Automatic License Plate Recognition Technology (ALPR)

ALPR Technology for Improved Customer Safety and Security at BART Parking Facilities
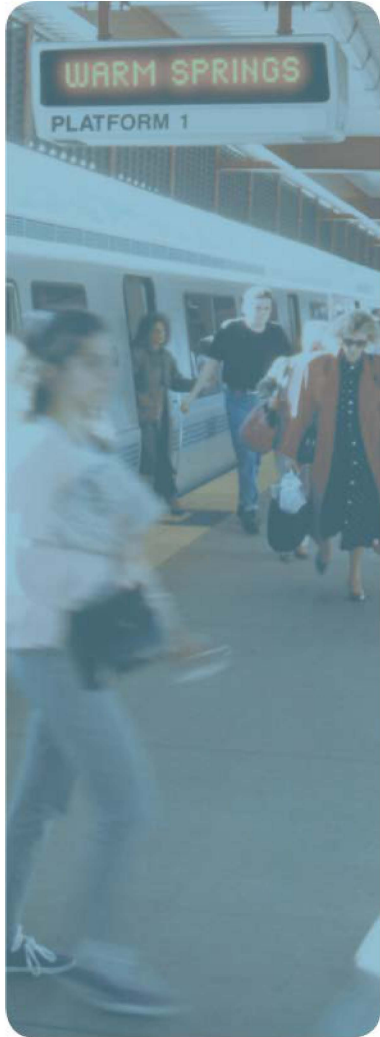
ALPR will complement BART Existing Improvements in Safety and Security Technology

- ALPR will fill a vital technology role of security and protection for BART Customers using BART Parking Facilities.

- The BART Watch Smartphone App and cameras cover the Trains, the Emergency Call Boxes and cameras cover the Platforms.

- Skywatch platform towers provide increased Customer Security during high volume events.

- ALPR will cover the parking lots for greater safety and security for Bart Customers in BART parking areas.

ALPR Technology:
Show Successful Statistics for Reducing Crime

ALPR technology increases law enforcement's ability to recover lost or stolen property as well as provide evidentiary support for criminal prosecution.

In 2012, the RAND Corporation conducted a study on ALPR Technologies across the United States and found that ALPR use by Law Enforcement was responsible for increasing Stolen Vehicle recovery by 50%.

In 2017, the FBI reported 70% of crimes are committed by people driving vehicles. Identification of vehicles entering BART parking areas provide avenues to apprehend those who commit both violent crimes as well as auto theft, burglary and vandalism.

Identification of vehicles can also provide for improved resolutions of AMBER and SILVER Alerts as well as missing persons.

Improved Safety and Security for BART Riders in BART Parking Areas

BART Annual Crime Statistics Numbers per Year	2017	2018	2 Year Average
Auto Burglary:	1178	930	1,054
Auto Theft:	420	354	387
Catalytic Converter Theft:	149	102	125.5

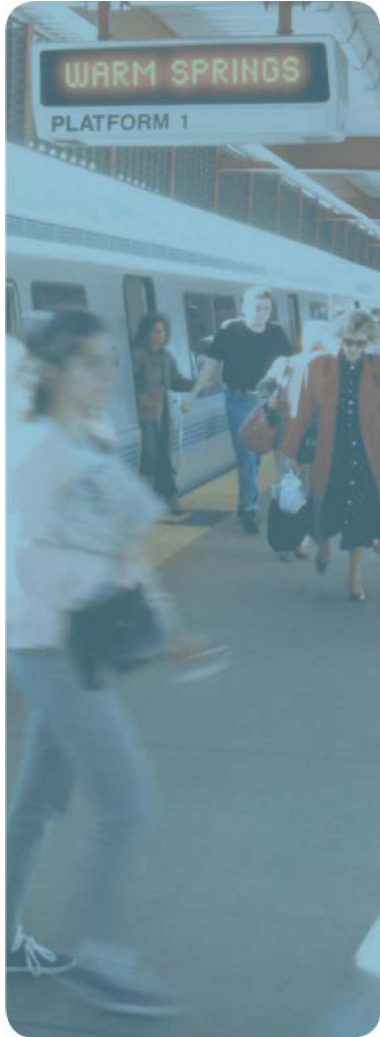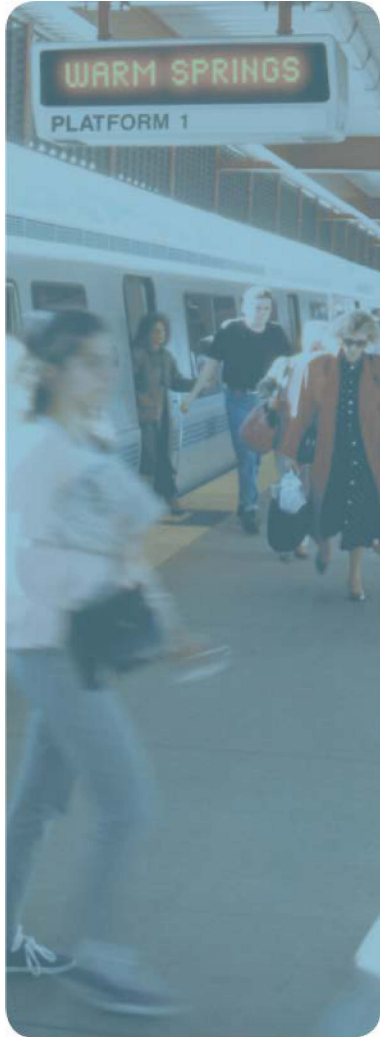| Cost Analysis	Cost to BART Riders
Auto Burglary:(Average Deductible and Property) $1,000 x 1054 cases annually =	$1,054,000
Auto Theft: (No comprehensive Insurance) $15,000 x 387 cases annually =	$5,805,000
Catalytic Converter Theft: (Average cost w/labor) $1,500 X 125.5 cases annually =	$188,250
Total Loss 2017-2018	**$7,047,250**

ALPR Technology:
How It Works To Provide Improved Protections

- ALPR is a camera system that takes a picture of a license plate and converts the photograph of the license plate, and any characters it contains, into computer-readable data format.

