. Vehicle Data: 2001 GMC Yukon
16. 21-012745; 04/23/2021 – Officers on patrol had an ALPR hit on the 800 block of Chester Street. The vehicle was unoccupied, attempts to contact the owner were successful, and the vehicle was recovered and released to the owner. Age of data: ~1 month.
 - a. Vehicle Data: 1999 Honda Civic
17. 21-014081; 03/28/2021 – Officers on patrol had an ALPR hit on the 700 block of Wood Street. The vehicle was unoccupied and reported stolen by Hayward PD. The vehicle was recovered and towed. Age of data: ~5 days.
 - a. Vehicle Data: 1998 Ford Econoline

- 18.21-015106; 04/06/2021 – Officers on patrol had an ALPR hit on the 1600 block of 16th Street. The vehicle was unoccupied, attempts to contact the owner were unsuccessful, and the vehicle was recovered and towed. Age of data: ~3 days.
 - a. Vehicle Data: 1989 Toyota Pickup
- 19.21-026244; 06/10/2021 – Officers on patrol had an ALPR hit on the 1100 block of Chestnut Street. The vehicle was unoccupied, attempts to contact the owner were unsuccessful, and the vehicle was recovered and towed. Age of data: ~2 days.
 - a. Vehicle Data: 2003 Silver Nissan Altima
- 20.21-017449; 04/20/2021 – Officers on patrol had an ALPR hit on the 3200 block of Wood Street. The vehicle was unoccupied, attempts to contact the owner were successful, the vehicle was recovered and released to the owner. Age of data: ~3 days.
 - a. Vehicle Data: 2003 Chevy Silverado
- 21.21-018211; 04/25/2021 – Officers on patrol had an ALPR hit on the 3300 block of Helen Street. The vehicle was unoccupied, recovered, and towed. Age of data: ~4 days.
 - a. Vehicle Data: 1997 Honda Civic
- 22.21-018480; 04/23/2021 – Officers on patrol had an ALPR hit on the 1300 block of 5th Street. The vehicle was occupied, and a stop was initiated. An individual was detained and arrested. Attempts to contact the owner were unsuccessful, and the vehicle was recovered and towed. Age of data: ~1 day.
 - a. Vehicle Data: 1993 Honda Civic
- 23.21-020648; 05/08/2021 – Officers on patrol had an ALPR hit on the 2700 block of 10th Avenue. The vehicle was unoccupied and inoperable, the vehicle was recovered and towed. Age of data: ~2 days.
 - a. Vehicle Data: 2000 Honda Accord
- 24.21-020912; 05/29/2021 – Officers on patrol had an ALPR hit on the 5500 block of Bancroft Avenue. The vehicle was unoccupied, attempts to contact the owner were unsuccessful, and the vehicle was recovered and towed. Age of data: ~22 days.
 - a. Vehicle Data: 1995 Honda Odyssey
- 25.21-035523; 07/31/2021 – Officers on patrol had an ALPR hit on the 2300 block of Embarcadero. The vehicle was moving and occupied, and a stop was conducted. Three suspects were detained with one being arrested for possession of a stolen vehicle. A stolen firearm was also recovered. The vehicle was recovered and released to the owner. Age of data: ~1 day.
 - a. Vehicle Data: 2007 White Mercedes CLK
- 26.21-025743; 06/12/2021 – Officers on patrol had an ALPR hit on the 550 block of 30th Street. The vehicle was unoccupied, recovered, and towed. Age of data: ~7 days.
 - a. Vehicle Data: 2003 Mazda Protégé
- 27.21-027162; 06/12/2021 – Officers on patrol had an ALPR hit while on the 550 block of 34th Street. The vehicle was confirmed to be reported stolen by Berkeley PD. The vehicle was unoccupied, attempts to contact the owner were successful, the vehicle, however, was inoperable and was recovered and towed. Age of data: ~5 days.
 - a. Vehicle Data: 1997 Honda Accord

