

Utilizing Data Effectively

CRIME ANALYSIS COMMUNITY OF PRACTICE



Annie Mitchell, PSP Crime Analysis Community of Practice



Los Angeles County Sheriff's Department,
43 Years (Retired)



Crime Analyst, Intelligence Analyst,
Supervising Crime Analyst,
Training Coordinator



International Association of
Crime Analysts,
Vice President of Administration

“The vast majority of police agencies in the U.S. do not have the luxury of having both crime analysts and intelligence analysts. Having analysts trained and able to generate all-source and all-methods analysis is the most effective way for them to support the agencies’ missions.”

*—Marilyn Peterson, Intelligence Management Specialist,
New Jersey Division of Criminal Justice,
Department of Law and Public Safety*

What Can Crime Analysts Do for Detectives?

- Identify crime patterns and series
- Identify serial offenders
- Identify and locate suspects
- Assist with search warrants and tactical operations
- Cell phone analysis
- Create bulletins
- Review surveillance video
- Agency crime contact
- Prepare charts, graphs, and maps for investigations and courtroom presentations
- Critical thinking—utilizing the data efficiently

Costa Mesa Police Department
Robert N. Sharpnack, Chief of Police P.O. Box 1200, Costa Mesa, CA 92628

Information Bulletin

ARSON SERIES, PC451(D)



AT&T Control Box, Exemplar Above & Arson on Wilson St.





AT&T Cross Connect Box, 1885 Anaheim Ave





SCE Electrical Box, 2075 Newport Ave



REPORT #	DAY,DATE ,TIME	TARGET & LOCATION	METHOD
CMFD 18-6423	SAT, 6/30/18, 02:40	AT&T Control Box, Wilson St. West of College Ave	Undetermined
CMFD 18-8850	TUE, 7/3/18, 05:08	AT&T Cross Connect Box, 1885 Anaheim Ave	Incendiary Device
CMFD 18-9147	SUN, 7/8/18, 06:35	SCE Electrical Box, 2075 Newport Ave	Undetermined

DESCRIPTION: MALE, WHITE, 30-40 YOA, 5'8"-6'0", THIN BUILD, SHORT BROWN HAIR
wearing a plaid, long sleeved flannel shirt with gray pants.
was seen approaching the electrical box and throwing an unknown object beneath it.
device was thrown, an explosion was heard, resulting in the electrical box being

Available Data

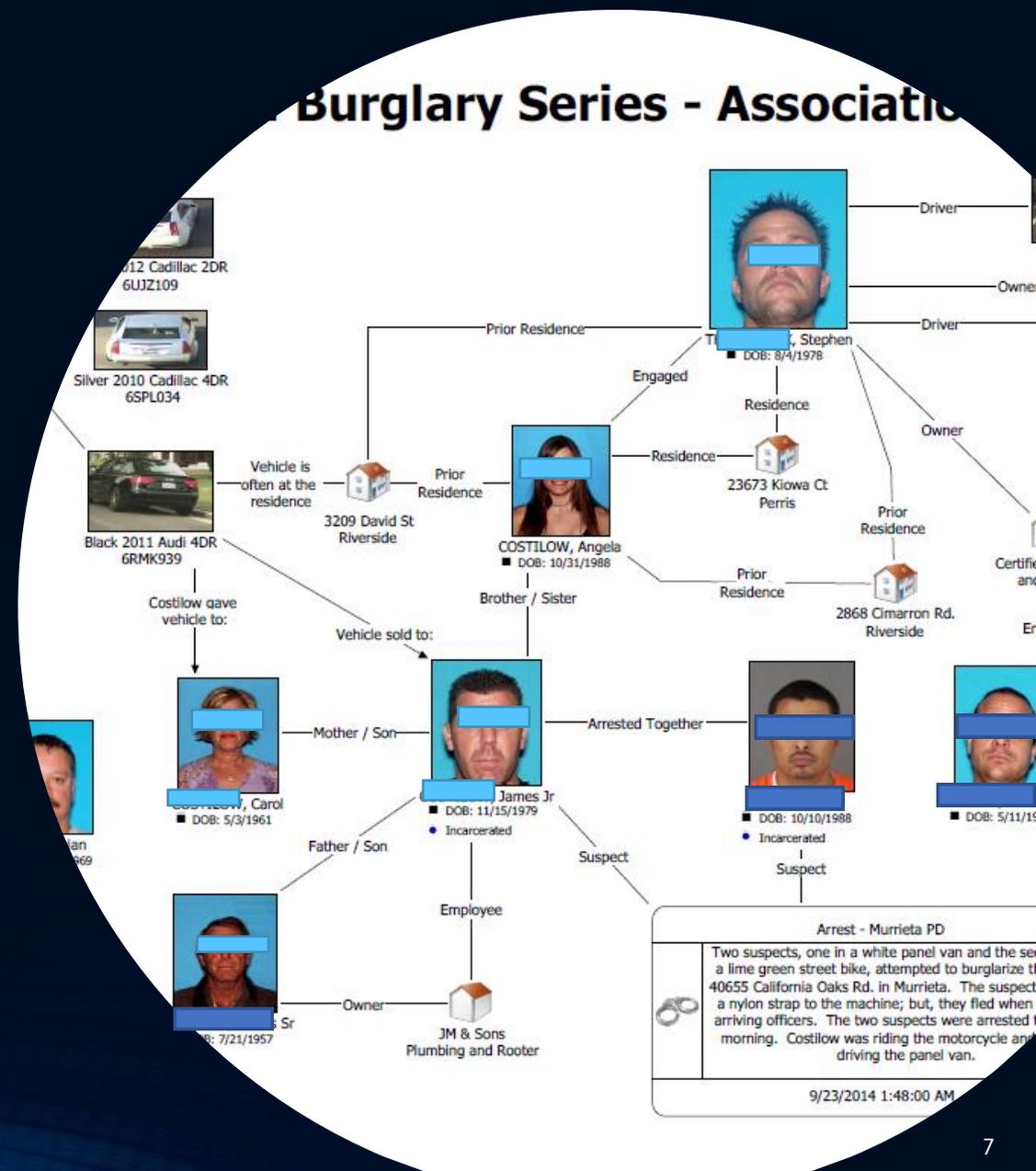
- Your agency's data sources
 - Computer-aided dispatch (CAD), Records Management System (RMS), jail bookings, visitation logs, citations, field interviews, teletype broadcasts, identify any additional software utilized
- Public record databases
 - Lexisnexis, Accurint, TLO, clear
- Social media for investigations
- Social media monitoring
- Automated license plate readers
- Facial recognition
- Integrated databases
 - COPLINK, JusticeExchange, LINX, etc.
- Etrace—ATF (<https://www.Atfonline.Gov/etrace/>)
- National Insurance Crime Bureau—ISO ClaimSearch® (www.Nicb.Org)
- State and local prisons
 - Parole, probation
- Establish network of contacts from local, state, and federal agencies and private entities
- Utility companies and U.S. Postal Service

Social Media

- How does social media help in investigations?
 - Friends
 - Relatives
 - Girlfriends/boyfriends/husbands/wives
 - Vehicles
 - Employment
 - Recent picture
 - Clothing
 - Interests
 - Locations

Investigative Products

- Link Charts
- People Associations
- Organization Associations
- Property
- Call Records
- Weapons
- Vehicles



Homicide—Analytical Assistance Suspect Identified



18-2127 PC 1871

(Little Guy) 1/14/98

(Bike guy) 11/30/95
* Bike recovered

(mask guy) 5/12/96
* already@Hanks

Cousins

"Cousins"

(Plaid shirt guy @ 711) 8/23/94

4/8/97 (Shorts/hairy Guy)

UNK Glasses Guy

friend

Taken on Sun, 2/11 @ 2055 in front of Black Bear Diner

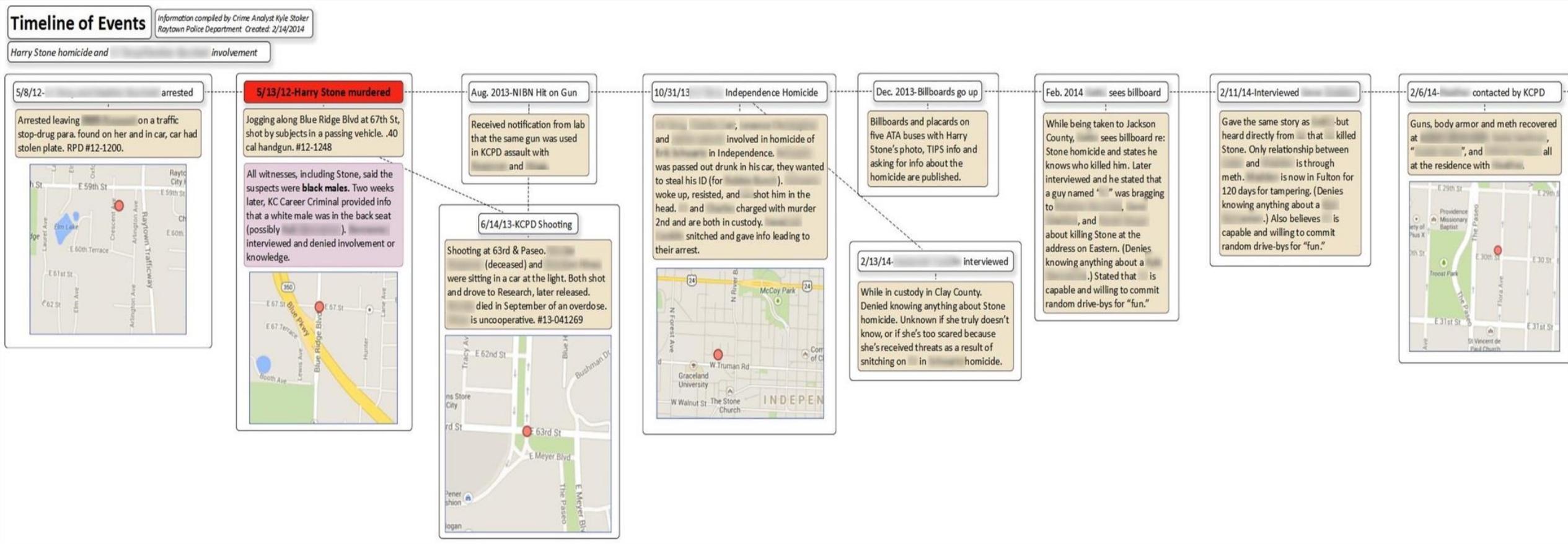
leaves taco place
goes to friend's
(UNK-Female) Vehicle (Mfd)

VICTIM

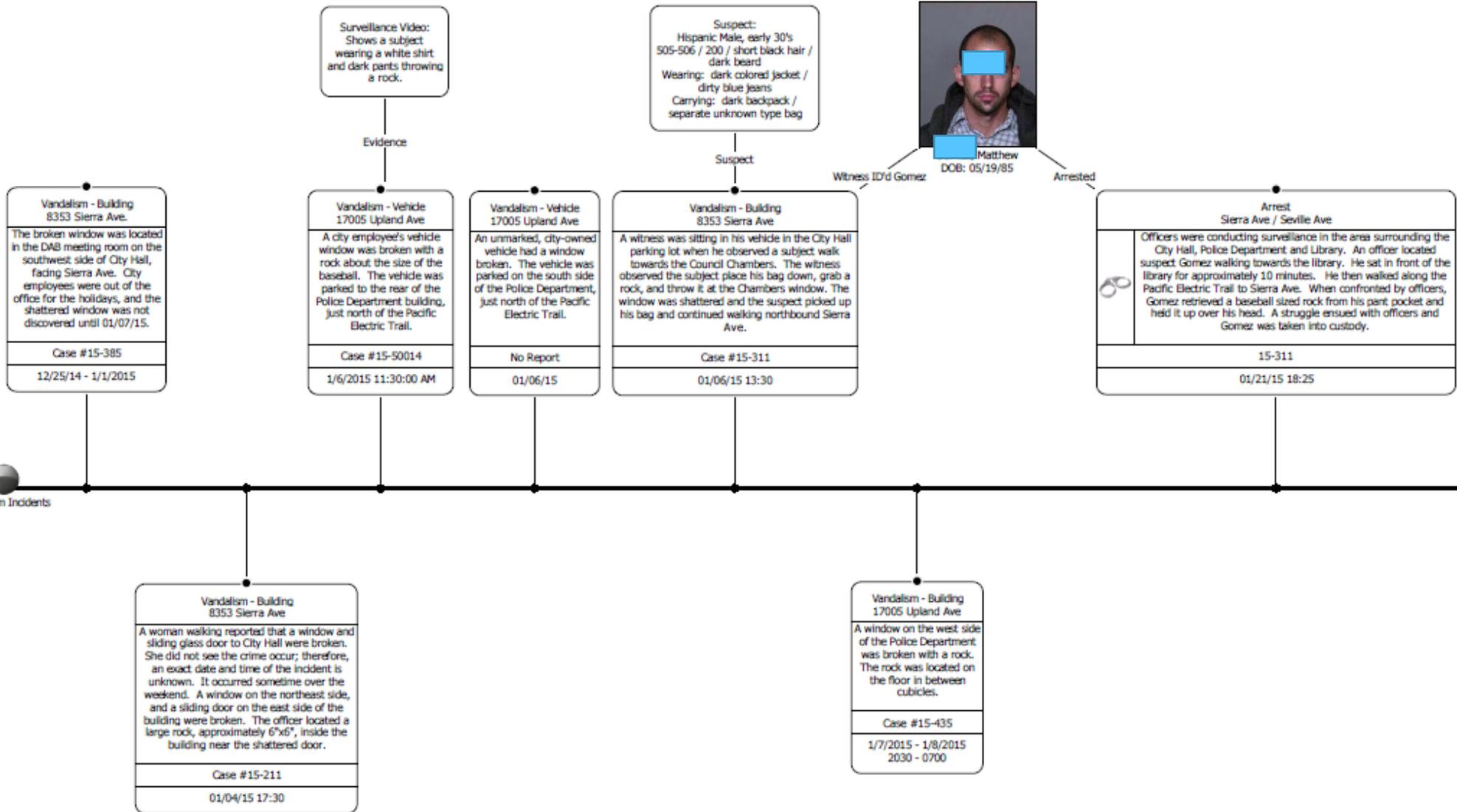
DEAD MAN

The whiteboard contains a handwritten case number '18-2127 PC 1871' at the top. Below it, several names and dates are written, some with corresponding mugshots or photos. A central diagram shows relationships between these individuals, with lines connecting them and labels like 'Cousins' and 'friend'. On the right side, there are more photos, including one of a person in a 'COSTA MESA' shirt and another of a person in a 'DEAD MAN' shirt. A date and location 'Taken on Sun, 2/11 @ 2055 in front of Black Bear Diner' is noted. At the bottom right, the word 'VICTIM' is written in red, and 'DEAD MAN' is written in red on a photo. A blue highlighter and a small black object are visible at the bottom of the whiteboard.

Timeline of Events (shows suspect's movements)

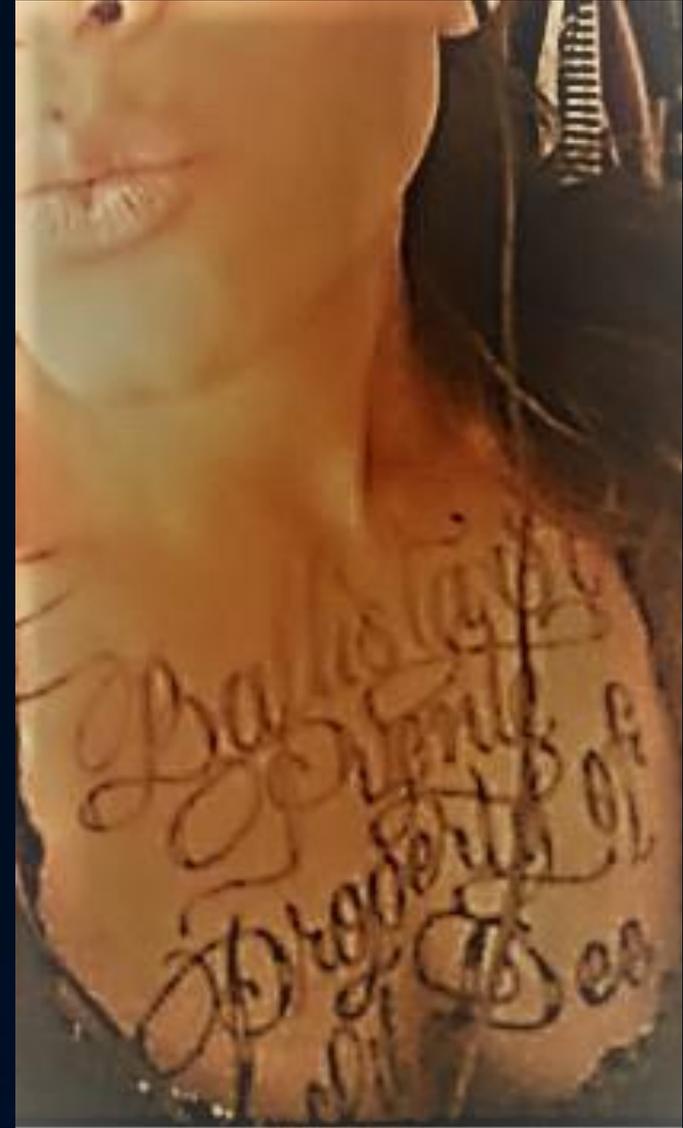


City Property Vandalism Series

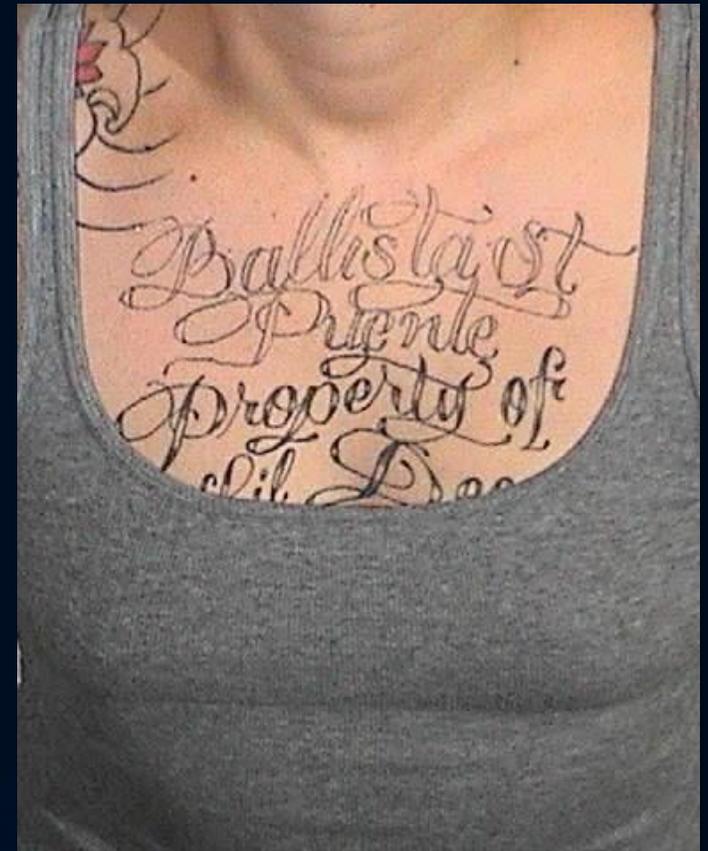
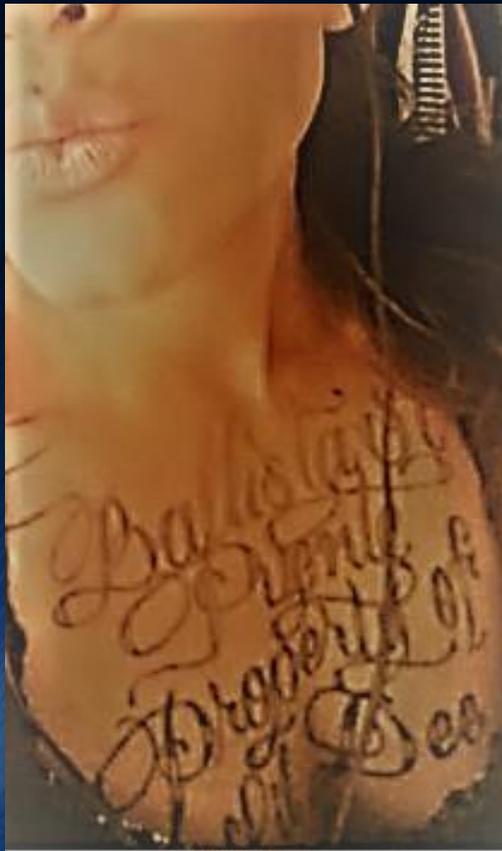


Facial/Tattoo Recognition

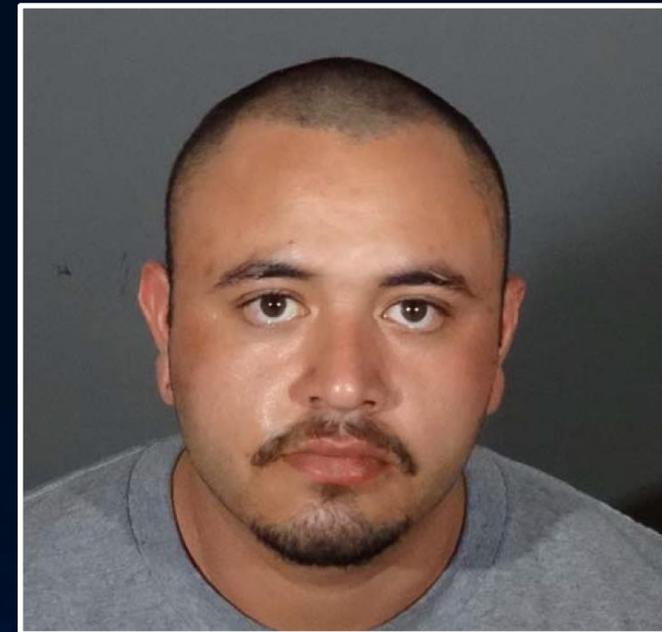
- Gang-related attempted murder
- Instagram photo of possible accomplice on victim's phone
- Who is she?
- Tried tattoo description in all available databases



Match returned in under 30 seconds



ATM



Requests for Information

- Many requests you receive are poorly articulated
- Ask clarifying questions
- Prioritize
- Administration requests—“Are these just talking points, or do you need a polished product?”



**information
sharing**

Shift

M

L

P

O

Bank Fraud Ring that Stole Wallets and more than \$700,000 in Ten States Indicted in Seattle

**Stole Wallets in Grocery Stores; Drained Bank Accounts, got Cash Advances or made
Large Purchases Using Stolen Credit Cards, Checks and Debit Cards**

- Between 2014 – 2017
- DARRYL KILGORE, 55 and Girlfriend ALEXANDRA SHELBURNE, 24
- Washington, California, Michigan, Texas, New Jersey, Colorado, Ohio and Utah
- Recruited co-conspirators to pose as the victims at area banks making large cash withdrawals or obtain cash advances.
- Used the proceeds of their scheme to buy and flip homes in the Los Angeles area, further laundering stolen money.

Organized Crime, Coordinated Response



Lalit Kundani

Los Angeles County District Attorney's Office
Southern California Crime and Intelligence Analysts' Association
February 14, 2013

Organized Crime

- Different crews of Bloods (Swans and BBops)
- Robbed more than 100 locations (estimated)
- Committed in multiple jurisdictions
- Over the course of nine months

- Inglewood Police Department
- San Diego Police Department
- Chula Vista Police Department
- Huntington Beach Police Department
- L.A. CLEAR
- U.S. Marshals Service
- California Department of Corrections, Parole
- Redondo Beach Police Department SWAT Team
- Manhattan Beach Police Department SWAT Team

- Los Angeles County District Attorney's Office, Pomona Branch Office
- Los Angeles County Sheriff's Department
 - Norwalk Substation
 - Major Crimes Bureau Fugitive Task Force
 - Operation Safe Streets
- Los Angeles Police Department
 - Robbery-Homicide Division
 - Southeast Division
 - 77th Gang Division
- Torrance Police Department
- West Covina Police Department
- Baldwin Park Police Department



Data Application Case Studies

Cell Phones





Case #: GA097165

A [REDACTED]



- On 9/2/15 at 7:54 PM, 2 suspects burglarized a residence at 277 St. Katherine Dr. in the city of La Canada-Flintridge. The victim's house was equipped with a surveillance system that captured the suspects as they approached the residence. Another surveillance system captured the two suspects in the victim's master bedroom closet (pictured above).
- After a bulletin was sent out with images of the surveillance, Detective Duran from Pasadena PD identified one of the suspects as Andre Rawal. Rawal's probation officer, Officer Mendiola, also identified one of the suspects in the surveillance as Andre Rawal.
- The image of Rawal from the surveillance was entered into the Los Angeles County Regional Identification System (L.A.C.R.I.S.) facial recognition program and Rawal's booking photo appeared as one of the possible matches.
- Rawal was arrested for 459 PC on 9/17/15. While in custody, Rawal discussed how he was "caught on camera stealing" during multiple jail phone calls.

LAW ENFORCEMENT USE ONLY

Rental Receipt

THE HERTZ CORPORATION

RENTAL AGREEMENT NO: 05050474
 RENTAL DATE: 09/15/2015
 RENTAL TIME: 17:00

Hertz

RENTAL AGREEMENT NO: 05050474
 RENTAL DATE: 09/15/2015
 RENTAL TIME: 17:00

VEHICLE: 2014 MAZDA MAZDA3
 VEHICLE NO: 2014 MAZDA MAZDA3
 LICENSE NO: 7DCB235

RENTAL RATE: \$35.00
 TAXES: \$1.00
 TOTAL: \$36.00

RENTAL LOCATION: LOS ANGELES, CA 90001

RENTAL OFFICE: LOS ANGELES, CA 90001

RENTAL AGENT: [REDACTED]

RENTAL CONTACT: [REDACTED]

RENTAL PHONE: [REDACTED]

RENTAL FAX: [REDACTED]

RENTAL WEBSITE: [REDACTED]

RENTAL ADDRESS: [REDACTED]

RENTAL CITY: [REDACTED]

RENTAL STATE: [REDACTED]

RENTAL ZIP: [REDACTED]

RENTAL COUNTRY: [REDACTED]

RENTAL CURRENCY: [REDACTED]

RENTAL LANGUAGE: [REDACTED]

RENTAL TIMEZONE: [REDACTED]

RENTAL COUNTRY_CODE: [REDACTED]

RENTAL CURRENCY_CODE: [REDACTED]

RENTAL LANGUAGE_CODE: [REDACTED]

RENTAL TIMEZONE_CODE: [REDACTED]

RENTAL COUNTRY_CODE_SUFFIX: [REDACTED]

RENTAL CURRENCY_CODE_SUFFIX: [REDACTED]

RENTAL LANGUAGE_CODE_SUFFIX: [REDACTED]

RENTAL TIMEZONE_CODE_SUFFIX: [REDACTED]

RENTAL COUNTRY_CODE_SUFFIX_SUFFIX: [REDACTED]

RENTAL CURRENCY_CODE_SUFFIX_SUFFIX: [REDACTED]

RENTAL LANGUAGE_CODE_SUFFIX_SUFFIX: [REDACTED]

RENTAL TIMEZONE_CODE_SUFFIX_SUFFIX: [REDACTED]

RENTAL COUNTRY_CODE_SUFFIX_SUFFIX_SUFFIX: [REDACTED]

RENTAL CURRENCY_CODE_SUFFIX_SUFFIX_SUFFIX: [REDACTED]

RENTAL LANGUAGE_CODE_SUFFIX_SUFFIX_SUFFIX: [REDACTED]

RENTAL TIMEZONE_CODE_SUFFIX_SUFFIX_SUFFIX: [REDACTED]



Vehicle rented by Alexis Netterville's mother on 1/1/15 and returned the vehicle on 1/15 at 1700 hours. CA Plate: 7DCB235



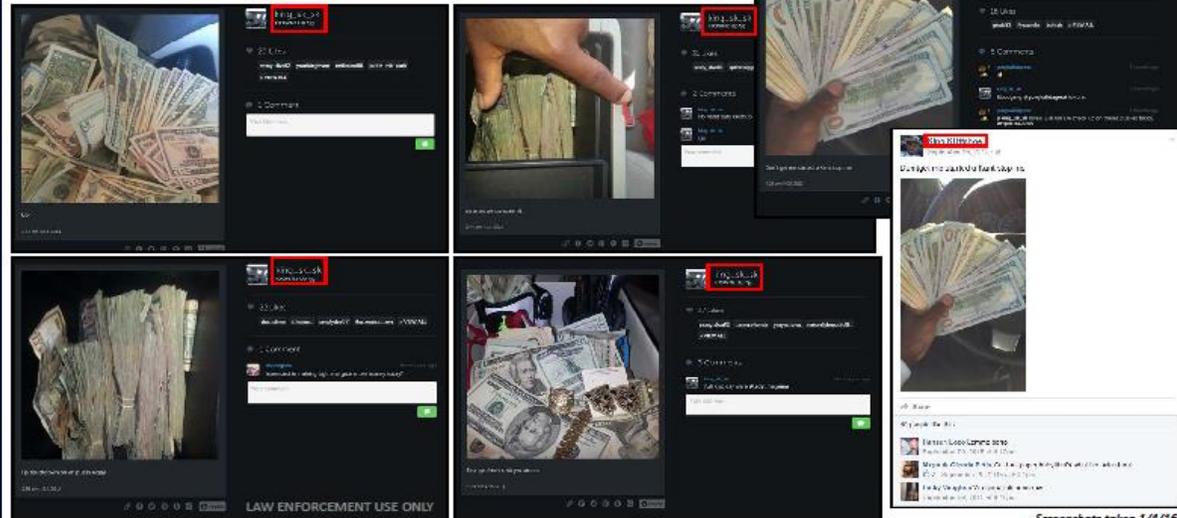
Suspects:



- Rayvon**
Rolling 30's Crips
"the chief"
Moniker: "Hub"
- Netterville**
"Lexibows"
Rolling 30's
Moniker: "Drocc"
- Ovenstreet**
Schoolyard Crips
Moniker: "Sway
GM"
- Mi**
180th East Coast
Crip
"Masecan_pk bmt"
Moniker: "PK"
- Wife**
"younga_incessant"
Rolling 30's
Moniker: "Passy"
- Moniker: "Passy"**



Rawal's social media posts with large amounts of money

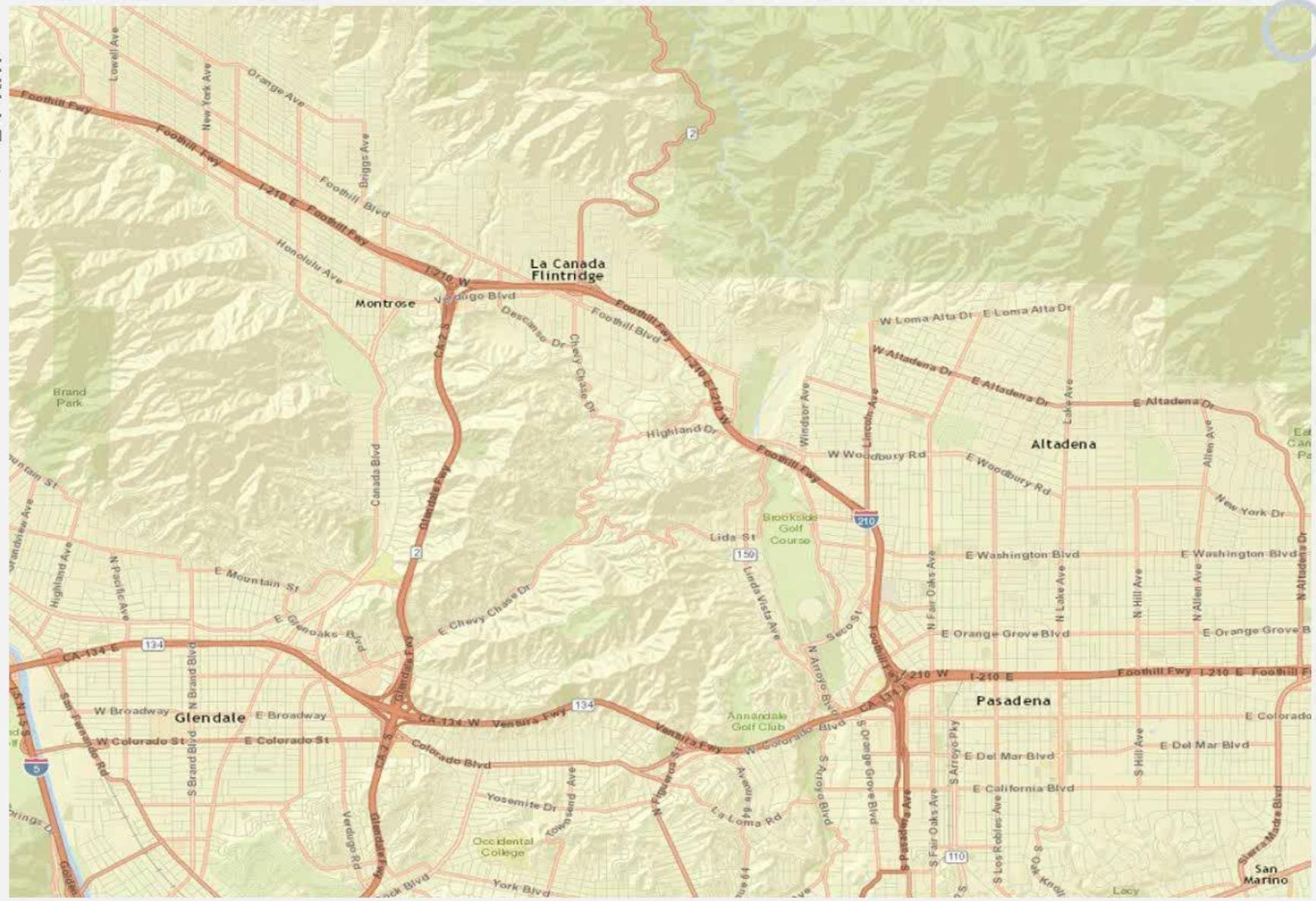


Screenshots taken 1/4/16



17 km ->

<- 14 km



No Location

Case Study

- You are given the only available case information including an old vehicle the suspect may still be driving—Vehicle Plate No. 6AUW771
- FYI—No hits in the local Automated License Plate Reader (ALPR) system

CASE DETAILS:

- The victim disclosed that her stepfather molested her several times between the ages of 4 and 13 (5 to 14 years ago). After the incidents, the suspect was thought to have fled to Mexico. The victim was afraid that the suspect would look for her, as he was physically and verbally abusive. The victim disclosed the information to her cousin, and it was not reported to law enforcement until October 2011.
- The investigating officer was unable to locate the suspect's location, and the suspect's family thought he was living in downtown Los Angeles. The suspect had no known current address and was transient.

Can you locate the suspect?

Detective was “stumped on this case . . .”

- 9/14—Analyst receives request with no rush to “crack the case”
- 9/15—Analyst got the hit on the vehicle plate in National LPR (NVLPR) system
- 9/16—Analyst locates relatives on the same street in Orange County where the suspect’s car has been captured on numerous occasions, including earlier that day
- 9/20—Detectives obtain a probable-cause arrest warrant
- 10/22—Suspect arrested (time lapse due to detective being out of office)



Suspect was in possession of narcotics for sale and had immigration charges in addition to several counts of 288PC

Suspect received 8 years for the 288PC counts and will have to register as 290

The suspect approached the victims (FH/14), impersonating himself as a police officer, and lit the victims with a blue illuminated flashlight.

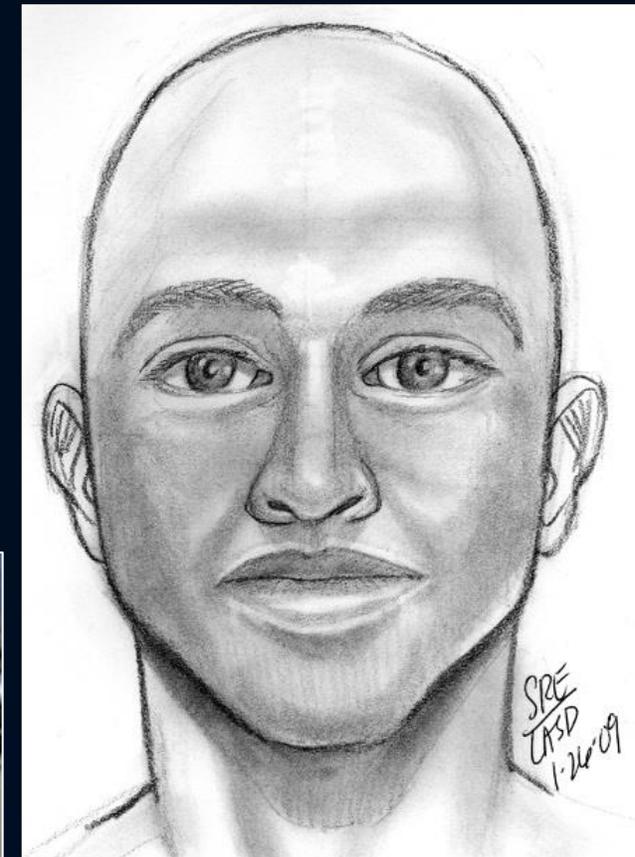
The suspect exited the vehicle and attempted to search the victims. The suspect punched V#1, causing her to fall to the ground. The suspect then grabbed V#2 and forced her into his vehicle and fled.

During the drive, the suspect handcuffed and later uncuffed V#2. The suspect drove to a beach and sexually assaulted V#2 several times before returning her to the general area where she was first contacted.

An older model Taser was recovered at the scene of the kidnapping.

Vehicle: White Chevy Blazer or Ford Bronco, 4-door, tinted rear windows, tear in the back seat
Suspect: MW/Bald/510/200/20-30

Kidnap: Rape Case Scenario



Additional Details

Victim thinks the plate included 6AR23,
unknown order



Victim is positive
the plate ended
with a ZERO

Analyst Processes

- Searching various databases for vehicle and suspect
- Law enforcement and public bulletin
- Six PAKS of possible suspects (sex registrants)
- Press release by unit, neighborhood canvas by detectives, tip line

Critical Thinking

I am NOT focusing on the vehicle!

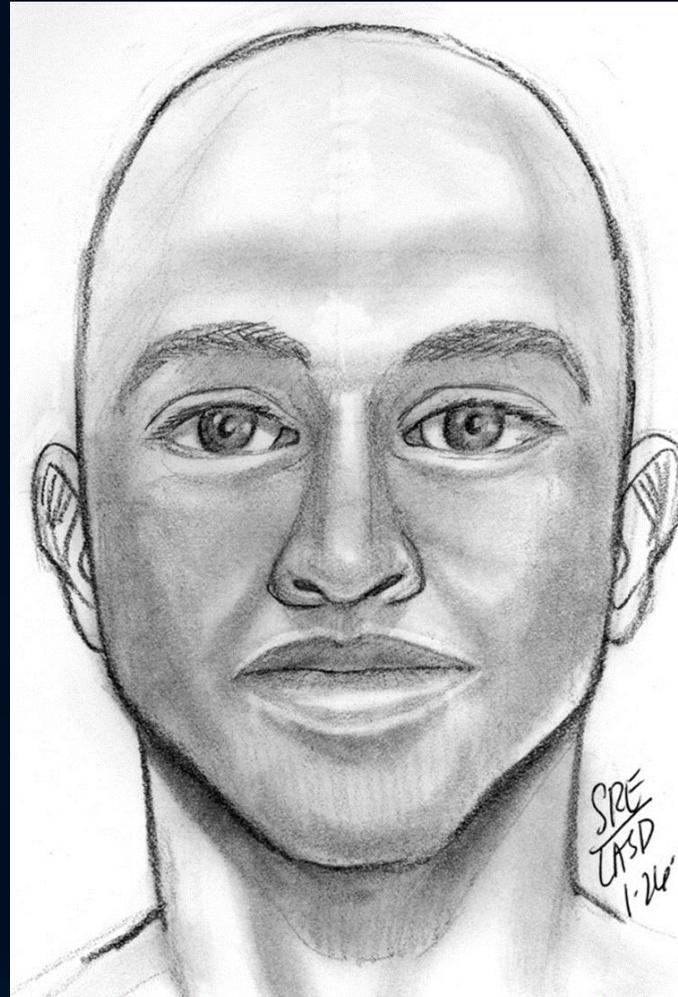
Taking a new direction . . .

RMS search: Reporting district/All crimes/Last three months

Suspicious circumstances case from December 2008, no crime, no injuries

Subject lived about eight blocks away from the incident location. What did he look like?

Gamond, Burglary BKG, 1997



What does he look like today?

2008 Driver's License Photo



Is he the registered owner of a Bronco or Blazer?

**1999
Dodge Durango**

White – NICB Search

Beige interior

Tears in seat

Plate on bumper

Actual LIC: **6AOR738**

VIC Recall: **6AR230**



Homicide Detective Note to Crime Analyst

Annie, you had a 187 in the riverbed —

Suspect name is Bob —

Find him —



Real Time

BRINGING CALM TO CHAOS

A POLICE FOUNDATION REVIEW OF THE SAN BERNARDINO TERRORIST ATTACKS

San Bernardino Ave
City of Redlands

San Bernardino

COPS ★

COMMUNITY ORIENTED POLICING SERVICES
U.S. DEPARTMENT OF JUSTICE



POLICE
FOUNDATION

A LEAD SURFACES

Rookie San Bernardino PD officer at the crime scene gets info about a possible suspect – Rizwan Farook.

A rookie SBPD officer was interviewing a county employee who noticed that one of his colleagues had arrived and left the training early. A half hour later, when the shooting started, there was just something about the shooter, from his body language to his body composition, that seemed familiar. The employee advised that his name was Rizwan Farook. The rookie officer passed this information on to his father, who was a

Info is pushed to San Bernardino PD & Sheriff's Dept. Crime Analysts who find a handful of persons in neighboring communities, including Redlands, and officers were dispatched to all of the known addresses.

a SBPD crime analyst investigated the vehicle lead and Farook's name with her local car rental contacts. A critical match was made. The analyst successfully determined Farook's cell phone carrier and pinged

Additional witnesses recounted a black SUV leaving the crime scene (released to the public).