- The license plate number data is compared to an existing list of stolen vehicles, Be On The Look Out (BOLO) Alerts, AMBER, SILVER and other alerts which are accessible by Law Enforcement Agencies.

- If approved, the ALPR data captured at BART Parking Facilities would be stored with the Northern California Regional Intelligence Center (NCRIC). The data would be shared with Law Enforcement Agencies that have a legal right to access the data.

- The NCRIC does not share information with any Immigration or Alien Removal Agencies such as ICE.

ALPR Technology:
How It Works To Provide Improved Protections

In 2017 the National Insurance Crime Bureau Ranks the Bay Area (SF, Oakland, Hayward) as 12th in the Nation for Auto Crime.

BART Parking areas present a target rich environment for criminals and thieves because they know many BART Patrons leave their vehicles for 8 hours or more. ALPR Technology will be used to improve the safety and security for BART Patrons and Employees in BART Parking Areas.

- Use of ALPR will help BART Police recover losses for our Patrons.

- ALPR will serve as a deterrent in that criminals know they can be identified quickly through their license plate.

- BART Patrons using BART Parking Facilities will have a renewed sense of confidence when parking their vehicles at BART

- ALPR technology can be used to resolve cases involving vehicles associated with AMBER, SILVER and Missing Persons Alerts.
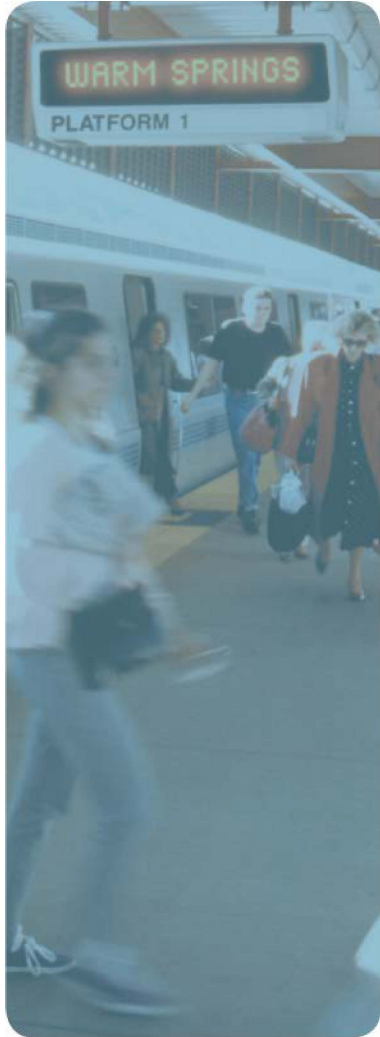
Multiple Uses of ALPR in California

FasTRAK, SFMTA and SFO Parking Areas, City and State CA Law Enforcement Agencies.
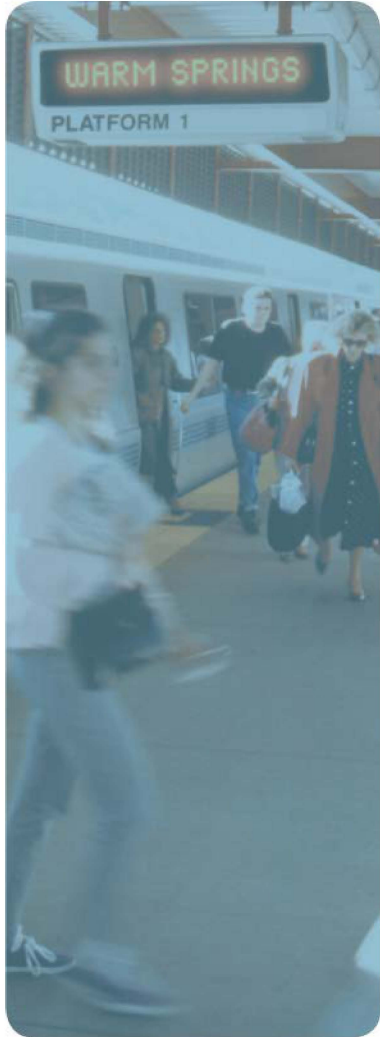
Potential Future Use: Parking Compliance Program

- Potential future use could include: Mobile and Hand Held ALPR to Streamline Parking Validation.

- Could provide accurate parking documentation and support for customer complaint resolution.

- Could be used to determine parking lot utilization and space availability.

- Could be used to automate parking fee collection. The City of Sacramento has been using ALPR for parking fee collection since 2004 and has collected 9 million dollars in parking revenue over the past 6 years.

- If a future use of APLR for Parking Compliance is determined to present viable Customer improvements, an additional Impact and Use policy and briefing would be presented Board for decisional approval within the required 21 Advance Board and 15 Day Public notification period.

Conclusion and Questions

If Approved ALPR will fill a vital technology role of security and protection for BART Customers using BART Parking Facilities.

Questions: