OAKLAND POLICE DEPARTMENT

Surveillance Impact Use Report for the Automated License Plate Reader

A. Description: *Information Describing the Automated License Plate Reader (ALPR) and How It Works*

ALPR technology consists of cameras that can automatically scan license plates on vehicles that are publicly visible (in the public right of way and/or on public streets). The Oakland Police Department (OPD) uses only ALPR cameras mounted to patrol vehicles so that license plates can be photographed during routine police patrol operations. Each camera housing (two housings per vehicle) consists of a regular color photograph camera as well as an infrared camera (for better photography during darkness). ALPR reads these license plates with a lens and charge-coupled device (CCD) that sense and records the image (can be parked or moving vehicle plates) and connects the image to an optical character recognition (OCR) system that can connect the image to that actual license plate characters.

The ALPR system in a patrol vehicle is activated when the user logs into the software from their vehicle-based computer and starts the system.~~urned on automatically when authorized personnel turn on their vehicle-based computer at the beginning of a police patrol shift~~. Once initiated, the system runs continuously and photographs vehicles until turned off manually;[1] ALPR cameras typically records hundreds of license plates each hour but exact recording rates depend on vehicle activity and how many vehicles are encountered. The system compares license plate characters against specific databases, and stores the characters along with the date, time, and location of the license plate in a database; OPD's ALPR system updates daily with three California Department of Justice (CA DOJ) hotlists: felony wants, stolen plates, stolen vehicles – there is no OPD ALPR connection to any federal database. Authorized personnel within OPD can also enter specific license plate numbers into the system so that active vehicle ALPR systems will alert the officer in the vehicle if there is a real-time match between the entered license plate and the photographed license plate. OPD personnel will contact OPD Communications Division (dispatch) anytime the ALPR system signals that a license plate on a database has been seen; OPD personnel always personally check with Communications before actually stopping a vehicle based on a ALPR license plate match.

[1] Data captured by the ALPR system will be uploaded onto the OPD ALPR database when the computer is turned off – typically at the end of a patrol shift.

The platform software allows authorized personnel to query the system to see if a certain license plate (and associated vehicle) have been photographed. The system will show the geographic location within Oakland for license plates that have been photographed, as well as time and date. Authorized personnel can see the actual photographs that match a particular license plate query – the OCR system can incorrectly match letter and numerical characters so the actual photographs are vital for ensuring the accuracy of the license plate query.

B. Purpose: *How OPD intends to Use ALPR Technology*

OPD uses ALPR for two purposes:

1. The immediate (real time) comparison of the license plate characters against specific databases such as those provided by the California Department of Justice listing vehicles that are stolen or sought in connection with a crime or missing persons; and

2. Storage of the license plate characters – along with the date, time, and location of the license plate – in a database that is accessible by law enforcement (LEA) agencies for investigative purposes.

ALPR technology helps OPD personnel to leverage their public presence and to more effectively use their limited time for more critical activity. The technology can alert officers to vehicles that are stolen or connected to a serious felony crime (e.g. aggravated assault, homicide, robbery, sexual assault) immediately (by automatically connected to criminal databases). Officers can then use the information to notify OPD personnel and/or stop the vehicle as justified by the information. The automatic process can free officers from laborious data entry processes allowing more time for observing public activity and speaking with members of the public. Appendix A to this report showcases 101 cases where an officer's vehicle ALPR system alerted them to a vehicle on one of the CA DOJ hotlists.

ALPR also provides an important tool for criminal investigations. The information collected by analysts and investigators can ~~locate~~ determine where ~~locations where~~ a plate has been in the past, which can help to confirm whether or not a vehicle has been at the scene of a crime. Additionally, accurate photos of vehicle from the ALPR system make searching for vehicles much easier – how the vehicle differs from every other vehicle of the same make and model. The photos frequently show distinctive vehicle aspects (e.g. dents, scratches, stickers). ~~, etc. ALPR also allows investigators to review photos which depict what the vehicle looks like, or more importantly, how the vehicle differs from every other vehicle of the same make and model. The photos frequently show distinctive dents, scratches, stickers, etc.~~ Investigators can also confirm that the vehicle matches the license plate and whether the license plate has been switched

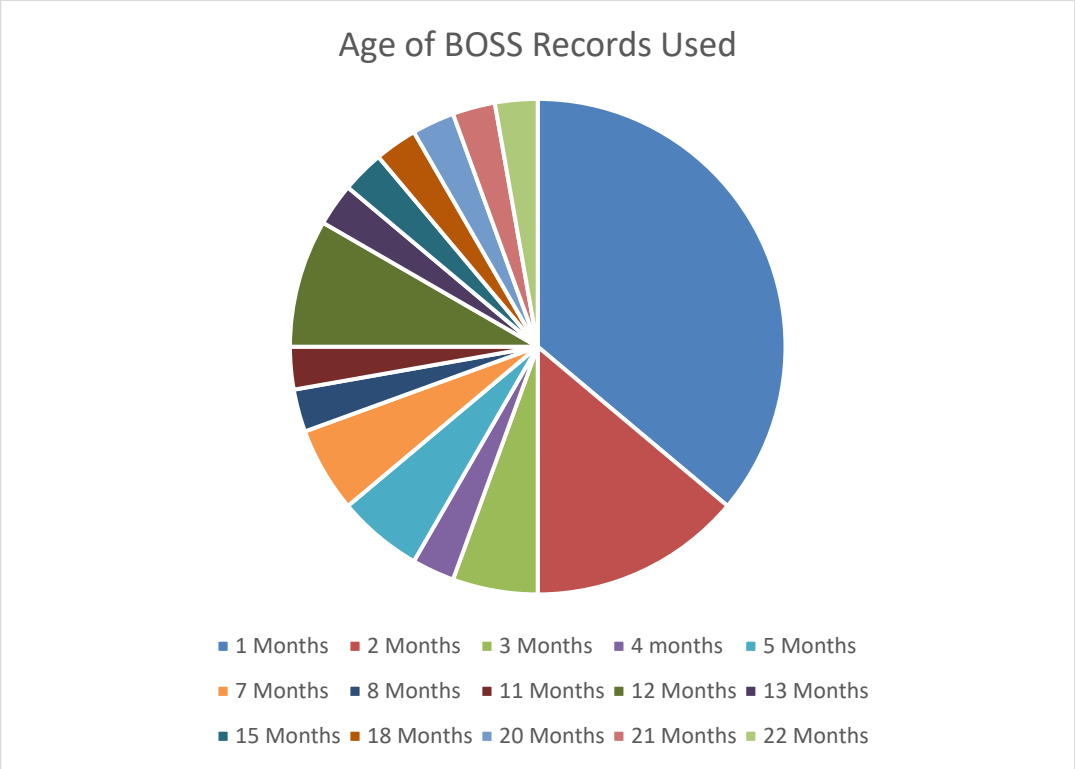
from a different vehicle. Such information may help personnel to find new leads in a felony crime investigation.

OPD has not historically quantified ALPR usage for vehicle stops, nor for later criminal investigations[2] in a way that easily allows for impact analysis. However, OPD is developing more automated processes for tracking ALPR usage in connection with investigations – OPD and the City's IT Department are currently engaged in a multi-year new CAD/RMS implementation which will greatly improve this type of data tracking.

OPD's Criminal Investigations Division (CID), in preparation for this report, has found several cases where ALPR license plate locational data was instrumental in the ultimate arrest and arraignment of at least two homicide suspects, and with the conviction of at least one of them. (***Appendix B*** attached to this report) ~~The following list~~ highlights specific cases from the year 2020 where ALPR played a pivotal role in supporting CID investigations:

The ALPR data used to investigate these cases varies widely. A recent analysis of ALPR queries shows that most revealed data that was less than one month old (13 cases), and the number of cases using older data diminishes. However, there are still valuable cases using data even 18-24 months old. The chart below illustrates the recent age of this query data.

[2] Current policies mandate documenting reasons for vehicle stops and reported race and gender of persons stopped. OPD is reviewing how to ensure that investigators note when ALPR was instrumental in criminal investigations for documenting ALPR impact.



C. ~~L~~ocations Where, and Situations in which ALPR Camera Technology may be deployed or utilized.

OPD owns 35 sets (left and right) of ALPR vehicle-mounted cameras. Authorized personnel (as described in the Mitigations Section below) may operate ALPR camera technology on public streets in the City of Oakland, while engaged in the course of their duties.

D. Privacy Impact: How is the OPD ALPR Use Policy Adequate in Protecting Civil Rights and Liberties and whether ALPR was used or deployed, intentionally or inadvertently, in a manner that is discriminatory, viewpoint-based, or biased via algorithm

OPD recognizes that the use of ALPR technology raises significant privacy concerns. There is concern that the use of ALPR technology can be utilized to ascertain vehicle travel patterns over periods of time. People are generally creatures of habit and often drive in their vehicles the same way to work, to visit friends and associates, to houses of worship, and neighborhood grocery stores. Research shows that "metadata", individual data points such as phone numbers called, and time of day or vehicle locations can be combined to create patterns that identify individuals. Using a simple algorithm, Stanford University lawyer and computer scientist Jonathan Mayer was able to accurately identify 80 percent of the volunteers in his study, using only open source databases such as Yelp,

Facebook, and Google[3].

OPD can use the ALPR technology to see if a particular license plate (and thus the associated vehicle) was photographed in particular places during particular times; ~~however~~However, OPD can only develop use the system to make such determinations by ~~such by~~ manually querying the system based upon a right to know (see Mitigation section below). OPD also recognizes that ALPR cameras may photograph extraneous data such as images of the vehicle, the vehicle driver and/or bumper stickers or other details that affiliate the vehicle or driver with particular groups. As explained in the Description Section (A) above and the Mitigation (E) section below, authorized personnel can only manually query the ALPR system for particular license plates (or all plates within a defined area) and only for particular reasons as outlined in OPD policy. Therefore, technology cannot be used to query data based upon vehicle drivers, ~~type of vehicle~~, or based on any type of article (e.g. bumper sticker) affixed to a vehicle. Additionally, OPD has instituted many protocols (see Mitigation section below) to safeguard against the unauthorized access to any ALPR data.

There is concern that ALPR camera use may cause disparate impacts if used more intensely in certain areas such as areas with higher crime and greater clusters of less-advantaged communities. OPD does not affix ALPR cameras to fixed infrastructure. OPD deploys ALPR camera-affixed vehicles through every area of Oakland[4], even though there may be times when OPD Commanders request that ALPR cameras be used in particular areas for short periods of time to address crime patterns. Additionally, ALPR usage does not lead to greater levels of discretionary police stops; ALPR use leads to vehicle stops only where a real-time photographed license plate matches a stop warrant for a stolen vehicle or serious crime in a criminal database.

Databases such from the State of California Department of Justice (DOJ) can contain some outdated or inaccurate data. ALPR systems, just as in the case of a manual query in a police vehicle computer, will provide the license plate data from the related database. ALPR systems simply make the query faster. In such cases personnel will follow standard policies and procedures for stopping a motorist and requesting personal identification (explained on page 1 above in connecting to CA DOJ felony wants, stolen plates, stolen vehicles hotlists).

E. Mitigations: specific, affirmative technical and procedural measures that will be implemented to safeguard the public

Oakland residents and visitors have an expectation of privacy and anonymity,

[3] Today, data scientists can accurately identify over 95% of individuals based solely on four geospatial (time, location) data points.

[4] OPD often must use ALPR camera-equipped vehicles for standard patrol activity regardless of location because of limited fleet reserves.

even though OPD as well as members of the public have a right to photograph state-issued license plates. In recognition of these concerns, OPD ALPR policy provides several mitigations which limit the use of rreal-time and aggregated ALPR data.

OPD's ALPR system, (as mentioned in Section 1 above), uses OCR to capture license plate data. ALPR cameras are designed to focus on license plates cameras, and the OCR only records the license plate characters. Extraneous data (e.g. human faces, car type, bumper stickers, etc.) may be captured in an ALPR image capture as well. However, OPD's BOSS ALPR database can only query license plate numbers.

ALPR can only be used for authorized purposes consisting only of queries related to criminal investigations and other authorized law enforcement functions, as explained in ~~to investigate criminal activity, as explained in~~ DGO I-12.B-2 "Restriction on Use: 1. "Department members shall not use, or allow others to use, the equipment or database records for any unauthorized purpose (Civil Code § 1798.90.51; Civil Code § 1798.90.53); authorized purposes consist only of queries related to criminal investigations and other authorized law enforcement functions~~.~~" Additionally, OPD is required to provide an annual report to the PAC (per OMC 9.64) documenting ALPR usage during the prior calendar year. The annual report will contain audit data of system queries (e.g. document aspects of use activity - time, date, and what is searched).

DGO I.12.B-2 also provides a number of internal safeguards, including:

1. Department members shall not use, or allow others to use, the equipment or database records for any unauthorized purpose (Civil Code § 1798.90.51; Civil Code § 1798.90.53); authorized purposes consist only of queries related to criminal investigations and other authorized law enforcement functions

2. No member of this department shall operate ALPR equipment or access ALPR data without first completing department-approved training.

3. No ALPR operator may access department, state or federal data unless otherwise authorized to do so pursuant to Section D1 below.

4. Accessing data collected by ALPR requires a right to know and a need to know. A right to know is the legal authority to receive information pursuant to a court order, statutory law, or case law. A need to know is a compelling reason to request information such as direct involvement in an investigation.

F. **Data Types and Sources*:*** *A list of all types and sources of data to be collected, analyzed, or processed by the surveillance technology, including "open source" data, scores, reports, logic or algorithm used, and any additional information derived therefrom.*

ALPR data is composed of photographs of license plates, which can be linked through OCR software to identify license plate letter and digit characters. License plate photographs, as detailed in Section One above, may contain images of the vehicle with particular visual details of the vehicle (such as vehicle make or model or bumper stickers). Photographs may also contain images of the vehicle driver. However, the ALPR system only annotates photographs based on license plate characters (although newer systems allows for queries based on license plate characters; newer systems do allow for queries~~y~~ based on vehicle type and color); therefore, ~~authorized personnel can only query license plate numbers~~. T~~—t~~here is no way to query the system based on vehicle details (such as bumper stickers) or individuals associated with a vehicle.

All ALPR data downloaded to the server shall be purged from the server at the point of 365~~730~~ days in alignment with Government Code section 34090. Data may be retained outside the database for the following purposes:

a. A criminal investigation;

b. An administrative investigation;

c. Research;

d. Civil litigation;

e. Training; and/or

f. Other Departmental need.

California law does not mandate a specific retention period for ALPR data. California Civil Code Title 1.81 .23 governs "Collection of License Plate Information."

Although the Civil Code requires ALPR operators to adopt a "usage and privacy policy" that specifies the "length of time ALPR information will be retained", it does not mandate a specific retention period. However, when the legislature has not prescribed a retention period for a particular type of document, the two-year "catch-all" retention period in California Government Code section 34090 applies.

Section 34090.6 specifically addresses "routine video monitoring" and the destruction of video "recordings," and stipulates that the head of a department of a city may destroy recordings of routine video monitoring after one year. However, there is no legislative history or case law interpreting or suggesting that this is the appropriate retention period for ALPR data. The City ultimately believe that a 730 day data retention period is the most appropriate retention period, but that a 365-day data retention period still aligns with state law. Any data retention short of 365 days would open the City to liability risks; staff therefore believes that a 365 day ALPR data retention period aligns with internal investigatory need and State law while balancing public privacy concerns.

OPD takes data security seriously and safeguards ALPR data by both procedural

and technological means. OPD will observe the following safeguards regarding access to and use of stored data (Civil Code § 1798.90.51; Civil Code § 1798.90.53):

1. All ALPR data downloaded to the mobile workstation and in storage shall be accessible only through a login/password-protected system capable of documenting all access of information by username, license number or other data elements used in the search, name, date, time and purpose (Civil Code § 1798.90.52).

2. Members approved to access ALPR data under these guidelines are permitted to access the data for legitimate LEA purposes only, such as when the data relate to a specific criminal investigation or department-related civil or administrative action.

OPD ALPR's system is connected to the City's virtual private network (VPN) gateway, and is encrypted through the transport. The encrypted data ends at the VPN gateway and the ALPR data goes into the internal SQL database where records can be search using the OPD internal BOSS3 server. Both the BOSS3 server and ALPR SQL database are internal services that can only be accessible within the OPDnet network.

The current OPD BOSS ALPR system is not-cloud based; ALPR-camera equipped vehicle computers can download (not upload) State DOJ databases as described above. However, OPD will look to upgrade this outdated system should the City Council approve DGO I-12.

Only authorized OPD personnel have ~~Limited OPD personnel have acc~~acc~~ess~~ to the OPD ~~the~~ ALPR ~~BOSS~~ system. The ALPR coordinator is responsible for providing training ~~including the verification of potentially malicious email or other forms of computer hacking~~on the ALPR system use to authorized personnel. ~~OPD also conducts regular ALPR system audits to ensure the accuracy of ALPR data~~.

G. **Fiscal Cost:** *The fiscal costs for the surveillance technology, including initial purchase, personnel and other ongoing costs, and any current or potential sources of funding;*

OPD spent $293,500 in 2014 to purchase the ALPR system from 3M. Neology later purchased the ALPR product line from 3M. OPD does not have a maintenance contract with Neology and therefore relies on EVO for ALPR maintenance. OPD has spent approximately $50,000 annually with EVO-Emergency Vehicle Outfitters Inc. for ALPR vehicle camera maintenance. OPD relies on EVO to outfit police vehicles with many standard police technology upgrades (e.g. vehicle computers) as well as ALPR camera maintenance. However, OPD's current ALPR camera fleet are no longer covered by a maintenance contract and OPD now only spends approximately $3,000 annual for

software support.

The following information is a financial estimate to upgrade OPD's entire ALPR system:

- New Hardware and support for 35 vehicles: $363,000
- New BOSS4 software (On premise on year license): $15,000
- New BOSS4 software (Hosted storage 1 year license): $43,000

H. **Third Party Dependence:** *Whether use or maintenance of ALPR technology will require data gathered by the technology to be handled or stored by a third-party vendor on an ongoing basis*

OPD relies upon third party technology vendors to install and provide maintenance for ALPR systems (currently EVO as explained in Section H above). Vendors contracted with the City for vehicle ALPR installation and maintenance of the systems will not handle or store the ALPR data. Data gathered from each vehicle system is uploaded from the vehicle to the server for secure storage.

Maintenance of the server may require vendor supplying OPD with the server software to handle data stored in it; this access will be controlled by the City's IT Department.

I. **Alternatives Considered:** *A summary of all alternative methods considered in-lieu of ALPR, including the costs and benefits associated with each alternative and an explanation of the reasons why each alternative is inadequate*

OPD officers and investigators rely primarily on traditional policing techniques to gather evidence related to criminal investigations such as speaking to witnesses and suspects, gathering information from observations, and using standard data aggregation systems. These methods will continue to be employed as primary investigative tools that will be supplemented by use of BWCs to document police activity.

ALPR technology provides LEA personnel with a fast and efficient way to connect vehicles to violent and felonious criminal activity. This tool helps OPD's authorized personnel increase their ability to find wanted suspects and help solve crimes in a way that is unique – by creating a time map of vehicle locational activity. OPD recognizes the privacy concerns inherent in such a technology but has in place the numerous mitigations and data security protocols described in sections five and seven above respectively. However, OPD believes that the alternative to ALPR

usage would be to forgo its observational and investigatory benefits. OPD LEA personnel, without access to ALPR data, would rely on patrol officer observations and other basic investigatory processes. OPD data suggest that some future violent felonies would remain unsolved if only for the inability to use ALPR technology.

J. Track Record of Other Entities

Numerous local and state government entities have researched and evaluated the use of ALPR cameras. The International Association of Chiefs of Police (IACP) documents many recent reports[5]. The AICP report, "News Stories about Law Enforcement ALPR Successes September 2017 - September, 2018"[6] presents scores of cases from different national LEA jurisdictions where ALPR data helped lead to the capture of violent criminals. A July 2014 study[7] from the Rand Corporation research organization found that ALPR cameras have proven useful for crime investigations in numerous cities and states, and that systems with the most database access and longest retention policies provide the greatest use in terms of providing real-time information as well as useful investigation data. This report also find that privacy mitigations are critical to ensuring legal use of ALPR and public privacy protections. The RAND report, in considering privacy concerns discusses the difference between collecting only license plate data and other personally identifiable information (PII); OPD ALPR system does not collect PII. The RAND report also cites a 2013 ACLU report (page 17) which raises First Amendment concerns and that such concerns are increased in proportion to longer data retention periods (increased potential for tracking vehicle travel patterns and locations) as well as less controlled database access (greater risk of improper use).

[5] https://www.theiacp.org/projects/automated-license-plate-recognition

[6] https://www.theiacp.org/sites/default/files/ALPR%20Success%20News%20Stories%202018.pdf

[7] https://www.rand.org/pubs/research_reports/RR467.html

Appendix A:

Cases Where the Vehicle ALPR System Alerted Officers to Vehicle on a California Department of Justice Hot List: January 1, 2020-December 31, 2020

1. 20-000094 1/3/2020: Oakland Police officers took a report of a stolen vehicle on 1/1/20. Two days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. Officers recovered the vehicle from the 800 Blk of 35th Street. Age of Data 2 days.

2. 20-001459 1/8/2020: Hayward police officers took a report of a stolen vehicle on 1/4/20. Four days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. Officers recovered the vehicle from the 1500 Blk of 32nd Street. Age of Data 4 days.

3. 20-005991 2/21/2020: Oakland police officers took a report of a stolen vehicle on 1/31/20. Twenty one days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. Officers recovered the vehicle from the 1200 blk of E 17th St. Age of Data 22 days.

4. 20-004363 1/26/2020: Oakland police officers took a report of a stolen vehicle on 1/23/20. Three days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. Officers were able to set up surveillance on the vehicle and observe the suspect return to the vehicle. The suspect drove the vehicle away and was stopped a short distance later where he was arrested. The vehicle was then recovered from the 1700 Blk of International Blvd. Age of Data 3 days.

5. 20-005852 1/30/2020: San Francisco police officers took a report of a stolen vehicle on 1/25/20. Five days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 900 Blk of Adeline Street. Age of Data 5 days.

6. 20-007296 2/22/2020: Oakland police officers took a report of a stolen vehicle on 2/6/20. Sixteen days later Oakland officers on patrol were alerted to the stolen vehicle by their vehicle ALPR system. The officer conducted a vehicle stop on the vehicle where they arrested a parole who was driving the vehicle. The vehicle was then recovered from the 1600 Blk of 84th Ave. Age of Data 16 days.

7. 20-007088 2/5/2020: San Jose police officers took a report of a stolen vehicle on 2/1/20. Four days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 300 Blk of Chestnut Street. Age of Data 4 days.

8. 20-009430 2/18/2020: Emeryville police officers took a report of a stolen vehicle on 2/11/20. Seven days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 1500 block of E 17th St. Age of Data 7 days.

9. 20-009783 2/19/2020: Oakland police officers took a report of a stolen vehicle on 2/12/20. Seven days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. Officers observed a suspect in the vehicle. The suspect was arrested and showed to be on probation for theft. The vehicle was then recovered from the parking lot of 5701 Foothill Blvd. Age of Data 7 days.

10. 20-010282 2/26/2020: Oakland police officers took a report of a stolen vehicle on 2/22/20. Four days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 4400 Blk of Macarthur Blvd. Age of Data 4 days.

11. 20-009885 2/26/2020: Oakland police officers took a report of a stolen vehicle on 2/20/20. Six days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 3650 Blk of Greenacre Rd. Age of Data 6 days.

12. 20-011144 3/5/2020: Oakland technician took a report of a stolen vehicle on 2/26/2020. Seven days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 600 block of Sycamore Street. Age of Data 7 days.

13. 20-011926 3/4/2020: Oakland police officers took a report of a stolen vehicle on 3/2/20. Two days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 1900 blk of 8th Ave. Age of Data 2 days.

14. 20-011826 3/1/2020: San Francisco police officers took a report of a stolen vehicle. Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 2800 block of School St.

15. 20-012142 3/3/2020: Oakland police officers took a report of a stolen vehicle on 3/2/20. One day later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 800 Blk of 77th Ave. Age of Data 1 day.

16. 20-012178 3/3/2020: San Leandro police officers took a report of a stolen vehicle. Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 1000 Blk of 77th Ave.

17. 20-012182 3/3/2020: Hayward police officers took a report of a stolen vehicle. Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 7600 Blk of Spencer St.

18. 20-012187 3/3/2020: Salinas police officers took a report of a stolen vehicle. Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 800 Blk of 77th Ave.

19. 20-012378 3/5/2020: Oakland police officers took a report of a stolen vehicle on 3/3/20. Two days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 1900 blk of 11th Ave. Age of Data 2 days.

20. 20-014139 3/18/2020: Oakland police officers took a report of a stolen vehicle on 3/12/20. Six days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 2500 blk of 11th Ave. Age of data 6 days.

21. 20-014288 4/6/2020: Oakland police officers took a report of a carjacking on 3/13/20. Twenty four days later Oakland officers on patrol were alerted to the carjacked vehicle parked on the side of the road by their vehicle ALPR system. Officers set up surveillance on the vehicle and a suspect was arrested for possession of the stolen vehicle. The vehicle was then recovered from the 2200 Blk of E 20th St. Age of Data 24 days.

22. 20-014273 3/13/2020: San Mateo police officers took a report of a stolen vehicle on 2/21/20. Twenty three days later Oakland officers on patrol were alerted to a stolen vehicle driving in the 1000 block of Pine St by their vehicle ALPR system. Officers

stopped the vehicle and arrested two suspects out of the vehicle. The vehicle was then recovered. Age of Data 23 days.

23. 20-014139 3/18/2020: Oakland police officers took a report of a stolen vehicle on 3/12/20. Six days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 2500 blk of 11th Ave. Age of Data 6 days.

24. 20-015252 5/15/2020: Oakland police officers took a report of a stolen vehicle on 3/20/20. Fifty Six days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 3300 block of E 16th St. Age of Data 56 days.

25. 20-016962 4/8/2020: Oakland police officers took a report of a carjacking on 3/30/20. Nine days later Oakland officers on patrol were alerted to the carjacked vehicle parked on the side of the road by their vehicle ALPR system. A suspect was observed in the vehicle. The suspect was arrested. The vehicle was recovered from the 1400 Blk of 16th Ave. Age of Data 9 days.

26. 20-017760 4/4/2020: San Leandro police officers took a report of a stolen vehicle on 3/31/20. Four days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 1100 Blk of 2nd Ave. Age of Data 4 days.

27. 20-017979 4/10/2020: Oakland police officers took a report of a stolen vehicle on 4/6/20. Four days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 1800 Blk of E 15th St. Age of Data 4 days.

28. 20-018110 4/10/2020: Oakland police officers took a report of a stolen vehicle on 4/7/20. Three days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. A suspect was in the vehicle and was on probation for stealing vehicles. The suspect was arrested. The vehicle was then recovered from the 3900 blk of Alameda Ave. Age of Data 3 days.

29. 20-019320 4/17/2020: Oakland police officers took a report of an embezzled vehicle on 4/15/20. Two days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. A suspect was in the vehicle and was arrested for the embezzlement of the vehicle. The suspect was on probation for stealing a vehicle. The vehicle was then recovered from the 1400 block of Lakeshore Ave. Age of Data 2 days.

30. 20-018994 4/22/2020: Oakland police officers took a report of a stolen vehicle on 4/13/20. Nine days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 2500 Blk of High St. Age of Data 9 days.

31. 20-019089 4/17/2020: Oakland technician took a report of a stolen vehicle on 4/13/20. Four days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 900 block of 10th Ave. Age of Data 4 days.

32. 20-019145 4/15/2020: Oakland police officers took a report of a stolen vehicle on 4/14/20. One day later Oakland officers on patrol were alerted to a stolen vehicle by the vehicle ALPR system. The vehicle was being driven in the 8400 Blk of San Leandro St. The driver was able to evade officers and fled. Age of Data 1 day.

33. 20-020185 4/21/2020: San Leandro police officers took a report of a stolen vehicle on 4/17/2020. Four days later Oakland officers on patrol were alerted by their vehicle ALPR system that there was a stolen vehicle parked on the side of the road. The vehicle was then recovered from the 2700 block of 10th Ave. Age of Data 4 days.

34. 20-036667 7/25/2020: Patrol Officers were alerted by the ALPR system affixed on top of their patrol vehicle of a Stolen Vehicle parked on the street in the 1400 block of 19th Ave. The vehicle was occupied by Two (2) individuals who fled and were later detained by officers. Two (2) Loaded Firearms were recovered with additional ammo kept on their person. A large amount of Narcotics were also seized as well scales and small individual baggies. Both individuals were arrested for the above detailed offences. Age of Data 4 days.

35. 20-057145 11/20/2020: Patrol Officers were alerted by the ALPR system affixed on top of their patrol vehicle of Stolen Vehicle. Officers on viewed the stolen vehicle traveling east bound on the 6500 block Foothill Blvd. One (1) individual fled the vehicle and was later arrested by on viewing Officers for Vehicle Theft and Being in Possession of Stolen Property.

36. 20-043136 8/30/2020: Patrol Officers were alerted by the ALPR system affixed on top their patrol vehicle traveling southbound on the 1100 block 9th Ave. Two(2) individuals were taken into custody without incident. Officers located Loaded Firearm on one of the individuals. Both individuals were arrested for being in possession of a stolen vehicle as well as various Firearm charges. Age of Data 8 days.

37. 20-019145 4/15/2020: Patrol Officers were alerted by the ALPR system affixed on top their patrol vehicle of a stolen vehicle traveling on the east bound on the 6900 block of San Leandro St. Officers attempted to detain the occupants of the vehicle but the occupants fled at a high rate of speed. Officers elected to not continue further action. Suspects still outstanding. Age of Data 1 day.

38. 20-059390 12/05/2020: Patrol Officers were alerted by the ALPR system affixed on top of their vehicle of a stolen vehicle traveling west bound on Highway 580 on Seminary Ave. One (1) individual was taken into custody without incident. The suspect was charged with Vehicle Theft and in Possession of a Stolen vehicle. Age of Data 2 days.

39. 20-063338 12/28/2020: While on Patrol Officers located an unoccupied Stolen vehicle at 201 Embarcadero (Estuary Park). Officers were alerted by their ALPR system affixed on top of their patrol vehicle. Suspect still outstanding. Age of Data 1 day.

40. 20-060937 12/12/2020: While on Patrol Officers located an unoccupied Stolen vehicle on the 800 block of Pine St. Officers were alerted by their ALPR system affixed on top of their patrol vehicle. Suspect still outstanding. Age of data 25 Days.

41. 20-059195 12/11/2020: While on Patrol Officers located a unoccupied Stolen vehicle in the area of Macarthur Ave and Pierson St. Officers were alerted by their ALPR system affixed on top of their patrol vehicle. Suspect still outstanding. Age of Data 8 days.

42. 20-054176 11/2/2020: While on Patrol Officers located an unoccupied Stolen Vehicle on the 800 block of Broadway. Officers were alerted by their ALPR system affixed on top of their patrol vehicle. Suspect still outstanding. Age of Data 4 days.

43. 20-058452 11/28/2020: While on Patrol near 7th St and Campbell St, Officers were alerted by their ALPR system affixed on top of their vehicle of a Stolen Vehicle. Officers detained One (1) individual without incident. The individual was later arrested for Vehicle theft and possession of a Stolen Vehicle.

44. 20-036580 11/27/2020: While on Patrol Officers located an unoccupied stolen vehicle on the 600 block of 32nd St. Officers were alerted by the ALPR system affixed on top of their Patrol Vehicle. Suspect still outstanding. Age of Data 1 day.

45. 20-057842 11/24/2020: While on Patrol Officers were alerted of a Stolen Vehicle traveling southbound on the 2600 block of Fruitvale. Officers were alerted on the stolen vehicle by the ALPR system affixed on top of their Patrol Vehicle. One (1) Individual was taken into custody without incident. The individual was arrested for Vehicle Theft. Age of Data 1 day.

46. 20-057430 11/22/2020: While on Patrol Officers were alerted of a Stolen Vehicle traveling south bound on the 16th Ave bridge heading towards Embarcadero Ave. Officers were alerted by the ALPR system affixed on top of their Patrol Vehicle. One(1) individual was taken into custody without incident. That individual was arrested for vehicle theft, possession of a stolen vehicle, and in possession of marijuana. Age of Data 14 days.

47. 20-057357 11/21/2020: While on Patrol Officers located an unoccupied stolen vehicle on the 1300 block of 5th St. Officers were alerted of the stolen vehicle by the ALPR system affixed to the top of their patrol vehicle. Suspect still outstanding. Age of Data 4 days.

48. 20-047595 11/15/2020: While on Patrol Officers located an unoccupied stolen vehicle on the 4500 block of Roberts Ave. Officers were alerted of the stolen vehicle by the ALPR system affixed to the top of their patrol vehicle. Suspect still outstanding. Date of Theft 9/25/2020.

49. 20-056291 11/15/2020: While on patrol Officers located an unoccupied stolen vehicle IFO 1643 8th St. Officers were alerted of the stolen vehicle by the ALPR system affixed to top of their patrol vehicle. Suspect still outstanding. Date of Theft 11/15/2020.

50. 20-049020 11/11/2020: While on patrol Officers located an unoccupied stolen vehicle on the 1200 block 12th St. Officers were alerted of the stolen vehicle by the ALPR system affixed to the top of their patrol vehicle. Suspect still outstanding. Date of theft 9/19/2020.

51. 20-052629 11/09/2020: While on patrol Officers located an unoccupied stolen vehicle on the 3400 block of Magnolia. Officers were alerted of the stolen vehicle by the ALPR system affixed to the top of their patrol vehicle. Suspect still outstanding. Date of Theft 11/08/2020.

52. 20-054734 11/08/2020: While on patrol Officers located an unoccupied stolen vehicle on the 2200 block of E 19th St. Officers were alerted of the stolen vehicle by the ALPR system affixed to the top of their patrol vehicle. The vehicle had been carjacked earlier that week. Suspect still outstanding. Date of Theft 11/05/2020.

53. 20-055061 11/14/2020: While on patrol Officers located an unoccupied stolen vehicle on the 3200 block of Kingsland Ave. Officers were alerted of the stolen vehicle by the ALPR system affixed to the top of their patrol vehicle. Suspect still outstanding. Date of Theft 11/08/2020.

54. 20-054880 11/07/2020: While on patrol Officers were alerted by their ALPR system that is affixed on top of their patrol vehicle of a stolen vehicle traveling south bound on the 1200 block of 19th Ave. One (1) individual was taken into custody without incident. The individual was arrested for an outstanding Felony Bench warrant as well as for stolen vehicle and knowingly being in possession of a stolen vehicle. This individual was on probation for various past crimes including stealing vehicles. Date of Theft 11/06/2020.

55. 20-053512 11/02/2020: While on patrol Officers located an unoccupied stolen vehicle on the 1700 block of 16th St. Officers were alerted of the stolen vehicle by the ALPR system affixed to top of their patrol vehicle. Suspect still outstanding. Date of Theft 10/29/2020.

56. 20-054063 11/2/2020: While on patrol Officers located an unoccupied stolen vehicle on the 2600 block of Chestnut. Officers were alerted of the stolen vehicle by the ALPR system affixed to top of their patrol vehicle. Suspect still outstanding. Date of Theft 10/29/2020.

57. 20-053879 11/1/2020: While on patrol Officers located an unoccupied stolen vehicle on the 800 block Mandela Parkway. Officers were alerted of the stolen vehicle by the ALPR system affixed to top of their patrol vehicle. Suspect still outstanding. Date of Theft 8/1/2020.

58. 20-052301 10/27/2020: While on patrol Officers were alerted by the ALPR system affixed to the top of their patrol vehicle of a stolen vehicle traveling west bound on the 1700 block of E 12th St. One (1) individual was taken into custody without incident. The individual was arrested for vehicle theft, being possession of a stolen vehicle, and probation violation. Date of Theft 10/23/2020.

59. 20-052736 10/26/2020: While on patrol Officers located an unoccupied stolen vehicle on the 300 block of Peralta. Officers were alerted of the stolen vehicle by the ALPR system affixed to top of their patrol vehicle. Suspect still outstanding. Date of Theft 10/13/2020.

60. 20-052724 10/25/2020: Robbery Investigator sent out a department wide email on 07 Aug 20 detailing the robbery and sent an Automated License Plate Reader (ALPR) photo of the suspect vehicle. Field contact reports of occupants inside the suspect vehicle were requested. Officers viewed this email, including the attached suspect vehicle photo. The subject was also wanted in connection to a murder investigation. Officers used ALPRS hits to track down known location of the suspect and patterns of places traveled. Officers located the suspect vehicle and that individual was taken into custody

and transported to CID investigations. Date of original incident 08/7/2020 2 Months Apart.

61. 20-052629 10/25/2020: While on patrol Officers located an unoccupied stolen vehicle IFO 3420 Magnolia St. Officers were alerted of the stolen vehicle by the ALPR system affixed to top of their patrol vehicle. Suspect still outstanding. Date of Theft 10/15/2020.

62. 20-052428 10/23/2020: While on patrol Officers located an unoccupied stolen vehicle IFO 3420 Magnolia St. Officers were alerted of the stolen vehicle by the ALPR system affixed to top of their patrol vehicle. Suspect still outstanding. Date of Theft 10/20/2020.

63. 20-053299 10/23/2020: Outside Agency Report No.: Berkeley Report 20-48997 While on patrol Officers located an unoccupied stolen vehicle IFO 100 Admiral Toney Way. Officers were alerted of the stolen vehicle by the ALPR system affixed to top of their patrol vehicle. Suspect still outstanding. Date of Theft 11/23/20.

64. 20-051391 10/27/2020: While on patrol Officers were alerted by their ALPR system to a unoccupied stolen vehicle parked on the 900 block of 10th St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Suspect still outstanding. Date of Theft 10/23/2020.

65. 20-040168 10/6/2020: While on patrol Officers were alerted by their ALPR system to a unoccupied stolen vehicle parked on the 900 block of 10th St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Suspect still outstanding. Date of Theft 10/6/2020.

66. 20-049103 10/6/2020: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked IFO 1212 Center St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Suspect still outstanding. Date of Theft 10/4/2020.

67. 20-048660 10/5/2020: While on patrol Officers were alerted by the ALPR system affixed to the top of their patrol vehicle of a stolen vehicle parked in the lot of 3232 Foothill Blvd. One (1) individual was taken into custody without incident. The individual was arrested for vehicle theft, being possession of a stolen vehicle, and probation violation. Date of Theft 10/1/2020.

68. 20-049020 10/11/2020: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 1200 block of Peralta St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Suspect still outstanding. Date of Theft 9/19/2020.

69. 20-049008 10/3/2020: While on patrol Officers were alerted by their ALPR system of a stolen vehicle traveling west bound on the 1500 block of E 12th St. The Officers were alerted by ALPR system affixed on top of their vehicle. One (1) individual was taken into custody without incident. This individual was later arrested for stolen vehicle and possession of burglary tools. Date of Theft 9/3/2020.

70. 20-049103 10/4/2020: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 1200 block of Center St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Suspect still outstanding. Date of Theft 10/4/2020.

71. 20-048696 11/1/2020: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 3400 block West St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Suspect still outstanding. Date of Theft 10/1/2020.

72. 20-47676 9/25/2020: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the area of Rilea Wy and Kellar Ave. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Suspect still outstanding.

73. 20-047595 11/15/2020: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 4500 block of Roberts Ave The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Date of Theft 9/25/2020.

74. 20-042657 8/28/2020: While on patrol Officers were alerted by their ALPR system on a Stolen License plate on a vehicle that later identified as a stolen vehicle. Officers used the ALPR system affixed on top of their Patrol vehicle. Two (2) individuals were detained pending further investigation. One (1) individual was later arrested after determining that the vehicle was stolen after a file check of the vehicles VIN. Date of theft 5/7/2020.

75. 20-035085 8/22/2020: While on patrol Officers were alerted by their ALPR system on a Stolen Vehicle traveling east bound on the 2600 block of E 12th St. Officers used the ALPR system affixed on top of their Patrol vehicle. Two (2) individuals were detained for further investigation. One (1) individual was later arrested for stolen vehicle and probation violation for committing a felony while on probation. Date of Theft 7/16/2020.