Just as officers arrived at the suspects' home in Redlands, they spotted the SUV leaving and began trailing the suspects in unmarked vehicles.

"SBPD Crime Analyst investigated the vehicle lead and Farook's name with her local car rental contacts. A critical match was made. The analyst successfully determined Farook's cell phone carrier and pinged it to a location in Redlands."



Farook and Malik

Photo: U.S. Customs and Border Protection via AP



Case Exercise

Officers have responded to a spousal assault call. Upon arrival, they hear shots fired from inside the residence and observe the possible suspect flee in a blue truck at a high rate of speed.

You are tasked with providing information to assist in the possible apprehension of the shooter.

The suspect's name is already known, because of the initial call for service. Consider these steps.

- Immediate
 - Vehicle (DMV, RMS, CAD)
 - Relatives (RMS, CAD, DMV, Public Record Databases)
 - Associates (RMS, CAD, DMV, Arrests)
 - Cell Phone (RMS, CAD, Arrests, Public Record Databases, Google)

Vehicle Information

DMV

- Registration
- Driver's license (look for previous cites or accident information)

ALPR Database

- After obtaining the plate, run the license number to find real-time hits

NICB/ISO ClaimSearch

- Look for insurance claim information. Data may include addresses and associates

Relative Information

Obtained from

- Local RMS
 - Reports associated to suspect; may have been together with relatives as victims, witnesses, suspects, or involved parties in a traffic collision
- Previous Arrest Data
 - Look for emergency contact information and consider visitation logs
- Public Records Databases
 - Search associated addresses as well as suspect name
- Social Media
 - Photos, additional relatives and associates

Associate Information

Obtained from

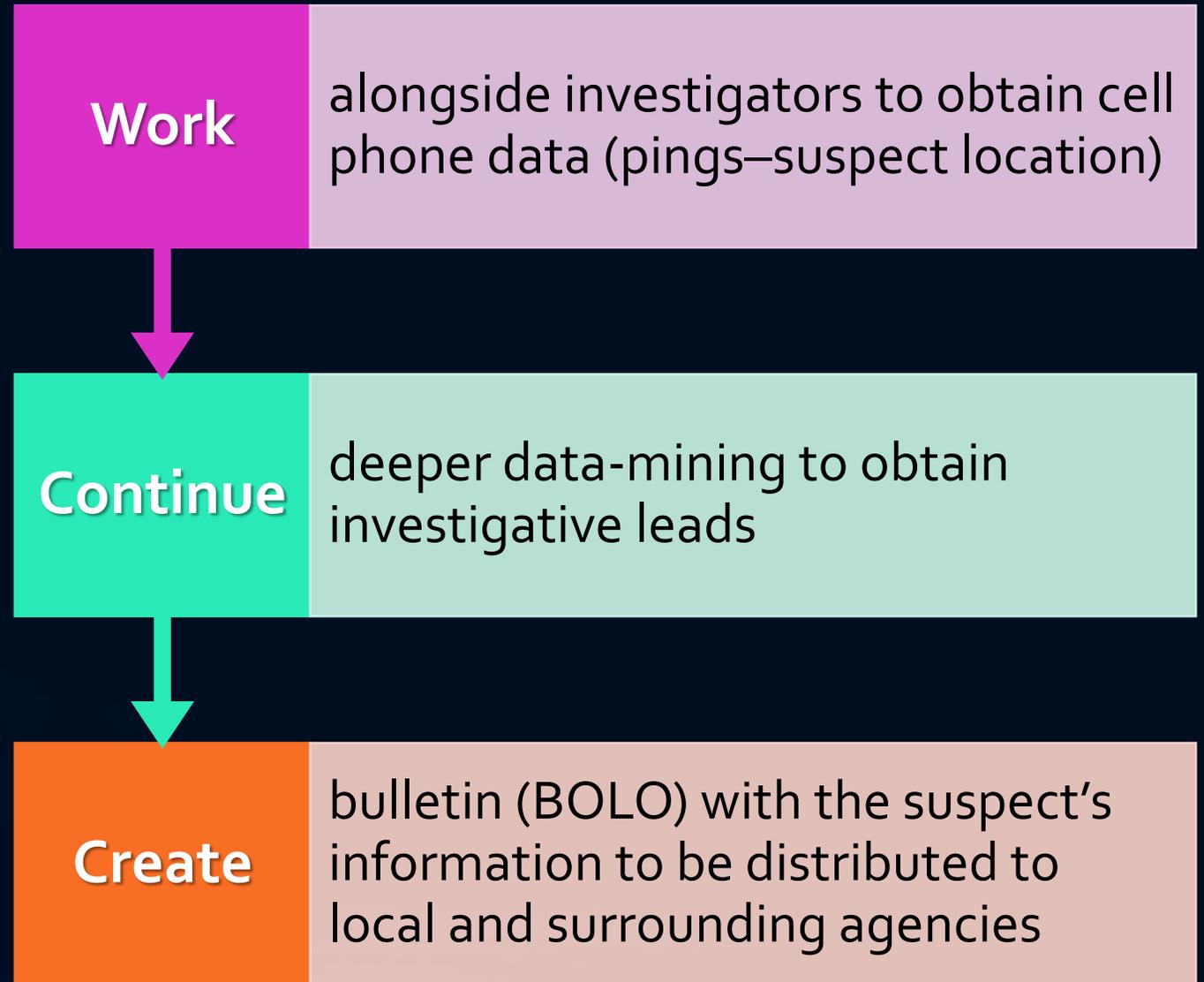
- RMS and CAD
- Booking information—includes emergency contact
- Jail visitation logs
- Public records databases; may have shared same address at one time
- DMV/driver's license information; suspect citations and accidents—run registered owner information—establishes possible relative, girlfriend, or associate
- Photos from social media

Victim Information

Utilizing the same systems and methodology, identify the victim's relatives, associates, and vehicle (suspect may be using)

The suspect may have a vendetta and want to harm persons associated with the victim

Unable to Immediately Locate?





Questions?

Contact Us



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Thank You!



Strategic Solutions • Focused Action • Reduced Violence