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- 28.21-027192; 06/12/2021 – Officers on patrol had an ALPR hit on the 550 block of 30th Street. The vehicle was confirmed to be reported stolen by Berkeley PD. The vehicle was unoccupied, recovered, and towed. Age of data: ~11 days
 - a. Vehicle Data: 1997 Honda Civic
 - 29.21-031826; 07/12/2021 – Officers on patrol had an ALPR hit in the area of E. 15th Street and Miller Avenue. The vehicle was occupied and stopped with an individual being detained and arrested. Attempts to contact the owner were successful and the vehicle was recovered and released. Age of data: ~3 days.
 - a. Vehicle Data: 1992 Toyota Previa
 - 30.21-033234; 07/28/2021 – Officers on patrol had an ALPR hit on the 200 block of 11th Avenue. The vehicle was unoccupied, attempts to contact the owner were successful, and the vehicle was recovered and released to the owner. Age of data: ~11 days
 - a. Vehicle Data: 2018 Volkswagen Tiguan
 - 31.21-034757; 09/04/2021 – Officers on patrol had an ALPR hit in the area of 30th Street and Telegraph Avenue. The vehicle was unoccupied, attempts to contact the owner were successful, and the vehicle was recovered and released to the owner. Age of data: ~1 month
 - a. Vehicle Data: 1991 Honda Accord
 - 32.21-036467; 08/23/2021 – Officers on patrol had an ALPR hit on the 1100 block of E. 15th Street. The vehicle (which was carjacked) was unoccupied, attempts to contact the owner were unsuccessful, and the vehicle was recovered and towed. Age of data: ~18 days.
 - a. Vehicle Data: 2015 Hyundai Veloster
 - 33.21-037283; 08/10/2021 – Officers on patrol had an ALPR hit on the 1600 block of 62nd Avenue. The vehicle was reported as being carjacked by BART PD. The vehicle was unoccupied, recovered, and towed. Age of data: ~1 month
 - a. Vehicle Data: 2008 Toyota Corolla
 - 34.21-039386; 08/23/2021 – Officers on patrol had an ALPR hit on the 2200 block of Embarcadero. The vehicle was occupied and stopped with an individual being detained and arrested. Attempts to contact the owner were successful and the vehicle was recovered, but the owner did not show up and the vehicle was towed. Age of data: Recovered same day.
 - a. Vehicle Data: 2002 Chevy Silverado 1500
 - 35.21-040524; 08/29/2021 – Officers on patrol had an ALPR hit on the 3400 block of Elm Street. The vehicle was reported stolen out of Berkeley PD. The vehicle was unoccupied, inoperable, recovered, and towed. Age of data: ~5 days
 - a. Vehicle Data: 2002 Dodge RAM 2500
 - 36.21-044190; 09/20/2021 – Officers on patrol had an ALPR hit in the area of 23rd Avenue and E. 11th Street. The vehicle was occupied and stopped with an individual being detained and arrested. The vehicle was reported stolen out of Emeryville PD. The vehicle was recovered and towed. Age of data: ~1 month
 - a. Vehicle Data: 2011 Ford F150

- 37.21-049102; 11/01/2021 – Officers on patrol had an ALPR hit on the 4000 block of Brookdale Avenue. The vehicle was unoccupied, attempts to contact the owner were unsuccessful, and the vehicle was recovered and towed. Age of data: ~12 days
 - a. Vehicle Data: 2007 Chevy Express Van
- 38.21-049863; 10/23/2021 – Officers on patrol had an ALPR hit on the 1200 block of 21st Avenue. The vehicle was reported stolen out of San Jose PD. The vehicle was occupied, and a stop was initiated, with two people being temporarily detained. An investigation discovered that the person who reported the vehicle stolen was not the registered owner and driver and passenger were released without further delay. Age of data: ~4 days
 - a. Vehicle Data: 2003 Toyota Corolla
- 39.21-051300; 11/01/2021 – Officers on patrol had an ALPR hit on the 4700 block of Bancroft Avenue. The vehicle was reported stolen by the Alameda County Sheriff's Office, was unoccupied, recovered and towed. Age of data: ~5 days.
 - a. Vehicle Data: 1993 GMC Sierra

Non-Stolen Vehicle Cases

1. 21-012691; 03/19/2021 – ALPR was utilized to capture/scan license plates of vehicles participating in an illegal and unpermitted cabaret event party. Age of Data: Not Applicable
2. 21-012836; 03/20/2021 – ALPR was utilized by Pleasant Hill PD for a vehicle that was involved in an attempted murder. A stop was conducted, and an individual was detained and arrested. An illegal firearm was also recovered. Age of Data: ~6 days
3. 21-014039; 03/29/2021; – Officers on patrol had an ALPR hit on the 700 block of Walker Avenue. The vehicle was unoccupied, but the plate did not match the vehicle VIN it was attached to. The officer removed the plate and turned it into evidence. Age of data: 2 days.
4. 21-025695; 06/05/2021 – ALPR was utilized to search for a car that was suspected of being involved in a shooting. A warrant was obtained, and the individual was arrested. Age of data: ~1 month.
5. 21-031812; 07/09/2021 – Officers on patrol had an ALPR hit on the 7200 block of MacArthur Blvd for a vehicle involved in a robbery. The vehicle was occupied, a stop was attempted, and the suspects fled, eventually evading capture. Age of data: ~1 day.
6. 21-034075; 07/23/2021 – Officers on patrol had an ALPR hit on the 200 block of 29th Street. The vehicle was unoccupied, and the license plate was switched. The license plate was removed and attempts to contact the owner were unsuccessful. The license plate was remanded to evidence. Age of data: ~4 days.