76. 20-037402 8/20/2020: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 3500 block of Diamond Ave. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Suspect still outstanding. Date of Theft 7/29/2020.

77. 20-038282 8/20/2020: While on patrol Officers were alerted by their ALPR system on a Stolen Vehicle traveling south bound on the 3500 block of Fruitvale Ave. Officers used the ALPR system affixed on top of their Patrol vehicle. One (1) individual was detained for further investigation. That individual was later arrested for stolen vehicle and possession of a stolen vehicle. Date of Theft 8/3/2020.

78. 20-040555 8/6/2020: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 4600 block of Meldon Ave The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding. Date of Theft 7/28/2020.

79. 20-040352 8/14/2020: While on patrol Officers were alerted by their ALPR system on a Stolen Vehicle traveling north bound on the 1100 block of 16th Ave. The ALPR system affixed on top of their Patrol vehicle alerted the Officers and the Officers confirmed that the vehicle was indeed stolen. One (1) individual was detained for further investigation. That individual was later arrested for stolen vehicle and possession of a stolen vehicle. Date of Theft was 8/12/2020.

80. 20-040168 10/6/2020: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 2400 block 21st Ave. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. After verifying the vehicle was indeed stolen and unoccupied. The owner of the vehicle was very happy to be able to recover his vehicle. Date of Theft 8/13/2020.

81. 20-038507 8/4/2020: While on patrol Officers were alerted by their ALPR system on a Stolen Vehicle traveling east bound 2100 block of International blvd. The ALPR system affixed on top of their Patrol vehicle alerted the Officers and the Officers confirmed that the vehicle was indeed stolen. One (1) individual was detained for further investigation. That individual was later arrested for stolen vehicle, possession of a stolen vehicle and parole violation. Date of theft 8/3/2020.

82. 20-037670 7/31/2020: While on patrol Officers were alerted by their ALPR system on a Stolen Vehicle traveling east bound 1400 block of 19th Ave. The ALPR system affixed on top of their Patrol vehicle alerted the Officers and the Officers confirmed that the vehicle was indeed stolen. One (1) individual was detained following a foot pursuit. A

firearm was recovered. That individual was later arrested for stolen vehicle, possession of a stolen vehicle, Various firearm charges (Loaded firearm in public, concealed loaded firearm in vehicle), and a probation violation. Date of Theft 7/21/2020.

83. 20-036747 7/26/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 200 block of Wayne Ave. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. After verifying the vehicle was indeed stolen and unoccupied. The registered owner was notified and later arrived on scene and was very happy to retake ownership of his vehicle.

84. 20-036580 7/25/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 600 block of 32nd St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding.

85. 20-035588 7/20/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the Helen St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding. Date of Theft 7/5/20.

86. 20-035206 Outside Agency Report No.: Suisun PD 20-1881 7/18/20:
While on patrol Officers were alerted by their ALPR system on a Stolen Vehicle traveling east bound 700 block of 17th St. The ALPR system affixed on top of their Patrol vehicle alerted the Officers and the Officers confirmed that the vehicle was indeed stolen. Three (3) individuals were detained. One (1) individual was determined to be the driver was later arrested for stolen vehicle, possession of a stolen vehicle, and a probation violation. Date of Theft 7/13/20.

87. 20-034760 7/16/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 1000 block of E 20th St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding.

88. 20-034795 Outside Agency Report No.: Richmond PD# 20-6125 7/15/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the W. Macarthur Ave. The ALPR system that is affixed above their patrol

vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding.

89. 20-031006 Outside Agency Report No.: Berkeley PD 20-29303 6/25/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 3300 block of 13th Ave. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding.

90. 20-036747 7/26/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 200 block of Wayne. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding.

91. 20-026866 5/31/20: Officers observed a vehicle fleeing the area at a high rate of speed after a fire had been set near the OPD gas pumps (6th St and Washington St). Officers attempted to conduct a stop of the vehicle but lost the vehicle as it fled from Officers. Officers conducted an ALPR search for past hits throughout Oakland. The search resulted with the suspect vehicle parked on the 2300 block of E15th St. Officers searched the area and located the suspect vehicle on the 1500 block of Miller St. The suspect was arrested for fleeing and Arson.

92. 20-021377 5/20/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 2000 block of 13th Ave. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding.

93. 20-025087 Outside Agency Report No.: San Francisco 200277033 5/20/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 1300 block of E 20th St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding.

94. 20-024942 Outside Agency Report No.: San Pablo S20-1363 5/19/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 1700 7th Ave. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding.

95. 20-024499 5/19/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 2500 block 10th Ave. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. One (1) of the license plates had been switched with another stolen license plate of another similar vehicle. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding.

96. 20-024795 5/19/20: While on patrol Officers were alerted by the ALPR system of a stolen vehicle traveling south bound on the 1900 block of Embarcadero. The ALPR system affixed on top of their Patrol vehicle alerted the Officers and the Officers confirmed that the vehicle was indeed stolen. One (1) individual was detained for further investigation. That individual was later arrested for stolen vehicle, possession of a stolen vehicle and an Ex-felon in possession of Body Armor.

97. 20-015252 5/15/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 3300 block of E 16th St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding. Date of Theft 3/19/20.

98. 20-021429 5/1/20: While on patrol Officers were alerted by their ALPR system to an unoccupied stolen vehicle parked on the 2600 block of E 27th St. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. Officers verified the vehicle was indeed stolen and unoccupied. Suspect still outstanding.

99. 20-021830 4/30/20: While On patrol Officers were alerted by their ALPR system of a stolen vehicle parked on the 4500 block of Macarthur Blvd. The ALPR system that is affixed above their patrol vehicle provided a picture of the vehicle and the license plate. An individual was detained without incident pending further investigation. After conducting a file check, it was determined that the plates had been switched. One (1) of the license plates had been switched with another stolen license plate of another similar vehicle. The individual was later cited and release for Burglary Tools.

Appendix B:

Automated License Plate Use Cases

20-042436
On August 26, 2020 a residential burglary occurred. The suspect vehicle description and license plate number were obtained and the ALPR system was queried. The system showed a recent location where the vehicle had been parked. The vehicle information along with the location where the vehicle was seen parked were disseminated to officers for extra patrols in the area to search for the vehicle. (Data age 3 months)

20-042543
On August 27, 2020 an armed robbery occurred. A suspect vehicle license plate was obtained, and an ALPR query was conducted. A picture showing distinctive things about the vehicle was obtained from the system and it was disseminated to officers. (Data age 3 months)

20-054741
On November 5, 2020 a patrol unit received an alert on their vehicle computer that their ALPR system had just identified a stolen vehicle. The officers confirmed that the vehicle was stolen and conducted a high-risk vehicle stop on the vehicle. The driver was arrested for the stolen vehicle and a search of the vehicle was conducted. Officers found explosives, two firearms, ammunition, counterfeit money, and marijuana for sales. (Real Time Usage)

20-054097
On November 2, 2020 an accident occurred in the city of Oakland, The driver of one of the vehicles refused to exchange information with the other driver and instead retrieved a firearm from his vehicle and proceeded to rob the other driver at gunpoint. When officers arrived on scene the victim of the robbery provided them with the license plate of the suspect vehicle. Officers queried the ALPR system which revealed a match to the suspect vehicle. Officers were able to locate the vehicle which resulted in additional evidence. (Data Age 3 months)

20-057415
On November 22, 2020 an armed carjacking occurred. An armed suspect approached a vehicle and ordered the victim out of the vehicle at gunpoint. The suspect then fled with the vehicle. The investigator used the ALPR system to locate a photograph of the vehicle which was disseminated to officers. The vehicle was later located. (Data age 6 months)

20-032901
On July 5, 2020 a suspect physically assaulted a victim by punching her in the head ten to twelve times and then stole her property. The victim was able to give the suspects license plate to officers. An ALPR query was conducted which revealed a picture of the vehicle which was disseminated to officers. (Data age 2 months)

20-038069
On August 2, 2020 a strong-armed carjacking occurred. The victim was being followed by two vehicles which boxed him in preventing his escape. The suspects pulled the victim from the vehicle and proceeded to punch and kick him. The suspects then fled with the victim's vehicle. The Investigator ran a query of the victim vehicle license plate in the ALPR system which revealed a photo of vehicle. The photograph was disseminated to officers. (Data age 1 month)

20-058470
On November 28, 2020 an armed carjacking occurred. Two suspects approached the victim who had just parked his car. The suspects proceeded to rob him at gunpoint and took his vehicle. The investigator ran a query in the ALPR system and obtained a photo of the victim's vehicle which he disseminated to officers. (Data age 1 month)

20-042319
On August 26, 2020 an attempted robbery occurred. A suspect approached the victim who was sitting in his car and pointed a firearm at him while trying to enter the vehicle. The victim was able to flee the scene and observed the suspect getting into a vehicle. The victim was able to see a partial plate on the suspect vehicle. The investigator was able to conduct an ALPR query on the partial plate and was able to identify a possible suspect vehicle and full license plate. The photograph of the vehicle was disseminated to officers. (Data age 3 months)

20-063066
On December 26, 2020 a residential burglary and assault with a deadly weapon occurred. The suspect entered the victim's basement and then left. Another victim followed the suspect who then shot at the victim and fled the area in a vehicle. Officers were able to obtain a partial license plate of the suspect vehicle. The investigator was able to conduct a partial plate query on the suspect vehicle which revealed a possible license plate and vehicle photo. The photograph was disseminated to officers. (Data age 1 month)

20-003497
On January 19, 2020 an assault on a police officer occurred. An Oakland Police officer in full uniform and in a fully marked patrol vehicle observed several motorcycles and ATVs driving recklessly. The officer attempted to conduct a vehicle stop for the reckless driving. One of the ATVs rammed the officer's driver door as he got out causing injury to the officer. An ALPR query on a Pickup truck license plate which had been transporting the Suspects and their ATVs was conducted which revealed a photograph of the suspect vehicle and common areas where the vehicle had been in the past. The photograph of the suspect vehicle was disseminated to officers. (Data age 4 months)

20-004940
On January 26, 2020 an assault with a deadly weapon occurred. The victim was assaulted by two suspects while in his vehicle. One of the suspects shot the victim in the neck and then both suspects fled the scene in another vehicle. The license plate of the suspect vehicle was obtained, and an ALPR system query revealed a photograph of the vehicle. The photograph of the vehicle was disseminated to officers who were able to locate it. The vehicle was processed

for evidence and the suspects were taken into custody. (Data age 6 months)

21-002381
On January 15, 2021 an armed robbery occurred. Two suspects approached two victims as they walked out of a sandwich shop and robbed them at gunpoint, physically ripping their purses out of their possession. The suspects fled in a vehicle and a partial license plate was obtained. Officers were able to conduct an ALPR system query which revealed a possible suspect vehicle with full license plate as well as matching damage as described by the victims. Officers disseminated the photograph of the vehicle along with the locations where the vehicle had been in the past. (Data age 1 year)

21-002808
On January 18, 2021 an armed robbery occurred. A suspect armed with a firearm approached victims who were exchanging groceries. The suspect pointed a firearm at the victims and robbed them. The suspect fled in a vehicle. A partial license plate was obtained for the suspect vehicle. Officers conducted an ALPR system query which revealed an entire license plate for the suspect vehicle. (Data age 1 month)

21-04318
On January 28, 2021 an assault with a deadly weapon occurred. A suspect vehicle was seen chasing and shooting at another vehicle. The suspect missed the intended vehicle and struck a passing vehicle with three people as well as a business. A license plate was obtained for the suspect vehicle and the Watch commander conducted an ALPR system query which revealed a photograph of the suspect vehicle. The photograph added additional details for officers to be able to locate the vehicle. (Data age 6 months)

RD# 20-016214
Missing Person + Homicide Case – A female was reported missing. During the CID investigation, a positive hit was recorded by an ALPR system (based on the vehicle license plate registered to the missing person). Officers responded, and her deceased remains were found in the truck of the vehicle. There is an ongoing homicide investigation. (Data age TBD)

RD# 20-017986
Human Trafficking Case – A juvenile was a victim of human trafficking. The CID investigator utilized ALPR to identify the suspect. The victim was safely relocated. A Ramey warrant[8] was authorized for the suspect's arrest. (Data age TBD)

RD# 20-017986
Human Trafficking Case – A DOE was kidnapped and the victim was able to provide investigators with a license plate. Investigators inputted the license number into the OPD ALPR

[8] A Ramey Warrant is an arrest warrant that is obtained by a police agency directly from a judge and bypassing the district attorney (DA) (who otherwise issues arrest warrants). In the interest of faster processing due to the nature of the crime and/or DA availability, a police agency may skip the district attorney and go directly to a judge. The police agency must submit a declaration, along with a report, to the judge setting out their reasons for requesting that the judge issue the warrant; the judge must believe that there is probable cause, and sufficient evidence that the suspect has committed a crime.

system so officers could identify a suspect if there was an ALPR hit. (Data age TBD)

RD# 20-043740
Human Trafficking Case – undercover OPD officers were working a sting operation when they were approached by a subject who attempted to kidnap them. The suspect was arrested and taken into custody, but his accomplice fled the scene. Body-worn camera (BWC) footage and officer observation captured the suspect vehicle. A Ramey warrant is now pending for the outstanding suspect. (Data age TBD)

RD# 20-000543
Sexual Assault – A person was sexually assaulted. ALPR was used to locate and arrest the suspect. This case has been charged by the DA's Office. (Data age TBD)